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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 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
Net Generation (Thousand Megawatthours)														
Coal	Utility Scale Facilities	82,051	86,873	-5.6%	61,125	64,900	20,233	21,279	30	32	662	662	0	0
Petroleum Liquids	Utility Scale Facilities	792	905	-12.5%	624	658	119	203	8	8	40	35	0	0
Petroleum Coke	Utility Scale Facilities	718	687	4.5%	575	540	95	92	1	1	46	55	0	0
Natural Gas	Utility Scale Facilities	96,317	81,040	18.9%	46,364	39,303	42,294	34,219	588	566	7,071	6,952	0	0
Other Gas	Utility Scale Facilities	1,092	1,191	-8.3%	18	19	313	317	0	0	762	855	0	0
Nuclear	Utility Scale Facilities	64,790	63,560	1.9%	33,941	33,911	30,849	29,650	0	0	0	0	0	0
Hydroelectric Conventional	Utility Scale Facilities	25,593	24,542	4.3%	23,653	22,668	1,804	1,741	NM	NM	114	112	0	0
Renewable Sources Excluding Hydroelectric	Utility Scale Facilities	34,422	31,018	11.0%	4,158	3,943	27,696	24,502	236	229	2,332	2,344	0	0
... Wind	Utility Scale Facilities	23,936	22,228	7.7%	3,323	3,325	20,591	18,886	13	11	8	NM	0	0
... Solar Thermal and Photovoltaic	Utility Scale Facilities	4,037	2,497	61.7%	354	172	3,639	2,297	39	26	5	NM	0	0
... Wood and Wood-Derived Fuels	Utility Scale Facilities	3,461	3,405	1.6%	282	255	933	888	6	7	2,240	2,254	0	0
... Other Biomass	Utility Scale Facilities	1,686	1,647	2.4%	113	110	1,315	1,270	178	185	79	82	0	0
... Geothermal	Utility Scale Facilities	1,303	1,241	4.9%	85	82	1,217	1,160	0	0	0	0	0	0
Hydroelectric Pumped Storage	Utility Scale Facilities	-315	-508	-38.0%	-226	-418	-89	-90	0	0	0	0	0	0
Other Energy Sources	Utility Scale Facilities	999	990	0.9%	35	31	550	513	73	78	340	367	0	0
All Energy Sources	Utility Scale Facilities	306,458	290,297	5.6%	170,268	165,556	123,864	112,426	959	934	11,368	11,381	0	0
Estimated Small Scale Solar Photovoltaic	Small Scale Facilities	1,774	1,383	28.3%	0	0	0	0	594	454	172	147	1,008	783
Estimated Total Solar Photovoltaic	All Facilities	5,621	3,744	50.1%	352	172	3,451	2,162	632	480	178	NM	1,008	783
Estimated Total Solar	All Facilities	5,812	3,880	49.8%	354	172	3,639	2,297	632	480	178	NM	1,008	783
Consumption of Fossil Fuels for Electricity Generation														
Coal (1000 tons)	Utility Scale Facilities	45,738	47,878	-4.5%	33,993	35,521	11,488	12,112	8	10	249	235	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	1,377	1,569	-12.2%	1,100	1,157	218	362	15	13	44	38	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	272	263	3.6%	234	217	29	32	0	0	9	13	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	683,640	573,451	19.2%	340,742	283,558	297,957	245,447	3,553	3,445	41,388	41,001	0	0
Consumption of Fossil Fuels for Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	1,270	1,228	3.5%	212	208	131	124	45	44	883	852	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	148	136	9.1%	5	8	11	19	29	28	103	81	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	61	63	-1.8%	1	0	8	10	2	1	51	51	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	95,990	91,904	4.4%	3,327	3,190	28,006	26,545	6,727	6,508	57,930	55,660	0	0
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	47,008	49,106	-4.3%	34,205	35,729	11,618	12,235	53	54	1,132	1,087	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	1,525	1,705	-10.5%	1,104	1,164	229	381	44	41	148	119	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	334	325	2.5%	235	218	37	42	2	1	60	65	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	779,630	665,355	17.2%	344,070	286,748	325,963	271,992	10,280	9,953	99,318	96,662	0	0
Fuel Stocks (end-of-month)														
Coal (1000 tons)	Utility Scale Facilities	121,606	161,338	-24.6%	101,757	128,010	19,109	32,438	83	147	658	744	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	28,676	33,056	-13.2%	18,782	20,442	8,330	10,652	369	472	1,195	1,490	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	1,181	1,007	17.2%	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 2018	February 2017	Percentage Change	February 2018	February 2017	Percentage Change	February 2018	February 2017	Percentage Change
Residential	113,334	101,349	11.8%	14,303	12,952	10.4%	12.62	12.78	-1.3%
Commercial	101,791	99,607	2.2%	10,793	10,439	3.4%	10.60	10.48	1.1%
Industrial	71,996	71,958	0.1%	4,863	4,763	2.1%	6.75	6.62	2.0%
Transportation	638	636	0.3%	62	60	3.1%	9.74	9.47	2.9%
All Sectors	287,759	273,550	5.2%	30,021	28,215	6.4%	10.43	10.31	1.2%

Due to incorrect reporting by sector, the sector allocations for small scale solar have been estimated for February 2018.
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 2018 and 2017

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 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
Net Generation (Thousand Megawatthours)														
Coal	Utility Scale Facilities	200,746	202,374	-0.8%	149,507	151,010	49,749	49,872	72	73	1,418	1,419	0	0
Petroleum Liquids	Utility Scale Facilities	6,012	2,061	191.7%	2,987	1,497	2,872	467	NM	21	107	76	0	0
Petroleum Coke	Utility Scale Facilities	1,633	1,605	1.8%	1,345	1,282	187	208	2	2	99	112	0	0
Natural Gas	Utility Scale Facilities	205,918	172,487	19.4%	100,565	83,324	89,087	73,112	1,228	1,213	15,039	14,838	0	0
Other Gas	Utility Scale Facilities	2,152	2,311	-6.9%	44	33	616	654	0	0	1,492	1,624	0	0
Nuclear	Utility Scale Facilities	139,439	136,681	2.0%	73,307	72,336	66,132	64,345	0	0	0	0	0	0
Hydroelectric Conventional	Utility Scale Facilities	51,015	52,395	-2.6%	47,274	48,368	3,469	3,748	45	44	227	235	0	0
Renewable Sources Excluding Hydroelectric	Utility Scale Facilities	71,505	60,770	17.7%	8,815	7,400	57,316	48,083	486	475	4,887	4,812	0	0
... Wind	Utility Scale Facilities	50,769	42,977	18.1%	7,190	6,130	43,536	36,813	27	23	17	NM	0	0
... Solar Thermal and Photovoltaic	Utility Scale Facilities	7,299	4,649	57.0%	612	319	6,611	4,278	68	48	9	NM	0	0
... Wood and Wood-Derived Fuels	Utility Scale Facilities	7,307	6,994	4.5%	615	546	1,979	1,807	15	15	4,698	4,626	0	0
... Other Biomass	Utility Scale Facilities	3,452	3,510	-1.6%	237	229	2,676	2,720	377	388	163	172	0	0
... Geothermal	Utility Scale Facilities	2,676	2,641	1.3%	163	176	2,513	2,465	0	0	0	0	0	0
Hydroelectric Pumped Storage	Utility Scale Facilities	-862	-943	-8.6%	-701	-763	-162	-180	0	0	0	0	0	0
Other Energy Sources	Utility Scale Facilities	2,114	2,075	1.9%	72	68	1,132	1,093	159	163	751	750	0	0
All Energy Sources	Utility Scale Facilities	679,672	631,815	7.6%	383,215	364,555	270,400	241,403	2,037	1,991	24,020	23,865	0	0
Estimated Small Scale Solar Photovoltaic	Small Scale Facilities	3,429	2,627	30.5%	0	0	0	0	1,133	867	337	280	1,959	1,480
Estimated Total Solar Photovoltaic	All Facilities	10,410	7,050	47.7%	608	319	6,296	4,052	1,201	916	346	283	1,959	1,480
Estimated Total Solar	All Facilities	10,729	7,275	47.5%	612	319	6,611	4,278	1,201	916	346	283	1,959	1,480
Consumption of Fossil Fuels for Electricity Generation														
Coal (1000 tons)	Utility Scale Facilities	110,294	111,272	-0.9%	81,755	82,285	27,998	28,466	20	21	521	500	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	10,354	3,547	191.9%	5,420	2,616	4,749	815	73	33	112	84	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	616	618	-0.3%	530	518	65	72	1	1	20	26	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	1,495,311	1,237,159	20.9%	761,510	613,248	638,261	528,690	7,363	7,302	88,177	87,919	0	0
Consumption of Fossil Fuels for Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	2,703	2,738	-1.3%	446	498	275	263	102	99	1,880	1,877	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	792	342	131.4%	54	20	131	58	168	67	439	198	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	130	136	-4.4%	2	1	17	19	3	3	107	113	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	202,998	193,667	4.8%	6,954	6,958	58,203	57,205	14,286	14,161	123,556	115,343	0	0
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	112,997	114,010	-0.9%	82,201	82,783	28,272	28,729	122	120	2,402	2,378	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	11,147	3,889	186.6%	5,474	2,635	4,881	872	241	100	551	281	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	746	754	-1.0%	532	519	82	92	4	4	127	139	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	1,698,310	1,430,826	18.7%	768,464	620,206	696,464	585,895	21,649	21,463	211,733	203,262	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 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	Percentage Change
Residential	262,319	230,602	13.8%	32,520	28,735	13.2%	12.40	12.46	-0.5%
Commercial	216,322	209,020	3.5%	22,788	21,629	5.4%	10.53	10.35	1.7%
Industrial	147,944	147,773	0.1%	10,153	9,752	4.1%	6.86	6.60	3.9%
Transportation	1,386	1,303	6.4%	133	123	8.3%	9.59	9.42	1.8%
All Sectors	627,971	588,698	6.7%	65,594	60,238	8.9%	10.45	10.23	2.2%

Due to incorrect reporting by sector, the sector allocations for small scale solar have been estimated for February 2018.
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).

Table ES2.A. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, Physical Units, 2018 and 2017

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 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
Coal (1000 tons)	44,662	52,098	39.43	39.58	257	268	94,937	109,561	39.29	39.85
Petroleum Liquids (1000 barrels)	1,797	1,015	76.83	70.06	142	122	6,745	2,561	80.92	71.06
Petroleum Coke (1000 tons)	277	271	68.09	56.03	6	6	525	522	67.77	58.01
Natural Gas (1000 Mcf)	667,090	514,989	3.72	3.70	529	469	1,420,252	1,100,540	4.51	4.00

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
Coal (1000 tons)	33,348	38,088	40.24	40.63	174	182	69,640	79,242	39.93	40.96
Petroleum Liquids (1000 barrels)	1,303	754	76.46	69.80	91	81	3,399	1,823	80.76	68.38
Petroleum Coke (1000 tons)	277	271	68.09	56.03	6	6	525	522	67.77	58.01
Natural Gas (1000 Mcf)	312,845	242,633	3.96	3.96	276	247	683,795	521,153	4.69	4.25

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 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
Coal (1000 tons)	10,651	13,304	36.09	35.74	66	68	23,894	28,911	36.69	36.07
Petroleum Liquids (1000 barrels)	465	241	78.46	W	41	31	3,251	698	81.25	78.09
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	--	--
Natural Gas (1000 Mcf)	295,788	220,081	3.45	3.44	206	177	610,958	470,976	4.48	3.79

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
Coal (1000 tons)	1	4	W	W	1	1	6	9	W	W
Petroleum Liquids (1000 barrels)	0	0	--	--	0	0	0	0	--	--
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	--	--
Natural Gas (1000 Mcf)	688	624	W	W	3	3	1,506	1,263	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 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
Coal (1000 tons)	662	702	W	W	16	17	1,397	1,400	W	W
Petroleum Liquids (1000 barrels)	30	19	71.32	W	10	10	95	40	76.80	72.26
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	--	--
Natural Gas (1000 Mcf)	57,769	51,652	W	W	44	42	123,994	107,149	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, 2018 and 2017

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 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
Coal	850,365	997,916	2.07	2.07	257	268	1,802,138	2,097,864	2.07	2.08
Petroleum Liquids	10,931	6,122	12.60	11.61	142	122	40,629	15,426	13.38	11.79
Petroleum Coke	7,769	7,593	2.43	2.00	6	6	14,778	14,652	2.41	2.07
Natural Gas	688,537	532,100	3.61	3.58	529	469	1,466,577	1,138,052	4.37	3.87
Fossil Fuels	1,557,602	1,543,731	2.79	2.60	689	632	3,324,123	3,265,994	3.17	2.71

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
Coal	638,278	732,712	2.10	2.11	174	182	1,328,505	1,524,607	2.09	2.13
Petroleum Liquids	8,008	4,563	12.43	11.53	91	81	20,578	11,061	13.33	11.27
Petroleum Coke	7,769	7,593	2.43	2.00	6	6	14,778	14,652	2.41	2.07
Natural Gas	322,741	250,635	3.84	3.83	276	247	705,851	538,897	4.55	4.11
Fossil Fuels	976,797	995,503	2.76	2.58	385	359	2,069,712	2,089,216	3.04	2.68

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 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
Coal	198,229	250,099	1.94	1.90	66	68	444,402	543,169	1.97	1.92
Petroleum Liquids	2,735	1,438	13.30	W	41	31	19,456	4,117	13.48	13.23
Petroleum Coke	0	0	--	--	0	0	0	0	--	--
Natural Gas	305,540	227,496	3.34	3.33	206	177	631,309	487,132	4.34	3.67
Fossil Fuels	506,504	479,034	2.77	W	255	226	1,095,168	1,034,419	3.41	2.70

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
Coal	31	91	W	W	1	1	125	202	W	W
Petroleum Liquids	0	0	--	--	0	0	0	0	--	--
Petroleum Coke	0	0	--	--	0	0	0	0	--	--
Natural Gas	709	646	W	W	3	3	1,553	1,308	W	W
Fossil Fuels	740	737	W	W	3	3	1,678	1,510	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 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
Coal	13,828	15,014	W	W	16	17	29,106	29,886	W	W
Petroleum Liquids	187	121	11.38	W	10	10	595	249	12.25	11.60
Petroleum Coke	0	0	--	--	0	0	0	0	--	--
Natural Gas	59,546	53,322	W	W	44	42	127,864	110,714	W	W
Fossil Fuels	73,561	68,457	W	W	46	44	157,565	140,849	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), 2008-February 2018
(Thousand Megawatthours)

	Generation at Utility Scale Facilities												Small Scale Generation	Net Generation From Utility and Small 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 Generation at Utility Scale Facilities	Estimated Solar Photovoltaic	Estimated Total Solar Photovoltaic	Estimated Total Solar
Annual Totals															
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	11,233	26,482	28,924
2015	1,352,398	17,372	10,877	1,333,482	13,117	797,178	249,080	24,893	270,268	-5,091	14,028	4,077,601	14,139	35,805	39,032
2016	1,239,149	13,008	11,197	1,378,307	12,807	805,694	267,812	36,054	305,579	-6,686	13,754	4,076,675	18,812	51,483	54,866
2017	1,207,901	12,583	8,508	1,272,864	14,159	804,950	300,045	52,958	334,287	-6,495	13,045	4,014,804	24,139	73,828	77,097
Year 2016															
January	113,459	1,396	966	110,044	1,195	72,525	25,615	1,486	25,193	-312	1,153	352,719	980	2,380	2,465
February	92,705	1,299	910	98,552	1,062	65,638	24,139	2,242	26,496	-399	1,041	313,685	1,145	3,145	3,386
March	72,173	874	927	103,890	1,197	66,149	27,390	2,617	28,467	-384	1,090	304,390	1,525	3,885	4,143
April	72,113	833	1,006	98,876	1,132	62,732	25,878	2,880	26,787	-452	1,109	292,894	1,703	4,309	4,583
May	81,695	984	974	110,430	1,053	66,576	25,486	3,425	25,286	-321	1,195	316,784	1,879	4,916	5,304
June	116,034	972	1,005	131,395	1,043	67,175	23,237	3,473	22,763	-497	1,180	367,781	1,928	4,990	5,401
July	136,316	1,273	1,049	151,554	1,077	70,349	21,455	3,945	24,428	-784	1,225	411,887	2,000	5,474	5,945
August	135,635	1,258	1,078	154,760	1,064	71,526	19,570	3,969	20,496	-902	1,248	409,701	1,942	5,543	5,911
Sept	114,138	946	980	125,603	1,020	65,448	16,368	3,635	22,894	-715	1,168	351,484	1,735	5,007	5,370
October	99,194	937	635	102,898	913	60,733	17,339	3,191	26,558	-561	1,108	312,945	1,552	4,495	4,743
November	86,940	1,070	799	93,942	1,013	65,179	18,808	2,767	26,052	-607	1,098	297,062	1,257	3,840	4,024
December	118,747	1,166	869	96,364	1,037	71,662	22,528	2,424	30,159	-753	1,139	345,343	1,167	3,500	3,591
Year 2017															
January	115,501	1,156	917	91,447	1,120	73,121	27,853	2,152	27,600	-435	1,085	341,518	1,244	3,306	3,396
February	86,873	905	687	81,040	1,191	63,560	24,542	2,497	28,521	-508	990	290,297	1,383	3,744	3,880
March	89,427	979	707	94,708	1,257	65,093	30,221	4,433	32,934	-521	1,052	320,291	1,987	6,123	6,419
April	81,533	884	404	86,178	1,157	56,743	29,320	4,774	32,154	-439	1,044	293,752	2,211	6,674	6,985
May	92,881	1,002	772	96,777	1,182	61,313	32,177	5,766	29,118	-423	1,081	321,645	2,440	7,805	8,207
June	107,728	1,006	873	116,061	1,211	67,011	30,424	6,252	26,296	-568	1,096	357,390	2,503	8,290	8,755
July	127,959	940	807	144,720	1,261	71,314	25,745	5,505	22,814	-759	1,205	401,510	2,578	7,771	8,083
August	119,780	997	727	139,610	1,321	72,384	21,241	5,401	20,101	-638	1,217	382,140	2,501	7,562	7,903
Sept	98,404	987	678	116,728	1,120	68,098	18,965	5,168	23,647	-606	1,030	334,219	2,240	7,059	7,408
October	90,087	999	535	106,867	1,014	65,995	17,211	4,830	31,344	-463	1,025	319,443	2,002	6,518	6,832
November	91,151	922	693	92,585	1,198	66,618	19,840	3,120	29,935	-478	1,075	306,660	1,574	4,563	4,694
December	106,578	1,805	708	106,144	1,127	73,700	22,507	3,059	29,822	-656	1,145	345,939	1,476	4,413	4,536
Year 2018															
January	118,696	5,220	915	109,601	1,060	74,649	25,422	3,262	33,821	-547	1,115	373,213	1,655	4,789	4,917
February	82,051	792	718	96,317	1,092	64,790	25,593	4,037	30,385	-315	999	306,458	1,774	5,621	5,812
Year to Date															
2016	206,164	2,695	1,876	208,596	2,256	138,163	49,754	3,727	51,690	-710	2,194	666,404	2,124	5,525	5,852
2017	202,374	2,061	1,605	172,487	2,311	136,681	52,395	4,649	56,121	-943	2,075	631,815	2,627	7,050	7,275
2018	200,746	6,012	1,633	205,918	2,152	139,439	51,015	7,299	64,205	-862	2,114	679,672	3,429	10,410	10,729
Rolling 12 Months Ending in February															
2017	1,235,359	12,374	10,925	1,342,198	12,862	804,212	270,453	36,975	310,011	-6,919	13,635	4,042,086	19,315	53,008	56,290
2018	1,206,274	16,534	8,536	1,306,296	14,000	807,708	298,665	55,609	342,370	-6,414	13,083	4,062,661	24,942	77,187	80,550

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.
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 2016 and prior years are final. Values for 2017 and 2018 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 small scale solar photovoltaic generation and small scale solar photovoltaic capacity are based on data from Form EIA-861M, Form EIA-861 and from estimation methods described in the technical notes.

Table 1.1.A. Net Generation from Renewable Sources: Total (All Sectors), 2008-February 2018
(Thousand Megawatthours)

	Generation at Utility Scale Facilities										Small Scale Generation	Generation From Utility and Small Scale Facilities	
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 Solar Photovoltaic	Estimated Total Solar Photovoltaic	Estimated Total Solar
Annual Totals													
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	11,233	26,482	28,924
2015	190,719	21,666	3,227	41,929	11,291	7,211	3,201	15,918	249,080	544,241	14,139	35,805	39,032
2016	226,993	32,670	3,384	40,947	11,218	7,265	3,331	15,826	267,812	609,445	18,812	51,483	54,866
2017	254,254	49,688	3,269	43,284	10,876	6,964	2,933	15,976	300,045	687,289	24,139	73,828	77,097
Year 2016													
January	18,466	1,400	86	3,600	915	603	277	1,332	25,615	52,294	980	2,380	2,465
February	20,138	2,000	241	3,406	886	537	285	1,243	24,139	52,877	1,145	3,145	3,386
March	21,939	2,360	257	3,403	949	579	281	1,315	27,390	58,474	1,525	3,885	4,143
April	20,799	2,606	273	2,967	932	593	287	1,209	25,878	55,544	1,703	4,309	4,583
May	18,848	3,037	388	3,187	980	649	280	1,342	25,486	54,197	1,879	4,916	5,304
June	16,303	3,062	412	3,414	934	614	247	1,251	23,237	49,473	1,928	4,990	5,401
July	17,618	3,473	471	3,658	943	635	262	1,311	21,455	49,828	2,000	5,474	5,945
August	13,589	3,602	368	3,722	942	634	285	1,324	19,570	44,035	1,942	5,543	5,911
Sept	16,404	3,272	363	3,407	895	589	272	1,327	16,368	42,897	1,735	5,007	5,370
October	20,335	2,942	249	3,176	839	589	265	1,353	17,339	47,088	1,552	4,495	4,743
November	19,406	2,583	184	3,391	993	602	296	1,364	18,808	47,627	1,257	3,840	4,024
December	23,146	2,333	91	3,615	1,011	640	293	1,454	22,528	55,111	1,167	3,500	3,591
Year 2017													
January	20,749	2,062	90	3,589	972	619	272	1,399	27,853	57,605	1,244	3,306	3,396
February	22,228	2,361	136	3,405	866	529	252	1,241	24,542	55,559	1,383	3,744	3,880
March	26,133	4,136	297	3,662	927	558	275	1,380	30,221	67,588	1,987	6,123	6,419
April	25,753	4,464	310	3,373	881	546	244	1,357	29,320	66,248	2,211	6,674	6,985
May	22,642	5,364	402	3,438	907	604	232	1,295	32,177	67,061	2,440	7,805	8,207
June	19,711	5,788	465	3,625	883	589	224	1,265	30,424	62,972	2,503	8,290	8,755
July	15,765	5,193	311	3,922	916	604	240	1,368	25,745	54,064	2,578	7,771	8,083
August	13,089	5,060	341	3,880	925	617	233	1,357	21,241	46,743	2,501	7,562	7,903
Sept	17,268	4,818	349	3,404	878	558	214	1,325	18,965	47,779	2,240	7,059	7,408
October	24,821	4,516	314	3,569	885	559	248	1,261	17,211	53,385	2,002	6,518	6,832
November	23,320	2,989	131	3,560	904	572	245	1,334	19,840	52,896	1,574	4,563	4,694
December	22,776	2,937	123	3,859	932	608	255	1,393	22,507	55,388	1,476	4,413	4,536
Year 2018													
January	26,834	3,134	128	3,847	925	590	252	1,373	25,422	62,505	1,655	4,789	4,917
February	23,936	3,846	191	3,461	883	561	241	1,303	25,593	60,015	1,774	5,621	5,812
Year to Date													
2016	38,605	3,400	327	7,007	1,801	1,141	562	2,575	49,754	105,170	2,124	5,525	5,852
2017	42,977	4,423	226	6,994	1,838	1,148	524	2,641	52,395	113,165	2,627	7,050	7,275
2018	50,769	6,980	319	7,307	1,809	1,151	493	2,676	51,015	122,520	3,429	10,410	10,729
Rolling 12 Months Ending in February													
2017	231,365	33,693	3,282	40,934	11,255	7,272	3,293	15,891	270,453	617,440	19,315	53,008	56,290
2018	262,047	52,246	3,363	43,597	10,847	6,966	2,902	16,011	298,665	696,644	24,942	77,187	80,550

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 2016 and prior years are final. Values for 2017 and 2018 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 small scale solar photovoltaic generation and small scale solar photovoltaic capacity are based on data from Form EIA-861M, Form EIA-861 and from estimation methods described in the technical notes.

Table 1.2.A. Net Generation by Energy Source: Electric Utilities, 2008-February 2018
(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												
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	998,385	10,386	8,278	617,817	199	416,680	229,640	1,494	35,992	-4,105	558	2,315,323
2016	922,399	9,069	8,881	654,780	154	424,400	247,787	1,995	40,666	-5,629	421	2,304,923
2017	895,095	8,805	6,711	617,725	164	424,485	276,804	3,512	42,618	-5,448	473	2,270,945
Year 2016												
January	84,012	965	832	52,818	3	37,974	23,579	95	3,303	-230	34	203,384
February	69,852	830	734	48,009	4	34,281	22,015	135	3,624	-332	30	179,182
March	56,982	623	724	49,949	5	34,445	25,125	151	3,696	-291	42	171,452
April	53,542	602	858	46,425	7	34,036	23,742	169	3,887	-367	34	162,936
May	62,093	695	763	52,908	10	36,531	23,508	187	3,098	-257	33	179,569
June	86,611	710	793	63,858	16	37,000	21,716	188	3,034	-409	40	213,557
July	100,856	926	833	71,913	21	37,919	20,030	197	2,837	-678	34	234,890
August	100,156	905	856	72,293	13	37,927	18,241	207	2,432	-787	33	232,277
Sept	83,223	644	807	58,392	23	33,919	15,283	190	3,215	-626	35	195,105
October	72,950	658	418	47,710	7	30,016	16,149	182	3,479	-471	36	171,134
November	64,830	700	596	44,171	22	33,082	17,599	154	3,635	-522	35	164,301
December	87,293	811	667	46,333	22	37,268	20,799	139	4,425	-657	36	197,136
Year 2017												
January	86,110	838	743	44,020	14	38,425	25,700	148	3,310	-346	37	198,999
February	64,900	658	540	39,303	19	33,911	22,668	172	3,771	-418	31	165,556
March	66,119	779	535	45,959	17	34,693	28,009	281	4,428	-455	35	180,401
April	59,111	665	260	41,953	19	30,217	27,067	303	4,186	-368	38	163,451
May	69,189	730	654	47,955	6	31,728	29,772	368	3,690	-350	35	183,780
June	81,393	719	698	56,424	12	35,022	28,303	382	3,400	-474	38	205,918
July	96,931	671	673	70,858	21	37,874	23,736	358	2,627	-646	43	233,146
August	90,678	722	540	68,465	NM	38,667	19,464	352	2,252	-531	46	220,659
Sept	71,951	705	523	56,671	NM	35,496	17,450	338	2,848	-522	42	185,504
October	66,669	752	405	51,469	10	35,038	15,750	320	4,224	-388	41	174,289
November	65,099	654	583	44,546	17	34,541	18,048	241	3,978	-394	42	167,355
December	76,945	911	556	50,102	25	38,871	20,836	251	3,904	-557	43	191,887
Year 2018												
January	88,381	2,364	770	54,200	26	39,366	23,621	257	4,401	-475	37	212,947
February	61,125	624	575	46,364	18	33,941	23,653	354	3,803	-226	35	170,268
Year to Date												
2016	153,863	1,795	1,566	100,827	7	72,255	45,594	231	6,927	-562	64	382,566
2017	151,010	1,497	1,282	83,324	33	72,336	48,368	319	7,081	-763	68	364,555
2018	149,507	2,987	1,345	100,565	44	73,307	47,274	612	8,204	-701	72	383,215
Rolling 12 Months Ending in February												
2017	919,546	8,770	8,598	637,277	180	424,480	250,561	2,084	40,820	-5,830	426	2,286,912
2018	893,591	10,296	6,773	634,966	NM	425,456	275,710	3,804	43,741	-5,385	477	2,289,605

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.
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 2016 and prior years are final. Values for 2017 and 2018 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, 2008-February 2018
(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												
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	342,608	6,240	1,601	619,839	3,517	380,498	17,996	22,962	202,858	-987	6,838	1,603,971
2016	307,263	3,360	1,401	624,600	3,758	381,294	18,539	33,502	233,553	-1,057	6,941	1,613,156
2017	304,398	3,235	1,013	558,439	4,013	380,465	21,585	48,814	259,889	-1,047	6,509	1,587,313
Year 2016												
January	28,612	379	42	48,969	341	34,551	1,884	1,363	19,168	-82	589	135,816
February	22,057	416	99	42,840	295	31,357	1,991	2,065	20,345	-66	540	121,939
March	14,363	210	138	45,900	355	31,704	2,100	2,420	22,164	-93	549	119,810
April	17,877	188	97	44,832	311	28,696	1,993	2,662	20,487	-84	554	117,612
May	18,842	233	124	49,574	303	30,046	1,847	3,188	19,608	-64	610	124,310
June	28,585	214	131	59,185	335	30,175	1,410	3,229	17,117	-88	595	140,888
July	34,564	291	136	70,645	324	32,430	1,306	3,690	18,856	-106	610	162,745
August	34,607	309	140	73,317	319	33,599	1,217	3,701	15,341	-115	617	163,051
Sept	30,124	258	113	58,805	323	31,529	996	3,394	17,145	-89	557	143,155
October	25,524	232	141	47,044	228	30,717	1,080	2,965	20,549	-90	549	128,939
November	21,446	325	116	41,736	330	32,097	1,122	2,576	19,760	-85	560	119,981
December	30,661	307	124	41,755	296	34,394	1,591	2,250	23,013	-96	613	134,908
Year 2017												
January	28,593	264	116	38,893	337	34,695	2,008	1,981	21,600	-90	580	128,978
February	21,279	203	92	34,219	317	29,650	1,741	2,297	22,205	-90	513	112,426
March	22,607	155	92	40,738	355	30,400	2,059	4,101	25,836	-66	517	126,794
April	21,810	179	95	36,522	281	26,526	2,103	4,418	25,402	-71	506	117,771
May	23,035	229	41	40,987	340	29,585	2,243	5,330	22,880	-73	544	125,140
June	25,605	246	100	51,504	331	31,988	1,972	5,792	20,276	-93	549	138,270
July	30,301	227	47	65,181	356	33,440	1,867	5,077	17,361	-114	571	154,316
August	28,374	232	113	62,813	366	33,717	1,652	4,982	15,031	-107	580	147,754
Sept	25,775	243	97	52,413	332	32,602	1,402	4,764	18,304	-84	508	136,355
October	22,715	203	84	47,683	306	30,957	1,346	4,451	24,554	-75	518	132,743
November	25,391	222	35	40,082	348	32,077	1,657	2,845	23,363	-84	537	126,473
December	28,912	832	100	47,404	343	34,828	1,534	2,776	23,076	-99	586	140,293
Year 2018												
January	29,517	2,753	92	46,793	304	35,283	1,665	2,972	26,648	-72	582	146,536
February	20,233	119	95	42,294	313	30,849	1,804	3,639	24,057	-89	550	123,864
Year to Date												
2016	50,670	794	141	91,809	636	65,908	3,875	3,428	39,514	-148	1,128	257,756
2017	49,872	467	208	73,112	654	64,345	3,748	4,278	43,805	-180	1,093	241,403
2018	49,749	2,872	187	89,087	616	66,132	3,469	6,611	50,704	-162	1,132	270,400
Rolling 12 Months Ending in February												
2017	306,466	3,033	1,468	605,903	3,776	379,732	18,412	34,352	237,845	-1,089	6,906	1,596,803
2018	304,275	5,640	992	574,415	3,975	382,252	21,306	51,148	266,788	-1,028	6,548	1,616,309

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.
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 2016 and prior years are final. Values for 2017 and 2018 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, 2008-February 2018
(Thousand Megawatthours)

	Generation at Utility Scale Facilities												Small Scale Generation	Net Generation From Utility and Small 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 Generation at Utility Scale Facilities	Estimated Solar Photovoltaic	Estimated Total Solar Photovoltaic	Estimated Total Solar
Annual Totals															
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	5,146	5,516	5,516
2015	509	183	8	7,471	0	0	35	416	2,803	0	1,170	12,595	5,689	6,106	6,106
2016	383	77	6	7,730	0	0	217	529	2,697	0	1,068	12,706	6,158	6,687	6,687
2017	335	106	8	7,512	0	0	243	578	2,642	0	1,095	12,518	7,700	8,277	8,277
Year 2016															
January	43	8	1	605	0	0	21	26	230	0	89	1,022	346	373	373
February	45	8	1	570	0	0	18	39	210	0	75	967	398	437	437
March	46	3	1	579	0	0	22	44	225	0	90	1,011	520	564	564
April	24	6	0	551	0	0	15	46	221	0	97	961	566	612	612
May	20	6	0	607	0	0	12	48	230	0	96	1,019	616	663	663
June	23	5	0	692	0	0	13	53	220	0	83	1,089	623	676	676
July	24	8	1	831	0	0	15	55	234	0	96	1,263	640	696	696
August	26	7	0	859	0	0	19	58	234	0	95	1,298	620	677	677
Sept	29	4	0	700	0	0	23	48	223	0	87	1,114	556	605	605
October	27	5	0	617	0	0	21	42	218	0	90	1,021	493	536	536
November	35	8	0	521	0	0	17	36	224	0	85	927	393	428	428
December	42	8	1	598	0	0	21	33	228	0	85	1,015	387	420	420
Year 2017															
January	41	14	1	648	0	0	23	22	224	0	85	1,057	414	436	436
February	32	8	1	566	0	0	NM	26	203	0	78	934	454	480	480
March	32	10	1	638	0	0	NM	48	224	0	87	1,066	630	679	679
April	19	6	0	532	0	0	NM	50	214	0	87	934	700	750	750
May	19	7	0	583	0	0	NM	65	233	0	101	1,036	774	838	838
June	23	6	0	645	0	0	NM	71	215	0	90	1,075	781	852	852
July	29	8	0	703	0	0	NM	63	226	0	100	1,150	818	881	881
August	27	9	1	698	0	0	NM	60	225	0	101	1,137	798	858	858
Sept	27	8	1	651	0	0	14	58	208	0	90	1,058	713	772	772
October	24	7	1	627	0	0	NM	53	219	0	95	1,039	633	686	686
November	27	8	1	595	0	0	NM	31	221	0	88	986	501	532	532
December	36	NM	1	626	0	0	NM	29	229	0	92	1,046	485	514	514
Year 2018															
January	42	NM	1	640	0	0	NM	29	221	0	85	1,078	540	569	569
February	30	8	1	588	0	0	NM	39	198	0	73	959	594	632	632
Year to Date															
2016	88	16	2	1,175	0	0	39	65	440	0	164	1,989	745	810	810
2017	73	21	2	1,213	0	0	44	48	426	0	163	1,991	867	916	916
2018	72	NM	2	1,228	0	0	45	68	418	0	159	2,037	1,133	1,201	1,201
Rolling 12 Months Ending in February															
2017	368	82	5	7,768	0	0	NM	512	2,683	0	1,067	12,708	6,280	6,793	6,793
2018	335	NM	9	7,526	0	0	NM	597	2,634	0	1,090	12,564	7,965	8,563	8,563

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.
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 2016 and prior years are final. Values for 2017 and 2018 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 small scale solar photovoltaic generation and small scale solar photovoltaic capacity are based on data from Form EIA-861M, Form EIA-861 and from estimation methods described in the technical notes.

Table 1.2.D. Net Generation by Energy Source: Industrial Sector, 2008-February 2018
(Thousand Megawatthours)

	Generation at Utility Scale Facilities												Small Scale Generation	Net Generation From Utility and Small 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 Generation at Utility Scale Facilities	Estimated Solar Photovoltaic	Estimated Total Solar Photovoltaic	Estimated Total Solar
Annual Totals															
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	1,139	1,156	1,156
2015	10,896	563	990	88,355	9,401	0	1,410	21	28,614	0	5,462	145,712	1,451	1,472	1,472
2016	9,103	503	909	91,197	8,895	0	1,269	27	28,663	0	5,324	145,890	2,060	2,087	2,087
2017	8,074	437	776	89,188	9,982	0	1,413	54	29,138	0	4,968	144,028	2,518	2,572	2,572
Year 2016															
January	793	45	91	7,653	851	0	130	1	2,492	0	442	12,497	113	115	115
February	750	45	76	7,133	763	0	115	2	2,317	0	396	11,597	124	126	126
March	781	39	63	7,462	837	0	142	2	2,381	0	409	12,117	171	173	173
April	670	37	50	7,067	815	0	128	2	2,192	0	424	11,386	186	189	189
May	740	51	87	7,341	740	0	119	3	2,350	0	456	11,886	206	208	208
June	814	44	81	7,661	692	0	99	3	2,391	0	463	12,248	206	209	209
July	873	48	79	8,165	731	0	104	3	2,501	0	486	12,989	214	217	217
August	847	37	81	8,291	732	0	92	3	2,489	0	503	13,075	209	212	212
Sept	762	41	60	7,706	674	0	65	2	2,312	0	489	12,111	190	192	192
October	693	41	75	7,527	679	0	88	2	2,312	0	433	11,851	174	176	176
November	630	37	87	7,514	662	0	69	2	2,433	0	418	11,852	139	140	140
December	750	40	78	7,678	720	0	117	1	2,493	0	405	12,283	128	129	129
Year 2017															
January	757	41	57	7,885	769	0	123	NM	2,467	0	383	12,484	133	NM	NM
February	662	35	55	6,952	855	0	112	NM	2,342	0	367	11,381	147	NM	NM
March	669	35	79	7,372	885	0	127	NM	2,446	0	413	12,030	209	NM	NM
April	593	34	48	7,171	857	0	124	NM	2,353	0	413	11,596	227	NM	NM
May	637	35	76	7,252	835	0	135	4	2,315	0	400	11,689	252	256	256
June	706	35	75	7,489	867	0	124	8	2,404	0	419	12,127	254	262	262
July	699	34	87	7,977	884	0	121	7	2,600	0	490	12,897	264	272	272
August	700	34	72	7,634	951	0	109	7	2,593	0	489	12,590	258	265	265
Sept	652	32	56	6,993	787	0	98	6	2,287	0	390	11,301	235	241	241
October	680	37	45	7,087	698	0	102	6	2,346	0	372	11,373	214	220	220
November	634	38	74	7,362	834	0	120	4	2,373	0	408	11,846	170	174	174
December	685	47	51	8,013	759	0	119	NM	2,613	0	423	12,714	155	NM	NM
Year 2018															
January	756	67	52	7,968	730	0	113	NM	2,552	0	411	12,652	164	NM	NM
February	662	40	46	7,071	762	0	114	5	2,327	0	340	11,368	172	178	178
Year to Date															
2016	1,543	89	167	14,785	1,613	0	245	3	4,809	0	838	24,093	238	241	241
2017	1,419	76	112	14,838	1,624	0	235	NM	4,809	0	750	23,865	280	283	283
2018	1,418	107	99	15,039	1,492	0	227	9	4,879	0	751	24,020	337	346	346
Rolling 12 Months Ending in February															
2017	8,978	490	854	91,250	8,906	0	1,259	NM	28,662	0	5,236	145,662	2,102	NM	NM
2018	8,072	468	762	89,388	9,850	0	1,405	NM	29,208	0	4,969	144,183	2,575	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.
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 2016 and prior years are final. Values for 2017 and 2018 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
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Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report;
Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.
Estimated small scale solar photovoltaic generation and small scale solar photovoltaic capacity are based on data from Form EIA-861M, 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 2018 (Thousand Megawatthours)

	Small Scale Generation
Period	**Estimated Small Scale Solar Photovoltaic Generation**
Annual Totals	
2014	4,947
2015	6,999
2016	10,595
2017	13,922
Year 2016	
January	520
February	622
March	835
April	951
May	1,058
June	1,099
July	1,146
August	1,113
Sept	989
October	884
November	726
December	653
Year 2017	
January	697
February	783
March	1,147
April	1,284
May	1,415
June	1,468
July	1,495
August	1,446
Sept	1,292
October	1,156
November	903
December	837
Year 2018	
January	951
February	1,008
Year to Date	
2016	1,142
2017	1,480
2018	1,959
Rolling 12 Months Ending in February	
2017	10,933
2018	14,401

See Glossary for definitions. Values for 2016 and prior years are final. Values for 2017 and 2018 are preliminary.
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 small scale solar photovoltaic generation and small scale solar photovoltaic capacity are based on data from Form EIA-861M, 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 2018 and 2017 (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 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	7,806	7,797	0.1%	252	200	7,233	7,287	98	94	223	215
Connecticut	2,837	2,723	4.2%	8	6	2,760	2,652	30	30	39	36
Maine	856	853	0.4%	0	0	679	683	17	13	160	157
Massachusetts	2,312	2,477	-6.7%	23	20	2,226	2,397	40	40	22	20
New Hampshire	1,263	1,299	-2.8%	136	99	1,117	1,191	6	7	2	2
Rhode Island	348	282	23.4%	0	1	344	278	4	4	0	0
Vermont	190	163	16.8%	84	75	106	87	0	0	0	0
Middle Atlantic	31,451	29,666	6.0%	2,557	2,546	28,369	26,593	169	158	356	370
New Jersey	5,821	5,297	9.9%	4	1	5,709	5,191	51	45	57	60
New York	9,236	9,152	0.9%	2,542	2,535	6,533	6,464	87	84	74	70
Pennsylvania	16,394	15,217	7.7%	11	10	16,127	14,938	31	29	225	240
East North Central	46,844	43,767	7.0%	18,585	18,438	27,227	24,286	148	140	883	903
Illinois	14,271	13,220	8.0%	371	450	13,631	12,524	31	26	237	219
Indiana	7,696	7,717	-0.3%	5,569	6,464	1,762	841	22	20	343	392
Michigan	9,500	8,320	14.2%	6,614	6,020	2,705	2,139	67	63	115	99
Ohio	9,887	9,563	3.4%	1,652	1,636	8,162	7,849	21	21	53	57
Wisconsin	5,490	4,947	11.0%	4,379	3,868	967	933	8	10	136	137
West North Central	28,487	25,949	9.8%	22,926	20,684	5,153	4,885	50	46	359	334
Iowa	4,960	3,819	29.8%	3,659	2,561	1,117	1,103	20	13	163	143
Kansas	4,239	3,788	11.9%	2,802	2,412	1,435	1,373	NM	NM	NM	NM
Minnesota	5,077	4,732	7.3%	3,860	3,608	1,060	969	16	17	140	139
Missouri	6,910	6,338	9.0%	6,508	6,102	386	218	11	14	5	4
Nebraska	2,944	2,980	-1.2%	2,490	2,439	417	506	1	2	35	33
North Dakota	3,409	3,480	-2.1%	2,823	2,969	572	497	0	0	14	13
South Dakota	950	812	17.0%	784	594	166	218	NM	NM	0	0
South Atlantic	57,350	55,207	3.9%	47,427	46,514	8,344	7,068	92	93	1,487	1,532
Delaware	399	481	-17.1%	NM	NM	334	359	1	1	64	121
District of Columbia	8	5	38.1%	0	0	5	4	2	2	0	0
Florida	16,471	15,738	4.7%	15,244	14,480	820	853	6	6	400	399
Georgia	8,628	8,674	-0.5%	7,201	7,157	1,011	1,106	NM	NM	416	410
Maryland	2,637	2,027	30.1%	209	NM	2,360	1,962	43	39	26	25
North Carolina	9,063	9,003	0.7%	7,919	8,033	971	813	17	12	156	144
South Carolina	7,140	6,927	3.1%	6,860	6,653	121	111	0	0	160	163
Virginia	7,724	6,946	11.2%	5,982	5,814	1,535	913	24	33	183	187
West Virginia	5,280	5,406	-2.3%	4,013	4,377	1,185	947	0	0	82	83
East South Central	25,830	25,095	2.9%	22,397	21,893	2,721	2,488	18	15	695	698
Alabama	9,757	9,920	-1.6%	7,233	7,633	2,182	1,948	0	0	342	339
Kentucky	5,330	5,273	1.1%	5,274	5,224	9	NM	0	0	48	48
Mississippi	4,747	3,827	24.1%	4,104	3,157	505	524	2	1	136	146
Tennessee	5,996	6,074	-1.3%	5,786	5,879	26	15	16	14	169	166
West South Central	51,958	47,223	10.0%	16,073	15,080	29,945	26,209	56	62	5,884	5,872
Arkansas	5,020	4,591	9.4%	3,291	3,483	1,583	967	0	1	146	141
Louisiana	7,212	6,895	4.6%	4,224	3,826	575	674	13	14	2,400	2,382
Oklahoma	6,369	5,374	18.5%	2,765	2,716	3,533	2,594	0	0	72	64
Texas	33,357	30,363	9.9%	5,794	5,056	24,254	21,974	43	47	3,266	3,285
Mountain	26,395	25,962	1.7%	20,344	20,418	5,756	5,265	43	39	251	240
Arizona	7,312	6,669	9.6%	6,791	6,170	509	488	12	11	0	0
Colorado	4,330	4,185	3.5%	3,265	3,184	1,058	994	NM	NM	6	6
Idaho	1,421	1,214	17.1%	934	806	435	356	4	4	48	47
Montana	2,528	2,458	2.9%	1,110	953	1,415	1,502	0	0	3	3
Nevada	2,619	2,521	3.9%	1,740	1,786	846	713	9	7	24	15
New Mexico	1,827	2,510	-27.2%	872	1,841	947	661	9	9	0	0
Utah	2,688	2,646	1.6%	2,366	2,311	270	275	7	7	46	52
Wyoming	3,669	3,760	-2.4%	3,267	3,368	277	276	0	0	125	116
Pacific Contiguous	29,100	28,481	2.2%	18,836	19,015	8,835	8,057	230	226	1,198	1,183
California	12,821	14,531	-11.8%	4,773	7,067	6,805	6,232	220	217	1,023	1,015
Oregon	5,491	4,904	12.0%	4,160	3,898	1,273	952	6	6	52	48
Washington	10,787	9,047	19.2%	9,903	8,050	757	873	4	4	124	121
Pacific Noncontiguous	1,237	1,150	7.6%	871	767	281	288	54	61	31	33
Alaska	500	431	16.0%	437	373	20	19	33	29	9	11
Hawaii	738	719	2.6%	434	394	261	269	20	32	22	23
U.S. Total	306,458	290,297	5.6%	170,268	165,556	123,864	112,426	959	934	11,368	11,381

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

Table 1.3.B. Utility Scale Facility Net Generation

by State, by Sector, Year-to-Date through February 2018 and 2017 (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 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
New England	17,396	16,526	5.3%	809	407	15,906	15,452	204	202	478	465
Connecticut	6,243	5,959	4.8%	15	13	6,091	5,804	58	61	79	81
Maine	1,959	1,774	10.4%	0	0	1,577	1,409	34	29	348	337
Massachusetts	5,025	5,136	-2.2%	111	45	4,779	4,958	88	89	46	44
New Hampshire	2,991	2,721	9.9%	509	194	2,464	2,508	13	14	5	5
Rhode Island	798	601	32.9%	0	1	790	591	9	8	0	0
Vermont	380	336	12.9%	175	154	204	182	1	1	0	0
Middle Atlantic	68,597	63,685	7.7%	5,866	5,335	61,649	57,259	356	333	725	757
New Jersey	11,806	11,430	3.3%	14	3	11,563	11,204	105	96	123	127
New York	21,247	19,551	8.7%	5,831	5,315	15,088	13,912	179	180	149	143
Pennsylvania	35,544	32,703	8.7%	21	17	34,998	32,143	73	57	453	487
East North Central	104,916	95,341	10.0%	43,466	40,229	59,299	52,963	314	300	1,835	1,849
Illinois	31,796	29,743	6.9%	852	873	30,392	28,333	71	58	482	479
Indiana	18,888	17,227	9.6%	15,090	14,675	3,046	1,761	43	41	710	750
Michigan	20,557	18,014	14.1%	14,382	13,109	5,790	4,558	144	132	241	215
Ohio	22,004	19,686	11.8%	3,845	3,191	18,010	16,333	39	45	111	117
Wisconsin	11,670	10,669	9.4%	9,298	8,380	2,062	1,978	18	23	292	288
West North Central	61,725	56,834	8.6%	49,571	46,599	11,276	9,425	109	101	769	709
Iowa	10,788	9,107	18.5%	7,977	6,632	2,431	2,133	41	32	339	310
Kansas	8,941	8,240	8.5%	5,848	5,505	3,065	2,729	NM	NM	26	NM
Minnesota	11,144	10,235	8.9%	8,555	8,076	2,263	1,832	36	36	291	291
Missouri	14,967	14,180	5.6%	14,142	13,729	789	414	27	27	10	10
Nebraska	6,342	6,339	0.0%	5,237	5,321	1,029	948	3	3	73	67
North Dakota	7,517	7,023	7.0%	6,201	6,030	1,286	966	0	0	30	27
South Dakota	2,025	1,709	18.5%	1,612	1,307	413	402	NM	NM	0	0
South Atlantic	132,610	120,586	10.0%	109,882	101,852	19,369	15,393	205	196	3,154	3,145
Delaware	978	957	2.3%	7	NM	837	722	1	1	133	233
District of Columbia	15	15	-4.5%	0	0	10	9	5	6	0	0
Florida	36,077	33,285	8.4%	33,262	30,725	1,945	1,715	13	14	856	832
Georgia	20,808	18,977	9.6%	17,711	16,123	2,210	2,022	3	NM	884	831
Maryland	6,686	4,719	41.7%	396	NM	6,149	4,586	90	80	52	51
North Carolina	22,379	19,915	12.4%	20,050	18,055	1,959	1,535	35	27	336	297
South Carolina	16,196	15,166	6.8%	15,348	14,561	508	264	1	0	339	341
Virginia	17,047	15,088	13.0%	13,607	12,707	2,992	1,928	58	67	390	386
West Virginia	12,425	12,465	-0.3%	9,503	9,679	2,760	2,612	0	0	163	174
East South Central	61,201	54,385	12.5%	52,946	47,697	6,747	5,198	37	34	1,472	1,456
Alabama	22,974	20,860	10.1%	16,950	16,087	5,308	4,069	0	0	715	704
Kentucky	12,925	12,258	5.4%	12,699	12,134	125	24	0	0	102	100
Mississippi	10,904	8,019	36.0%	9,326	6,631	1,270	1,076	5	3	303	309
Tennessee	14,399	13,247	8.7%	13,971	12,844	44	29	32	30	351	344
West South Central	113,566	102,019	11.3%	36,036	33,251	64,957	56,218	123	133	12,450	12,418
Arkansas	11,301	10,004	13.0%	7,855	8,161	3,140	1,545	1	1	305	297
Louisiana	15,822	14,997	5.5%	9,131	8,345	1,539	1,591	25	30	5,127	5,031
Oklahoma	13,418	11,655	15.1%	5,964	6,182	7,304	5,333	0	0	151	140
Texas	73,025	65,363	11.7%	13,087	10,562	52,974	47,749	97	102	6,868	6,950
Mountain	56,067	57,317	-2.2%	43,333	45,821	12,115	10,907	89	82	530	506
Arizona	15,505	14,647	5.9%	14,292	13,608	1,188	1,017	25	23	0	0
Colorado	9,043	9,152	-1.2%	6,819	7,054	2,209	2,082	NM	NM	13	13
Idaho	2,937	2,609	12.6%	1,893	1,753	933	747	9	9	103	100
Montana	5,440	5,198	4.7%	2,253	2,022	3,180	3,169	0	0	6	7
Nevada	5,429	5,540	-2.0%	3,685	4,027	1,679	1,465	18	15	47	33
New Mexico	3,847	5,651	-31.9%	2,015	4,261	1,813	1,371	19	18	0	0
Utah	5,825	6,302	-7.6%	5,187	5,650	523	533	15	15	100	104
Wyoming	8,041	8,218	-2.2%	7,189	7,445	590	523	0	0	262	250
Pacific Contiguous	60,971	62,600	-2.6%	39,469	41,619	18,477	18,007	478	483	2,547	2,491
California	27,202	31,975	-14.9%	10,749	15,567	13,821	13,810	457	464	2,175	2,135
Oregon	11,467	10,831	5.9%	8,826	8,479	2,519	2,237	13	13	109	102
Washington	22,302	19,794	12.7%	19,895	17,573	2,137	1,960	7	7	263	254
Pacific Noncontiguous	2,623	2,522	4.0%	1,836	1,745	605	581	122	126	60	69
Alaska	1,085	997	8.8%	956	874	43	40	70	62	16	21
Hawaii	1,538	1,525	0.9%	879	871	562	541	52	64	44	48
U.S. Total	679,672	631,815	7.6%	383,215	364,555	270,400	241,403	2,037	1,991	24,020	23,865

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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 2018 and 2017 (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 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	116	407	-71.4%	86	49	29	356	0	0	NM	NM
Connecticut	22	-2	NM	0	0	22	-2	0	0	0	0
Maine	9	10	-12.7%	0	0	7	8	0	0	NM	NM
Massachusetts	0	350	-100.0%	0	0	0	350	0	0	0	0
New Hampshire	86	49	76.6%	86	49	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	3,559	3,479	2.3%	0	0	3,534	3,430	0	0	25	49
New Jersey	84	86	-2.3%	0	0	84	86	0	0	0	0
New York	14	69	-79.7%	0	0	10	43	0	0	4	26
Pennsylvania	3,461	3,324	4.1%	0	0	3,440	3,301	0	0	21	23
East North Central	21,240	21,421	-0.8%	12,342	12,775	8,692	8,461	7	NM	199	181
Illinois	4,828	4,069	18.6%	363	398	4,316	3,531	NM	NM	145	137
Indiana	5,182	5,550	-6.6%	4,898	5,319	280	231	4	0	0	0
Michigan	3,420	3,053	12.0%	3,377	3,015	33	35	0	0	10	NM
Ohio	5,095	5,788	-12.0%	1,031	1,123	4,062	4,664	0	0	NM	NM
Wisconsin	2,716	2,960	-8.3%	2,673	2,920	0	0	0	0	43	40
West North Central	15,175	13,735	10.5%	14,940	13,498	0	0	7	13	228	225
Iowa	2,136	1,208	76.8%	2,007	1,075	0	0	6	8	123	125
Kansas	1,652	1,422	16.1%	1,652	1,422	0	0	0	0	0	0
Minnesota	1,892	1,877	0.8%	1,830	1,817	0	0	0	0	61	59
Missouri	5,252	5,025	4.5%	5,250	5,020	0	0	1	5	0	0
Nebraska	1,803	1,753	2.8%	1,768	1,720	0	0	0	0	35	33
North Dakota	2,200	2,308	-4.7%	2,191	2,300	0	0	0	0	NM	NM
South Dakota	242	143	69.5%	242	143	0	0	0	0	0	0
South Atlantic	11,669	13,075	-10.8%	10,080	11,731	1,520	1,278	7	6	63	60
Delaware	3	10	-74.6%	0	0	3	10	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,756	2,747	-36.1%	1,748	2,736	0	0	0	0	9	NM
Georgia	1,506	1,454	3.5%	1,493	1,442	0	0	0	0	NM	NM
Maryland	551	467	18.0%	0	0	543	460	0	0	8	7
North Carolina	1,386	1,593	-13.0%	1,362	1,564	6	10	5	4	13	15
South Carolina	1,141	1,129	1.1%	1,138	1,127	0	0	0	0	3	2
Virginia	443	597	-25.8%	412	563	12	19	1	2	18	14
West Virginia	4,884	5,078	-3.8%	3,927	4,298	957	780	0	0	0	0
East South Central	8,053	8,759	-8.1%	7,785	8,516	205	183	0	0	63	60
Alabama	2,333	2,523	-7.5%	2,330	2,519	0	0	0	0	NM	NM
Kentucky	3,957	4,458	-11.2%	3,957	4,458	0	0	0	0	0	0
Mississippi	255	260	-1.9%	51	77	205	183	0	0	0	0
Tennessee	1,508	1,518	-0.6%	1,448	1,462	0	0	0	0	60	56
West South Central	10,889	12,525	-13.1%	6,115	6,736	4,750	5,760	0	0	23	29
Arkansas	1,762	1,862	-5.4%	1,350	1,570	409	288	0	0	3	4
Louisiana	797	1,014	-21.4%	541	691	256	322	0	0	0	0
Oklahoma	1,222	1,290	-5.3%	1,075	1,183	127	83	0	0	20	24
Texas	7,108	8,359	-15.0%	3,150	3,292	3,958	5,067	0	0	0	0
Mountain	11,105	12,814	-13.3%	9,753	11,394	1,317	1,391	0	0	35	29
Arizona	2,368	2,446	-3.2%	2,368	2,446	0	0	0	0	0	0
Colorado	2,015	2,413	-16.5%	2,014	2,411	0	0	0	0	1	1
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	1,181	1,263	-6.5%	23	24	1,157	1,238	0	0	1	1
Nevada	70	156	-55.2%	-3	95	73	61	0	0	0	0
New Mexico	531	1,454	-63.5%	531	1,454	0	0	0	0	0	0
Utah	1,883	1,916	-1.7%	1,848	1,881	35	35	0	0	0	0
Wyoming	3,055	3,165	-3.5%	2,973	3,083	52	57	0	0	30	25
Pacific Contiguous	88	523	-83.1%	0	182	63	314	0	0	25	28
California	24	25	-1.3%	0	0	0	0	0	0	24	25
Oregon	0	182	-100.0%	0	182	0	0	0	0	0	0
Washington	64	317	-79.8%	0	0	63	314	0	0	1	3
Pacific Noncontiguous	157	136	14.9%	NM	NM	123	106	9	10	0	0
Alaska	48	NM	NM	NM	NM	15	13	9	10	0	0
Hawaii	109	93	17.0%	0	0	109	93	0	0	0	0
U.S. Total	82,051	86,873	-5.6%	61,125	64,900	20,233	21,279	30	32	662	662

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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 2018 and 2017 (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 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
New England	531	730	-27.4%	323	90	203	637	0	0	NM	NM
Connecticut	187	38	398.8%	0	0	187	38	0	0	0	0
Maine	20	19	2.1%	0	0	15	16	0	0	NM	NM
Massachusetts	0	584	-100.0%	0	0	0	584	0	0	0	0
New Hampshire	323	90	260.5%	323	90	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	9,165	8,120	12.9%	0	0	9,109	8,012	0	0	56	108
New Jersey	287	220	30.6%	0	0	287	220	0	0	0	0
New York	260	189	38.1%	0	0	253	136	0	0	8	52
Pennsylvania	8,617	7,712	11.7%	0	0	8,569	7,656	0	0	48	56
East North Central	48,880	47,688	2.5%	29,105	28,282	19,342	19,007	16	10	417	390
Illinois	10,711	9,858	8.6%	738	759	9,658	8,794	9	8	306	298
Indiana	13,325	12,837	3.8%	12,696	12,297	622	539	6	2	0	0
Michigan	7,429	6,798	9.3%	7,340	6,715	73	76	0	0	16	6
Ohio	11,411	11,790	-3.2%	2,420	2,191	8,988	9,597	0	0	NM	NM
Wisconsin	6,004	6,404	-6.2%	5,911	6,320	0	0	0	0	93	84
West North Central	32,713	32,184	1.6%	32,210	31,691	0	1	17	29	485	463
Iowa	4,552	4,072	11.8%	4,275	3,803	0	0	12	18	265	251
Kansas	3,449	3,415	1.0%	3,449	3,415	0	0	0	0	0	0
Minnesota	4,297	4,328	-0.7%	4,167	4,199	0	0	0	1	129	128
Missouri	11,374	11,447	-0.6%	11,370	11,436	0	1	5	11	0	0
Nebraska	3,752	3,855	-2.7%	3,679	3,788	0	0	0	0	73	67
North Dakota	4,787	4,705	1.8%	4,769	4,688	0	0	0	0	18	17
South Dakota	501	362	38.5%	501	362	0	0	0	0	0	0
South Atlantic	35,477	32,480	9.2%	30,680	28,694	4,636	3,631	18	14	143	141
Delaware	86	28	203.1%	0	0	86	28	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	5,097	6,031	-15.5%	5,076	6,009	0	0	0	0	21	23
Georgia	5,267	3,983	32.2%	5,235	3,957	0	0	0	0	32	26
Maryland	2,151	1,252	71.8%	0	0	2,136	1,238	0	0	16	15
North Carolina	6,223	4,473	39.1%	6,165	4,407	15	22	14	11	29	33
South Carolina	3,160	2,903	8.9%	3,152	2,898	0	0	0	0	8	6
Virginia	1,896	2,029	-6.5%	1,742	1,916	114	70	3	3	37	40
West Virginia	11,596	11,781	-1.6%	9,310	9,508	2,286	2,273	0	0	0	0
East South Central	21,134	20,464	3.3%	20,532	19,982	472	355	0	0	130	128
Alabama	6,103	5,051	20.8%	6,095	5,044	0	0	0	0	NM	NM
Kentucky	9,541	10,457	-8.8%	9,541	10,457	0	0	0	0	0	0
Mississippi	815	785	3.7%	343	431	472	355	0	0	0	0
Tennessee	4,676	4,171	12.1%	4,553	4,050	0	0	0	0	123	121
West South Central	27,309	30,441	-10.3%	15,202	16,130	12,052	14,249	0	0	55	62
Arkansas	4,689	4,940	-5.1%	3,794	4,377	886	554	0	0	10	9
Louisiana	2,089	2,403	-13.1%	1,342	1,537	746	866	0	0	0	0
Oklahoma	3,000	3,185	-5.8%	2,687	2,918	268	214	0	0	45	53
Texas	17,531	19,912	-12.0%	7,380	7,297	10,151	12,615	0	0	0	0
Mountain	24,436	28,591	-14.5%	21,403	25,542	2,961	2,984	0	0	73	65
Arizona	5,138	5,324	-3.5%	5,138	5,324	0	0	0	0	0	0
Colorado	4,269	5,219	-18.2%	4,266	5,217	0	0	0	0	3	2
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	2,665	2,710	-1.7%	41	51	2,622	2,657	0	0	2	2
Nevada	149	352	-57.5%	-7	218	156	134	0	0	0	0
New Mexico	1,328	3,391	-60.8%	1,328	3,391	0	0	0	0	0	0
Utah	4,147	4,525	-8.4%	4,074	4,452	73	73	0	0	0	0
Wyoming	6,736	7,065	-4.7%	6,563	6,888	109	120	0	0	64	56
Pacific Contiguous	773	1,421	-45.6%	0	554	718	810	0	0	55	57
California	51	51	0.0%	0	0	0	0	0	0	51	51
Oregon	0	554	-100.0%	0	554	0	0	0	0	0	0
Washington	722	815	-11.5%	0	0	718	810	0	0	4	6
Pacific Noncontiguous	330	255	29.6%	NM	NM	258	189	22	20	0	0
Alaska	103	96	7.7%	NM	NM	31	30	22	20	0	0
Hawaii	227	159	42.7%	0	0	227	159	0	0	0	0
U.S. Total	200,746	202,374	-0.8%	149,507	151,010	49,749	49,872	72	73	1,418	1,419

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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 2018 and 2017 (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 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	8	37	-77.2%	2	3	2	29	4	4	1	NM
Connecticut	NM	1	NM	0	0	NM	1	NM	NM	0	0
Maine	1	2	-17.3%	0	0	0	1	0	0	NM	NM
Massachusetts	2	28	-94.2%	NM	NM	0	26	NM	NM	0	0
New Hampshire	3	3	-4.9%	1	2	NM	NM	2	2	0	0
Rhode Island	NM	NM	NM	0	1	NM	NM	0	1	0	0
Vermont	NM	0	NM	NM	0	0	0	0	0	0	0
Middle Atlantic	45	61	-25.9%	15	25	24	31	1	NM	5	4
New Jersey	2	NM	NM	NM	NM	1	NM	0	0	0	0
New York	34	43	-20.4%	15	25	14	13	NM	NM	5	4
Pennsylvania	10	18	-44.0%	0	0	9	17	1	0	NM	NM
East North Central	33	32	4.5%	20	20	11	10	NM	NM	2	2
Illinois	3	5	-41.2%	0	1	2	4	NM	NM	0	0
Indiana	7	7	-0.6%	5	6	0	0	0	0	2	1
Michigan	8	5	52.8%	8	5	0	0	0	0	NM	0
Ohio	12	13	-2.1%	4	7	8	5	0	0	0	0
Wisconsin	NM	2	NM	NM	2	0	0	NM	0	NM	NM
West North Central	41	33	24.1%	33	33	7	NM	0	0	0	0
Iowa	20	18	12.7%	20	18	NM	NM	0	0	0	0
Kansas	4	3	5.4%	4	3	0	0	0	0	0	0
Minnesota	9	2	321.7%	NM	2	7	NM	0	0	0	0
Missouri	4	5	-8.9%	4	5	0	0	0	0	0	0
Nebraska	NM	NM	NM	NM	NM	0	0	0	0	0	0
North Dakota	2	4	-40.1%	2	4	0	0	0	0	0	0
South Dakota	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
South Atlantic	55	117	-53.0%	41	83	8	30	2	2	4	NM
Delaware	NM	NM	NM	0	0	NM	NM	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	10	45	-78.1%	9	44	0	NM	0	0	NM	NM
Georgia	7	-2	-391.7%	5	-5	NM	NM	0	0	NM	NM
Maryland	4	4	2.9%	0	0	4	4	0	0	0	0
North Carolina	4	13	-69.6%	3	12	NM	NM	0	0	NM	NM
South Carolina	3	5	-35.9%	2	5	0	0	0	0	1	0
Virginia	8	35	-76.4%	4	12	2	21	2	2	NM	NM
West Virginia	18	15	20.1%	18	15	0	0	0	0	0	0
East South Central	13	19	-33.8%	12	18	NM	NM	0	0	NM	NM
Alabama	NM	NM	NM	-1	2	NM	NM	0	0	NM	NM
Kentucky	8	9	-12.8%	8	9	0	0	0	0	0	0
Mississippi	0	NM	NM	0	NM	0	0	0	0	0	0
Tennessee	4	8	-41.6%	4	7	0	0	0	0	0	0
West South Central	10	16	-40.8%	9	6	0	10	0	0	0	0
Arkansas	5	8	-44.3%	5	1	0	7	0	0	0	0
Louisiana	1	NM	NM	1	NM	0	0	0	0	0	0
Oklahoma	1	1	35.2%	1	1	0	0	0	0	0	0
Texas	3	6	-51.7%	2	3	0	3	0	0	0	0
Mountain	14	19	-25.7%	13	18	0	1	0	0	0	0
Arizona	5	6	-10.5%	5	6	0	0	0	0	0	0
Colorado	NM	0	NM	NM	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	NM	1	NM	NM	NM	0	1	0	0	0	0
Nevada	0	0	40.8%	0	0	0	0	0	0	0	0
New Mexico	NM	5	NM	NM	5	0	0	0	0	0	0
Utah	3	2	16.0%	3	2	0	0	0	0	0	0
Wyoming	2	4	-39.6%	2	4	0	0	0	0	0	0
Pacific Contiguous	10	10	-1.5%	NM	5	0	0	0	0	7	5
California	9	7	26.1%	NM	2	0	0	0	0	6	5
Oregon	0	1	-100.0%	0	1	0	0	0	0	0	0
Washington	NM	2	NM	NM	1	0	0	0	0	NM	NM
Pacific Noncontiguous	563	561	0.3%	476	447	65	93	1	1	20	20
Alaska	69	81	-14.6%	64	75	0	0	1	1	4	5
Hawaii	494	480	2.9%	412	372	65	93	0	0	16	16
U.S. Total	792	905	-12.5%	624	658	119	203	8	8	40	35

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

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

by State, by Sector, Year-to-Date through February 2018 and 2017 (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 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
New England	917	75	NM	137	7	753	55	NM	12	NM	2
Connecticut	197	7	NM	NM	1	192	6	NM	NM	1	0
Maine	158	14	997.7%	0	0	151	12	0	0	NM	2
Massachusetts	362	43	742.7%	51	NM	302	36	NM	7	1	0
New Hampshire	147	6	NM	83	3	59	NM	6	3	0	0
Rhode Island	NM	NM	NM	0	1	NM	NM	1	1	0	0
Vermont	NM	1	NM	NM	1	0	0	0	0	0	0
Middle Atlantic	1,902	150	NM	596	53	1,283	85	NM	NM	NM	9
New Jersey	212	18	NM	1	NM	207	18	3	0	1	0
New York	1,320	91	NM	593	53	712	29	NM	NM	NM	8
Pennsylvania	370	40	822.4%	2	0	364	39	1	1	NM	NM
East North Central	140	78	79.4%	67	48	66	27	NM	NM	6	3
Illinois	NM	10	NM	NM	1	9	9	NM	NM	0	0
Indiana	25	17	45.6%	19	15	0	0	0	0	5	2
Michigan	16	13	19.7%	15	13	0	0	1	0	NM	0
Ohio	82	31	164.0%	25	13	56	18	0	0	1	0
Wisconsin	NM	6	NM	NM	6	0	0	NM	0	NM	NM
West North Central	103	83	23.7%	93	82	NM	NM	1	0	0	0
Iowa	45	47	-4.3%	44	46	NM	NM	0	0	0	0
Kansas	NM	8	NM	NM	8	0	0	0	0	0	0
Minnesota	NM	6	NM	NM	5	NM	NM	1	0	0	0
Missouri	25	10	147.1%	25	10	0	0	0	0	0	0
Nebraska	NM	NM	NM	NM	NM	0	0	0	0	0	0
North Dakota	4	11	-59.4%	4	11	0	0	0	0	0	0
South Dakota	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
South Atlantic	1,616	270	497.9%	1,003	193	576	65	13	4	NM	8
Delaware	134	6	NM	6	0	128	6	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	NM	70	NM	NM	68	NM	NM	0	0	NM	NM
Georgia	NM	11	NM	NM	3	NM	NM	3	0	NM	NM
Maryland	206	17	NM	3	1	201	16	1	0	2	0
North Carolina	293	44	566.8%	272	40	NM	NM	0	0	NM	NM
South Carolina	NM	14	NM	NM	12	38	0	0	0	3	1
Virginia	468	80	481.6%	NM	41	109	35	9	4	NM	NM
West Virginia	41	27	50.9%	33	27	9	0	0	0	0	0
East South Central	86	51	69.3%	56	47	24	2	0	0	NM	NM
Alabama	41	8	389.6%	NM	5	24	2	0	0	NM	NM
Kentucky	17	20	-15.6%	17	20	0	0	0	0	0	0
Mississippi	NM	3	NM	NM	2	0	0	0	0	1	0
Tennessee	24	20	24.1%	24	19	0	0	0	0	0	0
West South Central	NM	29	NM	NM	13	NM	16	NM	0	2	0
Arkansas	NM	13	NM	NM	3	0	10	0	0	2	0
Louisiana	NM	NM	NM	NM	NM	0	0	0	0	0	0
Oklahoma	3	3	-1.4%	2	2	0	0	0	0	0	0
Texas	NM	11	NM	NM	6	NM	5	NM	0	0	0
Mountain	30	42	-30.0%	28	39	2	3	0	0	0	0
Arizona	11	13	-16.9%	11	13	0	0	0	0	0	0
Colorado	2	1	213.2%	2	1	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	NM	3	NM	NM	NM	1	3	0	0	0	0
Nevada	0	0	-3.5%	0	0	0	0	0	0	0	0
New Mexico	NM	11	NM	NM	11	0	0	0	0	0	0
Utah	6	6	1.6%	6	6	0	0	0	0	0	0
Wyoming	5	8	-39.3%	5	8	0	0	0	0	0	0
Pacific Contiguous	14	20	-32.5%	5	10	NM	4	0	0	8	7
California	12	11	8.0%	5	5	0	0	NM	0	6	5
Oregon	0	3	-100.0%	0	3	0	0	0	0	0	0
Washington	NM	6	NM	NM	1	NM	3	0	0	NM	NM
Pacific Noncontiguous	1,171	1,262	-7.2%	976	1,006	154	210	3	2	39	44
Alaska	156	191	-18.6%	146	180	0	0	2	2	7	9
Hawaii	1,015	1,071	-5.2%	829	826	154	210	1	0	31	35
U.S. Total	6,012	2,061	191.7%	2,987	1,497	2,872	467	NM	21	107	76

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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 2018 and 2017 (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 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
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	13	NM	0	0	0	0	0	0	NM	13
New Jersey	5	6	-14.3%	0	0	0	0	0	0	5	6
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	NM	NM	NM	0	0	0	0	0	0	NM	NM
East North Central	172	125	37.4%	112	56	58	60	0	0	2	9
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	108	64	69.3%	106	56	0	0	0	0	2	9
Ohio	58	60	-4.2%	0	0	58	60	0	0	0	0
Wisconsin	6	1	554.4%	6	1	0	0	0	0	0	0
West North Central	10	1	NM	0	0	0	0	1	1	9	0
Iowa	10	1	NM	0	0	0	0	1	1	9	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	135	94	44.4%	125	84	0	0	0	0	NM	NM
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	125	84	48.0%	125	84	0	0	0	0	0	0
Georgia	NM	NM	NM	0	0	0	0	0	0	NM	NM
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	33	-100.0%	0	33	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	33	-100.0%	0	33	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	351	390	-10.1%	338	366	0	0	0	0	13	24
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	349	383	-8.9%	338	366	0	0	0	0	10	17
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	NM	8	NM	0	0	0	0	0	0	NM	8
Mountain	38	32	18.0%	0	0	38	32	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	32	18.0%	0	0	38	32	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	718	687	4.5%	575	540	95	92	1	1	46	55

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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 2018 and 2017 (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 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 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	26	29	-9.1%	0	0	0	0	0	0	26	29
New Jersey	11	14	-20.1%	0	0	0	0	0	0	11	14
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	NM	NM	NM	0	0	0	0	0	0	NM	NM
East North Central	356	295	20.7%	236	140	112	137	0	0	8	17
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	225	150	49.5%	217	134	0	0	0	0	8	17
Ohio	112	137	-18.5%	0	0	112	137	0	0	0	0
Wisconsin	19	7	175.1%	19	7	0	0	0	0	0	0
West North Central	16	8	90.0%	0	0	0	0	2	2	14	7
Iowa	16	8	90.0%	0	0	0	0	2	2	14	7
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	353	220	60.4%	325	198	0	0	0	0	NM	NM
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	325	198	64.3%	325	198	0	0	0	0	0	0
Georgia	NM	NM	NM	0	0	0	0	0	0	NM	NM
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	132	-100.0%	0	132	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	132	-100.0%	0	132	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	807	850	-5.1%	784	813	0	0	0	0	22	38
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	803	835	-3.8%	784	813	0	0	0	0	19	22
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	NM	15	NM	0	0	0	0	0	0	NM	15
Mountain	76	71	6.8%	0	0	76	71	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	76	71	6.8%	0	0	76	71	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	1,633	1,605	1.8%	1,345	1,282	187	208	2	2	99	112

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 2018 and 2017 (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 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	3,249	3,211	1.2%	4	4	3,088	3,055	71	70	85	83
Connecticut	1,271	1,200	6.0%	3	4	1,199	1,131	30	30	39	35
Maine	75	123	-38.8%	0	0	50	95	2	2	NM	25
Massachusetts	1,557	1,513	2.9%	0	0	1,501	1,459	35	34	21	20
New Hampshire	31	124	-75.0%	0	0	28	120	1	1	2	2
Rhode Island	313	251	24.7%	0	0	310	249	3	3	0	0
Vermont	0	0	-47.9%	0	0	0	0	0	0	0	0
Middle Atlantic	10,904	9,753	11.8%	651	680	9,993	8,843	80	79	179	150
New Jersey	2,695	2,235	20.6%	NM	NM	2,642	2,184	14	14	33	30
New York	2,913	3,260	-10.6%	645	673	2,171	2,516	55	54	42	17
Pennsylvania	5,296	4,258	24.4%	0	0	5,181	4,144	11	11	104	103
East North Central	8,628	6,512	32.5%	2,998	2,593	5,261	3,589	115	109	254	222
Illinois	524	948	-44.7%	1	NM	442	835	27	22	54	48
Indiana	1,675	1,375	21.8%	595	1,073	953	196	14	17	112	89
Michigan	2,134	1,488	43.4%	528	396	1,514	1,008	48	45	44	39
Ohio	2,962	2,036	45.5%	584	478	2,340	1,523	20	19	18	15
Wisconsin	1,334	665	100.5%	1,291	602	13	28	5	6	25	30
West North Central	1,660	762	117.7%	1,409	614	180	103	23	14	48	31
Iowa	392	94	315.7%	355	78	0	0	9	2	29	14
Kansas	166	90	84.4%	165	89	0	0	0	0	NM	NM
Minnesota	571	290	96.7%	486	226	63	44	9	9	13	12
Missouri	420	200	110.5%	294	133	117	60	5	3	5	4
Nebraska	18	16	13.3%	17	16	0	0	1	0	0	0
North Dakota	61	49	23.4%	60	49	0	0	0	0	1	0
South Dakota	NM	23	NM	NM	23	0	0	0	0	0	0
South Atlantic	24,983	23,037	8.4%	20,756	19,289	3,855	3,365	46	42	326	342
Delaware	373	414	-9.9%	0	0	323	340	0	0	50	74
District of Columbia	2	2	21.7%	0	0	0	0	2	2	0	0
Florida	11,242	10,064	11.7%	10,715	9,466	414	486	2	2	111	111
Georgia	4,093	4,374	-6.4%	3,240	3,387	806	943	0	0	46	43
Maryland	747	366	103.9%	208	0	491	322	40	37	8	8
North Carolina	3,199	3,199	0.0%	2,787	2,790	400	401	1	1	11	NM
South Carolina	967	1,104	-12.4%	910	1,026	48	69	0	0	10	9
Virginia	4,305	3,460	24.4%	2,895	2,619	1,356	790	1	1	53	50
West Virginia	55	53	3.0%	2	1	NM	NM	0	0	36	39
East South Central	8,867	7,135	24.3%	6,241	4,686	2,434	2,257	18	15	176	177
Alabama	3,473	3,260	6.5%	1,249	1,257	2,142	1,917	0	0	82	86
Kentucky	997	415	140.1%	970	395	7	0	0	0	20	20
Mississippi	3,725	2,727	36.6%	3,404	2,354	283	339	2	1	36	33
Tennessee	672	732	-8.2%	618	680	2	1	15	14	37	37
West South Central	24,441	19,159	27.6%	6,355	5,207	12,935	8,865	49	57	5,103	5,029
Arkansas	1,525	1,100	38.6%	346	419	1,153	659	0	0	26	22
Louisiana	4,393	4,176	5.2%	2,192	1,991	215	252	13	14	1,973	1,918
Oklahoma	2,527	1,687	49.8%	1,340	1,180	1,159	490	0	0	27	17
Texas	15,996	12,195	31.2%	2,476	1,617	10,407	7,465	36	43	3,077	3,071
Mountain	5,854	4,482	30.6%	4,695	3,509	1,003	827	34	32	123	115
Arizona	1,423	670	112.3%	1,231	460	182	200	11	10	0	0
Colorado	1,285	731	75.7%	1,074	622	210	107	0	0	1	1
Idaho	131	143	-7.9%	53	83	65	45	3	3	10	11
Montana	29	26	11.6%	21	20	8	6	0	0	1	1
Nevada	1,790	1,819	-1.6%	1,587	1,626	175	175	5	4	24	15
New Mexico	652	639	2.0%	298	352	345	279	8	8	0	0
Utah	471	398	18.3%	413	344	19	15	7	6	32	33
Wyoming	73	56	30.4%	18	3	0	0	0	0	55	53
Pacific Contiguous	7,546	6,845	10.2%	3,076	2,586	3,546	3,314	152	148	772	798
California	6,193	5,682	9.0%	2,473	2,128	2,818	2,631	146	142	755	781
Oregon	848	744	13.9%	344	234	494	500	4	4	7	7
Washington	505	419	20.6%	259	224	233	182	2	2	11	10
Pacific Noncontiguous	185	142	30.1%	180	135	0	0	0	1	5	6
Alaska	185	142	30.1%	180	135	0	0	0	1	5	6
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	96,317	81,040	18.9%	46,364	39,303	42,294	34,219	588	566	7,071	6,952

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

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

by State, by Sector, Year-to-Date through February 2018 and 2017 (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 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
New England	6,906	6,940	-0.5%	NM	10	6,558	6,599	139	147	185	184
Connecticut	2,624	2,698	-2.8%	6	8	2,483	2,548	56	61	78	80
Maine	218	280	-22.2%	0	0	155	219	5	5	59	57
Massachusetts	3,229	3,150	2.5%	NM	NM	3,098	3,034	70	72	44	42
New Hampshire	156	275	-43.2%	0	0	149	267	2	3	5	5
Rhode Island	678	537	26.5%	0	0	672	531	6	6	0	0
Vermont	0	0	-23.7%	0	0	0	0	0	0	0	0
Middle Atlantic	21,873	20,883	4.7%	1,499	1,473	19,858	18,938	167	168	349	304
New Jersey	4,934	4,868	1.3%	NM	NM	4,817	4,755	29	31	67	63
New York	6,498	7,100	-8.5%	1,475	1,453	4,830	5,497	109	115	83	35
Pennsylvania	10,441	8,914	17.1%	3	1	10,211	8,686	29	23	199	205
East North Central	19,636	13,891	41.4%	7,525	5,625	11,339	7,551	239	231	532	484
Illinois	1,850	1,882	-1.7%	98	99	1,584	1,626	59	49	108	107
Indiana	3,736	2,881	29.7%	2,235	2,227	1,234	427	30	32	237	196
Michigan	4,765	3,476	37.1%	1,320	1,035	3,247	2,263	104	93	94	85
Ohio	6,632	4,159	59.5%	1,339	928	5,219	3,154	36	43	37	33
Wisconsin	2,654	1,493	77.7%	2,534	1,335	55	81	9	14	56	63
West North Central	3,741	1,976	89.3%	3,211	1,615	363	247	49	31	119	82
Iowa	813	261	211.1%	738	212	0	0	18	6	57	43
Kansas	346	199	74.0%	321	194	0	0	0	0	25	NM
Minnesota	1,286	827	55.4%	1,101	667	141	115	18	20	26	25
Missouri	1,011	450	124.9%	768	304	222	132	11	5	9	9
Nebraska	54	46	16.1%	53	46	0	0	1	0	0	0
North Dakota	148	126	17.4%	146	126	0	0	0	0	2	0
South Dakota	83	67	24.6%	83	67	0	0	0	0	0	0
South Atlantic	51,692	46,057	12.2%	42,987	38,869	7,919	6,386	98	90	688	712
Delaware	710	832	-14.7%	0	0	609	675	0	0	101	157
District of Columbia	5	6	-21.8%	0	0	0	0	5	6	0	0
Florida	23,488	20,672	13.6%	22,163	19,497	1,084	936	4	5	237	235
Georgia	8,598	8,490	1.3%	6,745	6,691	1,750	1,713	0	0	103	85
Maryland	1,315	578	127.4%	392	0	822	487	84	76	16	15
North Carolina	6,631	6,380	3.9%	5,769	5,594	833	768	2	1	26	17
South Carolina	2,388	2,111	13.1%	2,037	1,908	329	181	0	0	21	22
Virginia	8,408	6,867	22.4%	5,850	5,168	2,447	1,599	2	2	109	99
West Virginia	149	120	24.1%	30	11	NM	NM	0	0	73	82
East South Central	21,178	15,362	37.9%	14,677	10,212	6,087	4,746	36	33	378	370
Alabama	8,167	6,769	20.7%	2,780	2,580	5,202	4,005	0	0	184	184
Kentucky	2,595	884	193.4%	2,429	820	122	21	0	0	43	43
Mississippi	8,665	6,277	38.0%	7,827	5,486	760	719	5	3	73	69
Tennessee	1,752	1,432	22.4%	1,640	1,327	2	1	31	30	78	74
West South Central	51,582	39,057	32.1%	13,607	9,825	27,027	18,402	107	122	10,841	10,708
Arkansas	3,062	1,651	85.5%	794	643	2,206	954	0	0	62	54
Louisiana	9,703	8,380	15.8%	4,834	3,724	587	517	25	30	4,256	4,109
Oklahoma	4,819	3,714	29.8%	2,588	2,526	2,179	1,152	0	0	52	36
Texas	33,998	25,312	34.3%	5,392	2,932	22,055	15,779	82	92	6,470	6,509
Mountain	12,227	10,919	12.0%	9,707	8,679	2,192	1,921	72	67	257	252
Arizona	2,963	1,893	56.5%	2,376	1,409	565	464	23	21	0	0
Colorado	2,621	1,817	44.3%	2,211	1,526	408	288	0	0	3	3
Idaho	345	402	-14.2%	135	216	180	150	7	7	23	28
Montana	63	62	1.2%	49	46	13	14	0	0	1	1
Nevada	3,824	4,063	-5.9%	3,401	3,656	366	364	10	10	47	33
New Mexico	1,249	1,430	-12.7%	607	797	624	615	18	17	0	0
Utah	1,025	1,125	-8.9%	906	1,014	36	25	14	13	69	73
Wyoming	138	128	7.9%	24	15	0	0	0	0	114	113
Pacific Contiguous	16,657	17,037	-2.2%	6,908	6,664	7,746	8,322	321	321	1,682	1,729
California	13,236	13,489	-1.9%	5,218	4,994	6,064	6,493	309	310	1,646	1,692
Oregon	2,129	2,197	-3.1%	926	768	1,181	1,407	8	8	14	14
Washington	1,292	1,350	-4.3%	764	901	500	422	4	4	23	23
Pacific Noncontiguous	428	364	17.4%	419	351	0	0	0	2	8	12
Alaska	428	364	17.4%	419	351	0	0	0	2	8	12
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	205,918	172,487	19.4%	100,565	83,324	89,087	73,112	1,228	1,213	15,039	14,838

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

Table 1.8.A. Utility Scale Facility Net Generation from Other Gases by State, by Sector, February 2018 and 2017 (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 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
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	62	72	-14.9%	0	0	0	0	0	0	62	72
New Jersey	18	18	1.1%	0	0	0	0	0	0	18	18
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	44	55	-20.0%	0	0	0	0	0	0	44	55
East North Central	419	519	-19.2%	18	19	172	188	0	0	229	312
Illinois	16	19	-15.3%	0	0	0	0	0	0	16	19
Indiana	206	278	-25.8%	NM	NM	0	0	0	0	205	276
Michigan	144	143	1.2%	17	17	127	125	0	0	0	0
Ohio	53	79	-33.4%	0	0	45	63	0	0	8	16
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	4	4	-8.8%	0	0	0	0	0	0	4	4
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	4	4	-8.8%	0	0	0	0	0	0	4	4
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	15	49	-69.7%	0	0	0	0	0	0	15	49
Delaware	12	46	-73.6%	0	0	0	0	0	0	12	46
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	-10.2%	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	2	2	0.7%	0	0	0	0	0	0	2	2
East South Central	NM	2	NM	0	0	0	0	0	0	NM	2
Alabama	NM	NM	NM	0	0	0	0	0	0	NM	NM
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	1	-44.4%	0	0	0	0	0	0	0	1
West South Central	380	379	0.2%	0	0	110	105	0	0	270	274
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	173	179	-3.4%	0	0	0	0	0	0	173	179
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	207	200	3.5%	0	0	110	105	0	0	98	95
Mountain	34	39	-12.0%	0	0	1	1	0	0	33	38
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	-33.7%	0	0	1	1	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	5	-99.9%	0	0	0	0	0	0	0	5
Wyoming	33	33	1.4%	0	0	0	0	0	0	33	33
Pacific Contiguous	174	121	43.7%	0	0	30	22	0	0	145	99
California	145	99	46.2%	0	0	0	0	0	0	145	99
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	30	22	32.5%	0	0	30	22	0	0	0	0
Pacific Noncontiguous	3	5	-39.9%	0	0	0	0	0	0	3	5
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	3	5	-39.9%	0	0	0	0	0	0	3	5
U.S. Total	1,092	1,191	-8.3%	18	19	313	317	0	0	762	855

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

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

by State, by Sector, Year-to-Date through February 2018 and 2017 (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 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 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	120	138	-12.9%	0	0	0	0	0	0	120	138
New Jersey	37	37	0.0%	0	0	0	0	0	0	37	37
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	83	101	-17.7%	0	0	0	0	0	0	83	101
East North Central	822	977	-15.8%	44	33	331	375	0	0	447	568
Illinois	22	36	-39.7%	0	0	0	0	0	0	22	36
Indiana	411	505	-18.7%	NM	NM	0	0	0	0	410	503
Michigan	288	293	-1.8%	43	31	245	263	0	0	0	0
Ohio	101	142	-28.6%	0	0	86	112	0	0	15	29
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	8	8	5.8%	0	0	0	0	0	0	8	8
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	8	8	5.8%	0	0	0	0	0	0	8	8
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	35	79	-56.1%	0	0	0	0	0	0	35	79
Delaware	30	74	-59.3%	0	0	0	0	0	0	30	74
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1	1	-2.4%	0	0	0	0	0	0	1	1
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	4	5	-13.0%	0	0	0	0	0	0	4	5
East South Central	NM	5	NM	0	0	0	0	0	0	NM	5
Alabama	NM	3	NM	0	0	0	0	0	0	NM	3
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	1	2	-48.2%	0	0	0	0	0	0	1	2
West South Central	756	786	-3.8%	0	0	219	217	0	0	538	569
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	347	374	-7.2%	0	0	0	0	0	0	347	374
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	410	412	-0.6%	0	0	219	217	0	0	191	195
Mountain	71	76	-6.2%	0	0	1	3	0	0	70	73
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	3	-67.8%	0	0	1	3	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	5	-99.8%	0	0	0	0	0	0	0	5
Wyoming	70	68	2.8%	0	0	0	0	0	0	70	68
Pacific Contiguous	331	235	40.5%	0	0	66	59	0	0	265	176
California	265	176	50.5%	0	0	0	0	0	0	265	176
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	66	59	10.9%	0	0	66	59	0	0	0	0
Pacific Noncontiguous	7	8	-9.4%	0	0	0	0	0	0	7	8
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	7	8	-9.4%	0	0	0	0	0	0	7	8
U.S. Total	2,152	2,311	-6.9%	44	33	616	654	0	0	1,492	1,624

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 1.9.A. Utility Scale Facility Net Generation from Nuclear Energy by State, by Sector, February 2018 and 2017 (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 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	2,704	2,590	4.4%	0	0	2,704	2,590	0	0	0	0
Connecticut	1,408	1,405	0.2%	0	0	1,408	1,405	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	456	344	32.4%	0	0	456	344	0	0	0	0
New Hampshire	841	840	0.0%	0	0	841	840	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	12,904	12,649	2.0%	0	0	12,904	12,649	0	0	0	0
New Jersey	2,824	2,788	1.3%	0	0	2,824	2,788	0	0	0	0
New York	3,318	3,037	9.2%	0	0	3,318	3,037	0	0	0	0
Pennsylvania	6,762	6,824	-0.9%	0	0	6,762	6,824	0	0	0	0
East North Central	12,722	11,968	6.3%	2,284	2,255	10,438	9,714	0	0	0	0
Illinois	7,637	7,041	8.5%	0	0	7,637	7,041	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	2,836	2,801	1.3%	2,284	2,255	552	546	0	0	0	0
Ohio	1,437	1,317	9.1%	0	0	1,437	1,317	0	0	0	0
Wisconsin	812	809	0.3%	0	0	812	809	0	0	0	0
West North Central	3,772	3,789	-0.5%	3,362	3,378	410	411	0	0	0	0
Iowa	410	411	-0.2%	0	0	410	411	0	0	0	0
Kansas	823	824	-0.1%	823	824	0	0	0	0	0	0
Minnesota	1,190	1,190	-0.1%	1,190	1,190	0	0	0	0	0	0
Missouri	829	828	0.1%	829	828	0	0	0	0	0	0
Nebraska	520	536	-2.9%	520	536	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	15,981	15,148	5.5%	15,021	14,294	960	854	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	2,483	2,083	19.2%	2,483	2,083	0	0	0	0	0	0
Georgia	2,204	2,169	1.6%	2,204	2,169	0	0	0	0	0	0
Maryland	960	854	12.5%	0	0	960	854	0	0	0	0
North Carolina	3,323	3,301	0.7%	3,323	3,301	0	0	0	0	0	0
South Carolina	4,532	4,293	5.6%	4,532	4,293	0	0	0	0	0	0
Virginia	2,480	2,448	1.3%	2,480	2,448	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	6,544	7,049	-7.2%	6,544	7,049	0	0	0	0	0	0
Alabama	2,796	3,157	-11.4%	2,796	3,157	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	649	725	-10.5%	649	725	0	0	0	0	0	0
Tennessee	3,099	3,166	-2.1%	3,099	3,166	0	0	0	0	0	0
West South Central	5,837	5,401	8.1%	2,404	1,968	3,432	3,433	0	0	0	0
Arkansas	1,252	1,192	5.0%	1,252	1,192	0	0	0	0	0	0
Louisiana	1,152	776	48.5%	1,152	776	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3,432	3,433	0.0%	0	0	3,432	3,433	0	0	0	0
Mountain	2,556	2,684	-4.8%	2,556	2,684	0	0	0	0	0	0
Arizona	2,556	2,684	-4.8%	2,556	2,684	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,771	2,283	-22.5%	1,771	2,283	0	0	0	0	0	0
California	983	1,526	-35.6%	983	1,526	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	788	757	4.1%	788	757	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	64,790	63,560	1.9%	33,941	33,911	30,849	29,650	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 1.9.B. Utility Scale Facility Net Generation from Nuclear Energy

by State, by Sector, Year-to-Date through February 2018 and 2017 (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 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
New England	5,590	5,578	0.2%	0	0	5,590	5,578	0	0	0	0
Connecticut	2,970	2,958	0.4%	0	0	2,970	2,958	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	849	849	-0.1%	0	0	849	849	0	0	0	0
New Hampshire	1,771	1,771	0.0%	0	0	1,771	1,771	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	27,698	26,901	3.0%	0	0	27,698	26,901	0	0	0	0
New Jersey	5,938	5,937	0.0%	0	0	5,938	5,937	0	0	0	0
New York	7,347	6,525	12.6%	0	0	7,347	6,525	0	0	0	0
Pennsylvania	14,413	14,438	-0.2%	0	0	14,413	14,438	0	0	0	0
East North Central	27,285	26,230	4.0%	4,853	4,665	22,432	21,566	0	0	0	0
Illinois	16,490	15,822	4.2%	0	0	16,490	15,822	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	6,016	5,817	3.4%	4,853	4,665	1,163	1,152	0	0	0	0
Ohio	3,067	2,885	6.3%	0	0	3,067	2,885	0	0	0	0
Wisconsin	1,712	1,706	0.3%	0	0	1,712	1,706	0	0	0	0
West North Central	7,975	7,956	0.2%	7,110	7,086	864	870	0	0	0	0
Iowa	864	870	-0.6%	0	0	864	870	0	0	0	0
Kansas	1,735	1,737	-0.1%	1,735	1,737	0	0	0	0	0	0
Minnesota	2,506	2,477	1.2%	2,506	2,477	0	0	0	0	0	0
Missouri	1,748	1,736	0.7%	1,748	1,736	0	0	0	0	0	0
Nebraska	1,121	1,136	-1.3%	1,121	1,136	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	34,708	33,821	2.6%	32,402	31,637	2,306	2,183	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	5,255	4,819	9.1%	5,255	4,819	0	0	0	0	0	0
Georgia	5,271	5,097	3.4%	5,271	5,097	0	0	0	0	0	0
Maryland	2,306	2,183	5.6%	0	0	2,306	2,183	0	0	0	0
North Carolina	7,042	7,187	-2.0%	7,042	7,187	0	0	0	0	0	0
South Carolina	9,567	9,322	2.6%	9,567	9,322	0	0	0	0	0	0
Virginia	5,266	5,212	1.0%	5,266	5,212	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	14,313	13,774	3.9%	14,313	13,774	0	0	0	0	0	0
Alabama	6,557	6,837	-4.1%	6,557	6,837	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	1,152	712	61.7%	1,152	712	0	0	0	0	0	0
Tennessee	6,604	6,224	6.1%	6,604	6,224	0	0	0	0	0	0
West South Central	12,031	11,989	0.4%	4,790	4,741	7,241	7,247	0	0	0	0
Arkansas	2,626	2,472	6.2%	2,626	2,472	0	0	0	0	0	0
Louisiana	2,164	2,269	-4.6%	2,164	2,269	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	7,241	7,247	-0.1%	0	0	7,241	7,247	0	0	0	0
Mountain	5,540	5,664	-2.2%	5,540	5,664	0	0	0	0	0	0
Arizona	5,540	5,664	-2.2%	5,540	5,664	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	4,299	4,769	-9.9%	4,299	4,769	0	0	0	0	0	0
California	2,649	3,171	-16.5%	2,649	3,171	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	1,650	1,597	3.3%	1,650	1,597	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	139,439	136,681	2.0%	73,307	72,336	66,132	64,345	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 1.10.A. Utility Scale Facility Net Generation from Hydroelectric (Conventional) Power by State, by Sector, February 2018 and 2017 (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 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	589	531	11.0%	80	71	476	431	0	0	32	29
Connecticut	26	20	28.1%	4	2	22	19	0	0	0	0
Maine	272	254	7.2%	0	0	240	225	0	0	32	28
Massachusetts	72	64	13.1%	NM	14	55	50	0	0	1	1
New Hampshire	117	100	17.6%	25	23	93	77	0	0	0	0
Rhode Island	0	0	25.3%	0	0	0	0	0	0	0	0
Vermont	101	93	9.1%	35	32	66	61	0	0	0	0
Middle Atlantic	2,513	2,405	4.5%	1,921	1,873	586	526	0	0	6	6
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	2,268	2,189	3.6%	1,911	1,863	351	320	0	0	6	6
Pennsylvania	241	214	12.3%	10	10	230	204	0	0	0	0
East North Central	541	496	9.1%	478	435	47	43	0	0	16	NM
Illinois	10	11	-10.8%	NM	5	NM	6	0	0	0	0
Indiana	38	36	6.1%	38	36	0	0	0	0	0	0
Michigan	163	143	13.9%	149	131	NM	NM	0	0	NM	NM
Ohio	45	42	7.8%	29	27	16	15	0	0	0	0
Wisconsin	286	265	8.0%	259	238	NM	NM	0	0	14	NM
West North Central	1,144	947	20.8%	1,109	910	25	NM	0	0	NM	13
Iowa	94	91	4.0%	94	90	0	1	0	0	0	0
Kansas	2	2	8.5%	0	0	2	2	0	0	0	0
Minnesota	123	118	4.0%	90	84	NM	NM	0	0	NM	13
Missouri	122	108	13.1%	122	108	0	0	0	0	0	0
Nebraska	162	144	12.2%	162	144	0	0	0	0	0	0
North Dakota	202	161	25.7%	202	161	0	0	0	0	0	0
South Dakota	439	324	35.7%	439	324	0	0	0	0	0	0
South Atlantic	1,497	1,303	14.9%	1,160	1,011	290	248	1	1	45	43
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	17	15	10.2%	17	15	0	0	0	0	0	0
Georgia	273	256	6.8%	271	254	NM	NM	0	0	1	1
Maryland	236	205	15.2%	0	0	236	205	0	0	0	0
North Carolina	427	358	19.1%	420	354	NM	NM	1	1	NM	NM
South Carolina	259	214	20.8%	251	210	NM	NM	0	0	0	0
Virginia	143	121	18.0%	136	115	NM	6	0	0	0	0
West Virginia	143	135	6.6%	66	63	34	30	0	0	44	41
East South Central	1,845	1,606	14.9%	1,844	1,605	NM	NM	0	0	0	0
Alabama	856	698	22.6%	856	698	0	0	0	0	0	0
Kentucky	327	318	2.9%	326	317	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	662	590	12.2%	662	590	0	0	0	0	0	0
West South Central	827	741	11.6%	724	643	102	97	NM	NM	0	0
Arkansas	341	302	12.8%	338	300	NM	NM	0	0	0	0
Louisiana	97	93	4.1%	0	0	97	93	0	0	0	0
Oklahoma	243	220	10.1%	243	220	0	0	0	0	0	0
Texas	147	125	17.1%	144	122	3	3	NM	NM	0	0
Mountain	3,174	2,635	20.4%	3,042	2,529	131	105	0	0	0	0
Arizona	594	551	7.8%	594	551	0	0	0	0	0	0
Colorado	203	164	24.0%	179	145	NM	NM	0	0	0	0
Idaho	952	792	20.1%	865	722	86	70	0	0	0	0
Montana	1,062	900	18.0%	1,047	887	NM	NM	0	0	0	0
Nevada	156	63	146.6%	151	60	NM	NM	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	81	64	26.2%	80	63	1	1	0	0	0	0
Wyoming	102	82	24.0%	102	82	0	0	0	0	0	0
Pacific Contiguous	13,277	13,726	-3.3%	13,132	13,458	144	266	1	2	0	0
California	1,174	3,561	-67.0%	1,107	3,361	66	197	1	2	0	0
Oregon	3,722	3,447	8.0%	3,693	3,422	29	NM	0	0	0	0
Washington	8,381	6,718	24.8%	8,333	6,674	49	44	0	0	0	0
Pacific Noncontiguous	185	152	21.9%	161	133	2	0	NM	NM	NM	NM
Alaska	178	148	20.3%	159	132	0	0	NM	NM	0	0
Hawaii	7	NM	NM	2	1	2	0	0	0	NM	NM
U.S. Total	25,593	24,542	4.3%	23,653	22,668	1,804	1,741	NM	NM	114	112

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

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

by State, by Sector, Year-to-Date through February 2018 and 2017 (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 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
New England	1,121	1,151	-2.7%	151	155	906	934	1	1	63	61
Connecticut	46	46	-0.9%	6	3	40	43	0	0	0	0
Maine	530	540	-1.9%	0	0	468	480	0	0	62	60
Massachusetts	136	142	-4.2%	29	31	105	108	1	1	1	1
New Hampshire	215	221	-2.8%	48	49	167	172	0	0	0	0
Rhode Island	0	0	23.1%	0	0	0	0	0	0	0	0
Vermont	194	202	-3.9%	67	71	127	131	0	0	0	0
Middle Atlantic	4,972	5,049	-1.5%	3,852	3,886	1,108	1,150	1	1	12	12
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	4,520	4,575	-1.2%	3,835	3,869	672	692	1	1	12	12
Pennsylvania	446	471	-5.4%	17	17	429	454	0	0	0	0
East North Central	1,113	1,055	5.6%	985	924	94	92	0	0	35	38
Illinois	21	22	-8.3%	7	8	13	14	0	0	0	0
Indiana	74	75	-2.1%	74	75	0	0	0	0	0	0
Michigan	334	303	10.1%	306	278	NM	NM	0	0	NM	NM
Ohio	88	91	-3.0%	56	58	32	33	0	0	0	0
Wisconsin	597	563	6.1%	541	505	27	NM	0	0	30	32
West North Central	2,265	2,022	12.0%	2,190	1,944	52	51	0	0	22	27
Iowa	202	193	4.5%	201	192	1	1	0	0	0	0
Kansas	4	5	-27.1%	0	0	4	5	0	0	0	0
Minnesota	260	250	3.9%	190	178	48	44	0	0	22	27
Missouri	226	240	-5.6%	226	240	0	0	0	0	0	0
Nebraska	335	307	9.2%	335	307	0	0	0	0	0	0
North Dakota	398	341	16.8%	398	341	0	0	0	0	0	0
South Dakota	840	686	22.4%	840	686	0	0	0	0	0	0
South Atlantic	2,738	2,927	-6.5%	2,126	2,304	521	530	2	2	89	91
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	31	33	-4.3%	31	33	0	0	0	0	0	0
Georgia	513	585	-12.3%	509	581	NM	NM	0	0	2	2
Maryland	423	432	-2.0%	0	0	423	432	0	0	0	0
North Carolina	767	814	-5.8%	755	804	9	NM	1	2	NM	NM
South Carolina	459	499	-8.0%	447	490	12	9	0	0	0	0
Virginia	265	278	-4.5%	253	264	12	13	0	0	0	0
West Virginia	280	287	-2.5%	130	132	64	67	0	0	86	88
East South Central	3,426	3,615	-5.2%	3,424	3,613	NM	NM	0	0	0	0
Alabama	1,501	1,622	-7.4%	1,501	1,622	0	0	0	0	0	0
Kentucky	686	686	-0.1%	684	685	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	1,238	1,307	-5.3%	1,238	1,307	0	0	0	0	0	0
West South Central	1,556	1,633	-4.7%	1,351	1,427	204	205	NM	NM	0	0
Arkansas	638	670	-4.8%	632	665	NM	NM	0	0	0	0
Louisiana	192	194	-1.1%	0	0	192	194	0	0	0	0
Oklahoma	461	481	-4.2%	461	481	0	0	0	0	0	0
Texas	265	287	-7.7%	259	281	6	6	NM	NM	0	0
Mountain	6,325	5,614	12.7%	6,063	5,391	261	223	1	1	0	0
Arizona	1,171	1,173	-0.2%	1,171	1,173	0	0	0	0	0	0
Colorado	390	347	12.5%	343	308	47	NM	1	1	0	0
Idaho	1,912	1,683	13.6%	1,740	1,535	171	148	0	0	0	0
Montana	2,150	1,911	12.5%	2,119	1,884	30	NM	0	0	0	0
Nevada	291	148	97.3%	282	142	NM	NM	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	160	137	17.1%	157	134	3	3	0	0	0	0
Wyoming	203	175	15.8%	203	175	0	0	0	0	0	0
Pacific Contiguous	27,129	29,003	-6.5%	26,811	28,441	316	559	2	4	0	0
California	2,764	7,424	-62.8%	2,607	7,007	156	414	2	4	0	0
Oregon	7,777	7,111	9.4%	7,718	7,059	59	52	0	0	0	0
Washington	16,588	14,468	14.7%	16,487	14,375	101	93	0	0	0	0
Pacific Noncontiguous	371	326	13.8%	322	283	5	3	38	34	NM	NM
Alaska	358	315	13.7%	320	281	0	0	38	34	0	0
Hawaii	13	11	16.4%	2	3	5	3	0	0	NM	NM
U.S. Total	51,015	52,395	-2.6%	47,274	48,368	3,469	3,748	45	44	227	235

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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 2018 and 2017 (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 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	1,037	927	11.9%	80	74	850	750	16	15	90	88
Connecticut	70	66	5.8%	0	0	70	66	0	0	NM	0
Maine	467	435	7.3%	0	0	369	341	8	6	90	88
Massachusetts	197	150	32.0%	7	NM	186	139	4	4	0	0
New Hampshire	181	178	1.3%	24	25	153	150	4	4	0	0
Rhode Island	34	29	17.1%	0	0	33	28	1	1	0	0
Vermont	88	69	27.7%	49	43	40	26	0	0	0	0
Middle Atlantic	1,359	1,145	18.7%	6	4	1,232	1,024	54	47	67	71
New Jersey	157	126	24.4%	6	4	125	101	25	20	NM	NM
New York	653	518	25.9%	0	0	619	486	17	15	17	17
Pennsylvania	549	500	9.8%	0	0	488	436	12	12	49	53
East North Central	3,064	2,671	14.7%	374	315	2,538	2,216	15	17	136	122
Illinois	1,232	1,113	10.7%	3	NM	1,228	1,110	NM	NM	0	0
Indiana	570	451	26.3%	33	29	528	414	2	2	7	7
Michigan	707	638	10.9%	188	179	456	406	9	9	55	44
Ohio	225	228	-1.4%	NM	NM	197	202	1	1	24	23
Wisconsin	330	241	37.1%	147	104	130	84	3	4	50	48
West North Central	6,643	6,642	0.0%	2,053	2,236	4,519	4,334	16	16	54	57
Iowa	1,897	1,997	-5.0%	1,183	1,299	707	691	5	3	2	4
Kansas	1,593	1,445	10.2%	159	74	1,432	1,371	NM	NM	0	0
Minnesota	1,263	1,229	2.7%	251	281	956	892	NM	NM	51	52
Missouri	278	168	65.5%	3	NM	269	158	5	6	0	0
Nebraska	440	530	-17.0%	22	22	417	506	1	2	0	0
North Dakota	936	951	-1.5%	364	452	572	497	0	0	NM	NM
South Dakota	237	322	-26.6%	71	104	166	218	0	0	0	0
South Atlantic	2,786	2,258	23.4%	369	229	1,511	1,114	27	29	878	886
Delaware	10	8	21.1%	NM	NM	7	6	1	1	NM	1
District of Columbia	5	4	46.7%	0	0	5	4	0	0	0	0
Florida	602	458	31.4%	148	52	282	234	4	4	168	168
Georgia	559	513	9.1%	20	17	203	161	NM	NM	336	335
Maryland	115	107	7.2%	NM	NM	102	95	2	2	10	10
North Carolina	680	497	36.7%	25	13	537	378	9	7	109	100
South Carolina	244	221	10.3%	35	35	65	37	0	0	144	149
Virginia	393	326	20.5%	140	112	131	76	11	15	111	123
West Virginia	178	123	44.7%	0	0	178	123	0	0	0	0
East South Central	548	512	7.1%	13	8	82	47	NM	NM	453	457
Alabama	298	278	7.3%	NM	0	40	31	0	0	255	247
Kentucky	39	37	6.0%	10	8	0	1	0	0	28	28
Mississippi	117	113	3.1%	0	0	17	NM	0	0	100	112
Tennessee	95	84	12.1%	0	0	24	14	NM	NM	70	70
West South Central	9,153	8,524	7.4%	134	161	8,602	7,928	7	4	409	431
Arkansas	134	125	7.2%	NM	NM	18	11	0	0	115	114
Louisiana	205	227	-9.7%	NM	0	7	6	0	0	198	221
Oklahoma	2,378	2,181	9.1%	112	138	2,242	2,019	0	0	25	23
Texas	6,435	5,991	7.4%	22	23	6,336	5,892	7	4	70	73
Mountain	3,605	3,228	11.7%	324	311	3,240	2,879	9	7	32	31
Arizona	380	320	18.9%	51	31	328	288	NM	NM	0	0
Colorado	851	895	-4.9%	26	27	823	866	NM	NM	0	0
Idaho	331	271	21.8%	16	NM	284	241	1	1	30	28
Montana	193	209	-7.6%	19	NM	172	185	0	0	2	2
Nevada	600	480	25.1%	2	2	593	474	4	NM	0	0
New Mexico	618	394	56.9%	16	12	602	382	NM	NM	0	0
Utah	236	246	-3.9%	21	21	214	224	1	1	0	0
Wyoming	396	414	-4.5%	171	195	224	219	0	0	0	0
Pacific Contiguous	6,107	4,986	22.5%	788	586	5,030	4,123	77	76	212	201
California	4,188	3,648	14.8%	153	132	3,906	3,390	73	72	56	54
Oregon	918	527	74.3%	124	59	747	424	2	2	45	41
Washington	1,000	811	23.4%	511	395	377	308	1	1	112	107
Pacific Noncontiguous	121	125	-3.0%	17	19	90	88	14	18	0	0
Alaska	19	NM	NM	10	NM	NM	NM	4	1	0	0
Hawaii	101	108	-6.5%	6	9	85	83	10	16	0	0
U.S. Total	34,422	31,018	11.0%	4,158	3,943	27,696	24,502	236	229	2,332	2,344

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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 2018 and 2017 (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 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
New England	2,109	1,843	14.4%	173	146	1,712	1,476	32	31	192	190
Connecticut	140	136	2.8%	0	0	139	135	0	0	NM	0
Maine	969	857	13.1%	0	0	762	654	15	13	192	190
Massachusetts	378	307	22.9%	NM	NM	355	287	9	9	0	0
New Hampshire	371	350	5.9%	54	52	311	291	6	7	0	0
Rhode Island	69	60	14.9%	0	0	68	59	1	1	0	0
Vermont	183	133	37.5%	105	82	77	50	0	0	0	0
Middle Atlantic	2,654	2,228	19.1%	11	8	2,392	1,978	108	96	143	146
New Jersey	303	257	18.1%	11	8	243	207	48	41	NM	NM
New York	1,243	1,000	24.3%	0	0	1,174	932	33	33	36	36
Pennsylvania	1,108	971	14.1%	0	0	975	840	27	22	106	109
East North Central	6,637	5,095	30.3%	753	598	5,563	4,195	35	36	286	265
Illinois	2,647	2,078	27.4%	6	6	2,640	2,071	NM	NM	0	0
Indiana	1,271	872	45.7%	65	59	1,189	795	3	4	14	14
Michigan	1,541	1,212	27.2%	391	328	1,015	766	20	20	115	99
Ohio	509	452	12.7%	NM	NM	451	398	2	2	52	50
Wisconsin	669	481	39.2%	286	203	269	165	8	9	106	103
West North Central	14,840	12,533	18.4%	4,731	4,155	9,964	8,231	35	33	109	114
Iowa	4,297	3,657	17.5%	2,718	2,379	1,566	1,263	9	7	4	8
Kansas	3,394	2,876	18.0%	330	151	3,061	2,723	NM	NM	0	0
Minnesota	2,723	2,288	19.0%	567	528	2,043	1,647	11	NM	103	104
Missouri	585	300	94.9%	7	6	567	281	10	12	1	1
Nebraska	1,078	994	8.5%	47	42	1,029	948	2	3	0	0
North Dakota	2,164	1,825	18.6%	876	857	1,286	966	0	0	2	2
South Dakota	601	594	1.1%	188	192	413	402	0	0	0	0
South Atlantic	5,586	4,548	22.8%	696	479	2,997	2,207	55	58	1,839	1,804
Delaware	19	17	12.2%	NM	NM	14	12	1	1	2	3
District of Columbia	10	9	7.8%	0	0	10	9	0	0	0	0
Florida	1,191	963	23.7%	243	103	589	502	9	9	351	349
Georgia	1,124	1,011	11.2%	36	33	396	303	NM	NM	691	676
Maryland	232	206	12.8%	NM	NM	208	180	5	4	18	21
North Carolina	1,326	938	41.4%	46	24	1,032	697	17	13	231	204
South Carolina	499	450	10.8%	68	72	128	73	0	0	302	305
Virginia	827	707	16.9%	300	247	262	184	23	31	243	246
West Virginia	358	247	44.7%	0	0	358	247	0	0	0	0
East South Central	1,142	1,057	8.0%	26	17	163	93	NM	NM	953	947
Alabama	604	570	6.0%	5	0	82	62	0	0	517	508
Kentucky	81	75	7.8%	21	17	1	1	0	0	59	57
Mississippi	268	241	11.0%	0	0	38	NM	0	0	229	239
Tennessee	190	171	10.9%	0	0	42	28	NM	NM	148	143
West South Central	19,333	17,057	13.3%	289	314	18,181	15,864	15	10	848	868
Arkansas	272	255	6.4%	NM	NM	41	22	1	1	230	232
Louisiana	431	448	-3.8%	NM	0	14	14	0	0	417	434
Oklahoma	5,142	4,283	20.1%	242	268	4,847	3,962	0	0	53	53
Texas	13,488	12,070	11.7%	47	46	13,280	11,866	14	9	148	149
Mountain	7,329	6,303	16.3%	677	578	6,569	5,647	16	14	67	63
Arizona	713	606	17.5%	87	52	623	553	NM	NM	0	0
Colorado	1,809	1,810	-0.1%	56	55	1,751	1,752	NM	NM	1	1
Idaho	664	511	30.1%	17	NM	582	449	2	2	63	58
Montana	434	384	13.1%	44	41	387	340	0	0	3	3
Nevada	1,159	972	19.3%	5	4	1,146	962	8	5	0	0
New Mexico	1,219	779	56.4%	29	22	1,189	756	NM	NM	0	0
Utah	456	478	-4.5%	44	43	411	433	2	2	0	0
Wyoming	875	762	14.8%	395	359	480	403	0	0	0	0
Pacific Contiguous	11,612	9,861	17.8%	1,422	1,074	9,586	8,214	155	158	449	415
California	8,104	7,410	9.4%	266	280	7,572	6,876	147	150	119	103
Oregon	1,554	960	61.9%	182	95	1,272	772	5	5	95	88
Washington	1,954	1,492	31.0%	974	699	742	566	3	3	235	224
Pacific Noncontiguous	261	246	6.3%	39	31	189	178	34	37	0	0
Alaska	41	32	27.7%	21	NM	NM	NM	8	4	0	0
Hawaii	221	214	3.2%	17	14	177	168	26	33	0	0
U.S. Total	71,505	60,770	17.7%	8,815	7,400	57,316	48,083	486	475	4,887	4,812

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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 2018 and 2017 (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 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	-44	-37	18.2%	0	0	-44	-37	0	0	0	0
Connecticut	-3	-6	-55.4%	0	0	-3	-6	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-41	-31	32.7%	0	0	-41	-31	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	-82	-90	-8.1%	-37	-37	-45	-53	0	0	0	0
New Jersey	-8	-10	-17.3%	-8	-10	0	0	0	0	0	0
New York	-29	-26	8.3%	-29	-26	0	0	0	0	0	0
Pennsylvania	-45	-53	-14.6%	0	0	-45	-53	0	0	0	0
East North Central	-42	-32	33.1%	-42	-32	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	-42	-32	33.1%	-42	-32	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	5	4	7.2%	5	4	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	5	4	7.2%	5	4	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	-125	-207	-39.6%	-125	-207	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	-32	-108	-70.1%	-32	-108	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	-9	-44	-79.4%	-9	-44	0	0	0	0	0	0
Virginia	-84	-55	52.1%	-84	-55	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-45	-26	72.6%	-45	-26	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	-45	-26	72.6%	-45	-26	0	0	0	0	0	0
West South Central	-6	-7	-15.7%	-6	-7	0	0	0	0	0	0
Arkansas	0	0	-536.5%	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-6	-7	-11.0%	-6	-7	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-43	-30	42.2%	-43	-30	0	0	0	0	0	0
Arizona	-14	-7	88.6%	-14	-7	0	0	0	0	0	0
Colorado	-29	-23	26.9%	-29	-23	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	68	-83	-181.4%	68	-83	0	0	0	0	0	0
California	55	-83	-166.1%	55	-83	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	13	-1	NM	13	-1	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	-315	-508	-38.0%	-226	-418	-89	-90	0	0	0	0

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

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

by State, by Sector, Year-to-Date through February 2018 and 2017 (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 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
New England	-69	-77	-11.2%	0	0	-69	-77	0	0	0	0
Connecticut	-3	-6	-44.2%	0	0	-3	-6	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-65	-72	-8.6%	0	0	-65	-72	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	-184	-187	-1.6%	-91	-84	-93	-103	0	0	0	0
New Jersey	-19	-24	-23.2%	-19	-24	0	0	0	0	0	0
New York	-72	-60	20.2%	-72	-60	0	0	0	0	0	0
Pennsylvania	-93	-103	-9.3%	0	0	-93	-103	0	0	0	0
East North Central	-104	-88	17.8%	-104	-88	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	-104	-88	17.8%	-104	-88	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	-3	-4	-13.0%	-3	-4	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	-3	-4	-13.0%	-3	-4	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	-335	-522	-35.8%	-335	-522	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	-120	-240	-49.9%	-120	-240	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	-61	-141	-56.9%	-61	-141	0	0	0	0	0	0
Virginia	-154	-141	9.1%	-154	-141	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-89	-83	6.5%	-89	-83	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	-89	-83	6.5%	-89	-83	0	0	0	0	0	0
West South Central	-14	-13	9.5%	-14	-13	0	0	0	0	0	0
Arkansas	2	1	102.2%	2	1	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-16	-14	16.3%	-16	-14	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-90	-78	14.5%	-90	-78	0	0	0	0	0	0
Arizona	-31	-26	17.9%	-31	-26	0	0	0	0	0	0
Colorado	-58	-52	12.7%	-58	-52	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	24	109	-78.0%	24	109	0	0	0	0	0	0
California	5	110	-95.4%	5	110	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	19	-1	NM	19	-1	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	-862	-943	-8.6%	-701	-763	-162	-180	0	0	0	0

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

Table 1.13.A. Utility Scale Facility Net Generation from Other Energy Sources by State, by Sector, February 2018 and 2017 (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 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	146	132	11.3%	0	0	127	114	7	5	12	12
Connecticut	41	38	8.1%	0	0	41	38	0	0	0	0
Maine	32	30	7.4%	0	0	13	12	7	5	12	12
Massachusetts	69	59	16.1%	0	0	69	59	0	0	0	0
New Hampshire	4	4	0.7%	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	175	179	-2.6%	0	0	141	143	33	31	0	6
New Jersey	40	45	-11.6%	0	0	28	29	12	11	0	6
New York	65	63	4.0%	0	0	51	49	15	13	0	0
Pennsylvania	69	71	-2.7%	0	0	62	65	7	6	0	0
East North Central	67	56	20.2%	1	1	10	5	10	10	45	39
Illinois	21	13	53.8%	0	0	-1	-2	0	0	22	16
Indiana	19	20	-7.9%	0	0	0	0	2	2	17	19
Michigan	22	18	23.7%	0	0	11	8	9	9	2	1
Ohio	1	0	-581.9%	0	0	0	-1	0	0	1	1
Wisconsin	4	5	-1.5%	1	1	0	0	0	0	NM	3
West North Central	34	30	14.0%	15	12	11	13	3	3	6	3
Iowa	0	0	-100.0%	0	0	0	0	0	0	0	0
Kansas	0	0	-6.3%	0	0	0	0	0	0	0	0
Minnesota	30	26	15.9%	11	8	11	13	3	3	5	2
Missouri	1	0	84.8%	1	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	3	4	-3.8%	3	4	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	354	333	6.2%	0	0	200	179	9	14	145	140
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	236	241	-2.1%	0	0	125	133	0	0	112	108
Georgia	8	9	-9.4%	0	0	0	0	0	0	8	9
Maryland	25	24	4.0%	0	0	25	24	0	0	0	0
North Carolina	46	40	12.4%	0	0	23	21	0	0	22	20
South Carolina	3	4	-19.0%	0	0	0	0	0	0	3	3
Virginia	37	15	139.9%	0	0	27	2	9	14	0	0
West Virginia	-1	-1	2.9%	0	0	-1	-1	0	0	0	0
East South Central	4	6	-38.7%	3	4	0	0	0	0	NM	2
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	3	4	-35.3%	3	4	0	0	0	0	0	0
Mississippi	0	0	-100.0%	0	0	0	0	0	0	0	0
Tennessee	NM	2	NM	0	0	0	0	0	0	NM	2
West South Central	78	95	-17.3%	0	0	13	10	0	0	65	85
Arkansas	NM	NM	NM	0	0	0	0	0	0	NM	NM
Louisiana	45	47	-3.1%	0	0	0	0	0	0	45	47
Oklahoma	5	2	158.1%	0	0	4	3	0	0	0	-1
Texas	27	46	-40.0%	0	0	9	7	0	0	19	38
Mountain	58	59	-2.4%	3	3	26	28	0	0	29	28
Arizona	0	0	-10.0%	0	0	0	0	0	0	0	0
Colorado	5	5	-3.8%	0	0	1	2	0	0	3	3
Idaho	5	6	-1.8%	0	0	0	0	0	0	5	6
Montana	25	27	-5.6%	0	0	25	27	0	0	0	0
Nevada	3	3	-11.8%	3	3	0	0	0	0	0	0
New Mexico	0	0	5.8%	0	0	0	0	0	0	0	0
Utah	13	14	-3.7%	0	0	0	0	0	0	13	14
Wyoming	7	6	20.8%	0	0	0	0	0	0	7	6
Pacific Contiguous	59	71	-16.7%	0	-1	22	19	0	0	37	52
California	51	65	-21.2%	0	-1	14	13	0	0	37	52
Oregon	3	3	5.2%	0	0	3	3	0	0	0	0
Washington	5	3	61.4%	0	0	5	3	0	0	0	0
Pacific Noncontiguous	24	29	-18.0%	14	12	0	1	10	16	0	0
Alaska	0	0	-29.8%	0	0	0	0	0	0	0	0
Hawaii	24	29	-18.1%	14	12	0	1	10	16	0	0
U.S. Total	999	990	0.9%	35	31	550	513	73	78	340	367

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

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

by State, by Sector, Year-to-Date through February 2018 and 2017 (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 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
New England	291	285	1.9%	0	0	253	249	14	11	24	24
Connecticut	82	81	0.6%	0	0	82	81	0	0	0	0
Maine	65	63	1.8%	0	0	26	28	14	11	24	24
Massachusetts	136	132	3.0%	0	0	136	132	0	0	0	0
New Hampshire	8	8	-1.8%	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	371	374	-0.9%	0	0	294	298	71	65	6	12
New Jersey	95	99	-4.4%	0	0	64	64	25	24	6	12
New York	131	131	0.3%	0	0	101	101	30	30	0	0
Pennsylvania	145	145	0.5%	0	0	129	133	16	11	0	0
East North Central	150	121	24.8%	2	2	21	12	22	22	105	84
Illinois	44	34	28.5%	0	0	-2	-4	0	0	46	39
Indiana	48	39	22.1%	0	0	0	0	3	3	45	36
Michigan	46	39	18.6%	0	0	23	17	19	19	4	2
Ohio	2	0	NM	0	-1	0	-1	0	0	3	1
Wisconsin	10	8	19.9%	3	3	0	0	0	0	7	6
West North Central	68	68	0.2%	28	29	23	25	6	6	11	8
Iowa	0	0	-100.0%	0	0	0	0	0	0	0	0
Kansas	1	0	87.3%	0	0	0	0	0	0	1	0
Minnesota	59	59	0.6%	21	21	23	25	6	6	11	7
Missouri	1	1	-4.7%	1	1	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	7	8	-7.1%	7	8	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	742	706	5.2%	0	0	414	391	20	27	308	287
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	499	0.6%	0	0	262	277	0	0	240	222
Georgia	18	17	2.7%	0	0	0	0	0	0	18	17
Maryland	52	50	4.9%	0	0	52	50	0	0	0	0
North Carolina	97	79	22.3%	0	0	52	38	0	0	45	41
South Carolina	5	8	-30.1%	0	0	1	1	0	0	5	7
Virginia	70	55	27.3%	0	0	50	27	20	27	0	0
West Virginia	-2	-2	-0.5%	0	0	-2	-2	0	0	0	0
East South Central	8	8	2.5%	6	4	0	0	0	0	NM	4
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	6	4	53.9%	6	4	0	0	0	0	0	0
Mississippi	0	1	-100.0%	0	0	0	0	0	0	0	1
Tennessee	NM	4	NM	0	0	0	0	0	0	NM	4
West South Central	172	191	-9.8%	0	0	28	19	0	0	144	172
Arkansas	NM	NM	NM	0	0	0	0	0	0	NM	NM
Louisiana	88	92	-3.8%	0	0	0	0	0	0	88	92
Oklahoma	9	3	188.0%	0	0	9	5	0	0	0	-2
Texas	73	95	-22.7%	0	0	19	13	0	0	55	81
Mountain	123	115	6.7%	5	6	54	56	0	0	63	53
Arizona	0	0	-6.1%	0	0	0	0	0	0	0	0
Colorado	11	10	9.2%	0	0	4	3	0	0	7	7
Idaho	12	9	35.2%	0	0	0	0	0	0	12	9
Montana	51	53	-4.7%	0	0	51	53	0	0	0	0
Nevada	6	6	-7.0%	6	6	0	0	0	0	0	0
New Mexico	0	0	-2.5%	0	0	0	0	0	0	0	0
Utah	30	26	16.4%	0	0	0	0	0	0	30	26
Wyoming	14	12	21.5%	0	0	0	0	0	0	14	12
Pacific Contiguous	132	145	-9.0%	-1	-1	45	40	0	0	88	107
California	116	132	-12.4%	0	-1	29	27	0	0	88	107
Oregon	7	6	3.9%	0	0	7	7	0	0	0	0
Washington	10	7	48.3%	0	0	10	7	0	0	0	0
Pacific Noncontiguous	56	62	-10.1%	30	29	0	2	25	31	0	0
Alaska	0	-1	-35.0%	0	-1	0	0	0	0	0	0
Hawaii	56	62	-10.3%	31	29	0	2	25	31	0	0
U.S. Total	2,114	2,075	1.9%	72	68	1,132	1,093	159	163	751	750

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 2018 and 2017 (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 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	359	294	22.3%	23	NM	333	272	2	3	0	0
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	235	204	15.1%	0	0	235	204	0	0	0	0
Massachusetts	22	NM	NM	NM	NM	15	NM	2	2	0	0
New Hampshire	47	34	36.5%	0	0	47	34	0	0	0	0
Rhode Island	15	12	26.2%	0	0	15	11	1	1	0	0
Vermont	38	NM	NM	18	NM	20	NM	0	0	0	0
Middle Atlantic	812	634	28.0%	0	0	811	634	NM	0	0	0
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	459	333	37.7%	0	0	458	333	NM	0	0	0
Pennsylvania	350	299	17.1%	0	0	350	299	0	0	0	0
East North Central	2,546	2,196	16.0%	291	251	2,247	1,939	NM	NM	7	NM
Illinois	1,191	1,071	11.3%	NM	NM	1,189	1,069	NM	NM	0	0
Indiana	509	400	27.4%	0	0	509	400	0	0	0	0
Michigan	493	444	11.1%	183	177	310	266	0	0	0	0
Ohio	160	165	-2.9%	NM	NM	152	160	0	0	NM	NM
Wisconsin	193	117	64.8%	105	72	87	44	0	0	1	1
West North Central	6,363	6,413	-0.8%	2,009	2,197	4,350	4,211	NM	NM	0	0
Iowa	1,878	1,984	-5.4%	1,181	1,297	697	686	0	1	0	0
Kansas	1,587	1,441	10.2%	159	74	1,427	1,366	NM	NM	0	0
Minnesota	1,034	1,043	-0.8%	219	254	812	786	NM	NM	0	0
Missouri	260	152	70.9%	0	0	260	152	0	0	0	0
Nebraska	432	522	-17.2%	16	NM	416	505	0	0	0	0
North Dakota	935	950	-1.5%	364	452	572	497	0	0	0	0
South Dakota	236	322	-26.7%	71	104	166	218	0	0	0	0
South Atlantic	285	213	33.5%	0	0	284	213	1	0	0	0
Delaware	1	0	6.4%	0	0	0	0	1	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	49	46	6.2%	0	0	49	46	0	0	0	0
North Carolina	56	43	31.0%	0	0	56	43	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	178	123	44.7%	0	0	178	123	0	0	0	0
East South Central	NM	NM	NM	0	0	NM	NM	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	NM	NM	NM	0	0	NM	NM	0	0	0	0
West South Central	8,472	7,958	6.5%	131	161	8,337	7,796	5	1	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	2,349	2,156	9.0%	109	138	2,241	2,018	0	0	0	0
Texas	6,123	5,802	5.5%	22	23	6,096	5,778	5	1	0	0
Mountain	2,281	2,189	4.2%	232	245	2,049	1,943	NM	NM	0	0
Arizona	45	51	-12.0%	0	0	45	51	0	0	0	0
Colorado	771	834	-7.5%	26	27	745	806	0	NM	0	0
Idaho	249	216	15.3%	15	0	234	216	0	0	0	0
Montana	189	207	-8.8%	19	NM	170	185	0	0	0	0
Nevada	28	31	-10.1%	0	0	28	31	0	0	0	0
New Mexico	538	335	60.5%	0	0	538	335	NM	NM	0	0
Utah	65	100	-34.9%	0	0	65	100	0	0	0	0
Wyoming	396	414	-4.5%	171	195	224	219	0	0	0	0
Pacific Contiguous	2,743	2,259	21.4%	627	443	2,115	1,815	1	1	0	0
California	1,122	1,186	-5.3%	40	37	1,081	1,148	1	1	0	0
Oregon	785	421	86.7%	118	53	667	368	0	0	0	0
Washington	835	653	28.0%	468	353	367	300	0	0	0	0
Pacific Noncontiguous	70	72	-3.4%	10	NM	59	62	0	0	0	0
Alaska	16	NM	NM	10	NM	NM	NM	0	0	0	0
Hawaii	54	57	-5.5%	0	0	54	57	0	0	0	0
U.S. Total	23,936	22,228	7.7%	3,323	3,325	20,591	18,886	13	11	8	NM

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

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

by State, by Sector, Year-to-Date through February 2018 and 2017 (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 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
New England	721	544	32.6%	46	35	669	503	5	6	0	0
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	479	376	27.3%	0	0	479	376	0	0	0	0
Massachusetts	45	36	24.9%	NM	NM	30	NM	4	4	0	0
New Hampshire	88	63	40.2%	0	0	88	63	0	0	0	0
Rhode Island	32	25	28.8%	0	0	31	24	1	1	0	0
Vermont	74	42	78.3%	35	NM	40	NM	0	0	0	0
Middle Atlantic	1,553	1,170	32.7%	0	0	1,552	1,170	NM	0	1	0
New Jersey	NM	NM	NM	0	0	NM	NM	0	0	0	0
New York	849	623	36.3%	0	0	848	622	NM	0	1	0
Pennsylvania	700	544	28.6%	0	0	700	544	0	0	0	0
East North Central	5,560	4,089	36.0%	578	461	4,965	3,618	NM	NM	15	NM
Illinois	2,563	1,989	28.9%	NM	NM	2,560	1,986	NM	NM	0	0
Indiana	1,154	768	50.2%	0	0	1,154	768	0	0	0	0
Michigan	1,091	800	36.4%	381	326	711	474	0	0	0	0
Ohio	376	319	18.2%	NM	NM	360	309	1	1	NM	NM
Wisconsin	375	214	75.3%	193	132	180	80	0	0	2	1
West North Central	14,297	12,080	18.4%	4,641	4,070	9,647	8,001	NM	NM	0	0
Iowa	4,259	3,629	17.4%	2,712	2,375	1,546	1,253	1	1	0	0
Kansas	3,383	2,866	18.0%	330	151	3,051	2,713	NM	NM	0	0
Minnesota	2,283	1,923	18.8%	501	467	1,777	1,451	NM	NM	0	0
Missouri	549	269	104.4%	0	0	549	269	0	0	0	0
Nebraska	1,061	977	8.6%	34	NM	1,027	947	0	0	0	0
North Dakota	2,161	1,823	18.5%	876	857	1,286	966	0	0	0	0
South Dakota	600	594	1.1%	188	192	413	402	0	0	0	0
South Atlantic	577	402	43.6%	0	0	576	401	1	1	0	0
Delaware	1	1	-10.4%	0	0	0	0	1	1	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	103	85	21.4%	0	0	103	85	0	0	0	0
North Carolina	115	68	68.2%	0	0	115	68	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	358	247	44.7%	0	0	358	247	0	0	0	0
East South Central	NM	NM	NM	0	0	NM	NM	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	NM	NM	NM	0	0	NM	NM	0	0	0	0
West South Central	17,933	15,901	12.8%	282	314	17,642	15,584	8	3	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	5,081	4,227	20.2%	236	268	4,845	3,960	0	0	0	0
Texas	12,852	11,673	10.1%	46	46	12,798	11,625	8	3	0	0
Mountain	4,823	4,277	12.8%	509	455	4,313	3,820	NM	NM	1	1
Arizona	91	108	-15.4%	0	0	91	108	0	0	0	0
Colorado	1,662	1,697	-2.1%	55	55	1,606	1,640	0	NM	1	1
Idaho	503	397	26.9%	15	0	488	397	0	0	0	0
Montana	426	381	12.0%	44	41	382	340	0	0	0	0
Nevada	58	66	-11.4%	0	0	58	66	0	0	0	0
New Mexico	1,075	670	60.4%	0	0	1,075	670	NM	NM	0	0
Utah	132	197	-33.0%	0	0	132	197	0	0	0	0
Wyoming	875	762	14.8%	395	359	480	403	0	0	0	0
Pacific Contiguous	5,151	4,370	17.9%	1,111	779	4,039	3,590	1	1	0	1
California	2,261	2,469	-8.4%	56	81	2,204	2,386	1	1	0	1
Oregon	1,284	737	74.1%	171	83	1,113	654	0	0	0	0
Washington	1,607	1,164	38.1%	885	614	722	550	0	0	0	0
Pacific Noncontiguous	146	143	2.6%	21	NM	125	125	0	0	0	0
Alaska	33	NM	NM	21	NM	NM	NM	0	0	0	0
Hawaii	113	115	-1.5%	0	0	113	115	0	0	0	0
U.S. Total	50,769	42,977	18.1%	7,190	6,130	43,536	36,813	27	23	17	NM

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

Table 1.15.A. Utility Scale Facility Net Generation from Biomass by State, by Sector, February 2018 and 2017 (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 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	582	580	0.2%	52	51	426	429	13	12	90	88
Connecticut	64	62	3.5%	0	0	64	62	0	0	0	0
Maine	231	230	0.2%	0	0	133	136	8	6	90	88
Massachusetts	96	88	9.7%	0	0	94	85	2	2	0	0
New Hampshire	134	144	-7.0%	24	25	106	115	4	4	0	0
Rhode Island	16	16	0.8%	0	0	16	16	0	0	0	0
Vermont	40	40	0.1%	27	26	NM	14	0	0	0	0
Middle Atlantic	444	447	-0.8%	0	0	337	339	42	39	65	69
New Jersey	75	75	0.2%	0	0	61	62	14	13	0	0
New York	176	175	0.4%	0	0	143	143	16	15	17	17
Pennsylvania	193	198	-2.3%	0	0	132	134	12	11	49	52
East North Central	470	447	5.1%	67	56	260	258	14	16	129	117
Illinois	38	39	-3.7%	2	2	36	38	0	0	0	0
Indiana	36	35	2.5%	23	22	4	4	2	2	7	7
Michigan	207	193	7.2%	0	0	143	140	9	9	55	44
Ohio	55	57	-3.5%	NM	NM	36	37	1	1	18	19
Wisconsin	134	123	9.3%	42	32	40	39	3	4	50	47
West North Central	194	196	-0.8%	42	38	85	89	12	11	54	57
Iowa	18	13	40.3%	2	NM	10	5	4	2	2	4
Kansas	5	4	4.5%	0	0	5	4	0	0	0	0
Minnesota	151	157	-3.5%	32	27	67	76	2	2	51	52
Missouri	12	13	-6.3%	3	NM	4	4	5	6	0	0
Nebraska	7	7	-8.1%	6	6	0	0	1	2	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	1,668	1,586	5.2%	162	146	610	532	18	22	878	886
Delaware	5	5	3.6%	0	0	4	4	0	0	NM	1
District of Columbia	5	4	46.7%	0	0	5	4	0	0	0	0
Florida	434	410	5.9%	6	7	256	231	4	4	167	168
Georgia	421	390	8.0%	0	0	86	55	0	0	336	335
Maryland	45	44	2.3%	0	0	33	32	2	2	10	10
North Carolina	207	205	1.0%	0	0	97	104	NM	NM	109	100
South Carolina	211	219	-3.6%	35	35	32	35	0	0	144	149
Virginia	339	309	9.5%	121	105	95	67	11	15	111	123
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	489	494	-0.9%	7	7	30	30	0	0	453	457
Alabama	277	269	3.0%	0	0	22	22	0	0	255	247
Kentucky	36	35	0.8%	7	7	0	1	0	0	28	28
Mississippi	100	113	-11.1%	0	0	NM	NM	0	0	100	112
Tennessee	76	77	-0.4%	0	0	7	6	0	0	70	70
West South Central	480	493	-2.6%	0	0	68	59	3	3	409	431
Arkansas	126	124	1.6%	0	0	10	9	0	0	115	114
Louisiana	205	227	-9.7%	0	0	7	6	0	0	198	221
Oklahoma	26	24	5.8%	0	0	NM	NM	0	0	25	23
Texas	123	117	5.0%	0	0	51	42	2	3	70	73
Mountain	87	86	0.8%	NM	NM	53	53	2	2	31	30
Arizona	17	19	-8.4%	0	0	17	19	0	0	0	0
Colorado	13	13	-5.7%	0	0	13	13	0	0	0	0
Idaho	43	40	8.1%	NM	NM	11	10	1	1	30	28
Montana	2	2	-4.4%	0	0	0	0	0	0	2	2
Nevada	5	5	2.4%	0	0	5	5	0	0	0	0
New Mexico	2	2	1.3%	0	0	2	2	0	0	0	0
Utah	6	6	-3.7%	0	0	5	5	1	1	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	716	698	2.5%	60	59	379	369	67	70	209	201
California	463	461	0.5%	13	12	335	330	63	66	52	53
Oregon	87	80	9.8%	5	5	35	31	2	2	45	41
Washington	165	158	4.6%	42	42	10	8	1	1	112	107
Pacific Noncontiguous	17	24	-27.6%	3	6	0	0	14	18	0	0
Alaska	4	1	212.9%	0	0	0	0	4	1	0	0
Hawaii	14	23	-40.1%	3	6	0	0	10	16	0	0
U.S. Total	5,146	5,052	1.9%	395	365	2,248	2,159	184	192	2,319	2,336

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

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

by State, by Sector, Year-to-Date through February 2018 and 2017 (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 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
New England	1,218	1,201	1.4%	118	103	882	882	26	25	192	190
Connecticut	130	129	0.7%	0	0	130	129	0	0	0	0
Maine	489	480	1.8%	0	0	282	277	15	13	192	190
Massachusetts	193	191	0.8%	0	0	188	187	4	4	0	0
New Hampshire	283	288	-1.5%	54	52	223	228	6	7	0	0
Rhode Island	32	33	-3.6%	0	0	32	33	0	0	0	0
Vermont	92	80	14.2%	64	51	27	29	0	0	0	0
Middle Atlantic	919	940	-2.2%	0	0	692	714	88	82	140	144
New Jersey	160	161	-0.7%	0	0	131	133	29	28	0	0
New York	362	360	0.6%	0	0	294	292	32	32	35	35
Pennsylvania	398	420	-5.2%	0	0	267	289	26	22	105	109
East North Central	991	955	3.8%	145	123	543	542	33	34	271	256
Illinois	78	84	-7.6%	3	4	74	80	0	0	0	0
Indiana	72	73	-1.4%	47	48	8	8	3	4	14	14
Michigan	437	410	6.5%	0	0	302	292	20	20	115	99
Ohio	116	122	-4.9%	NM	NM	76	79	1	1	38	41
Wisconsin	289	266	8.7%	93	71	83	83	8	9	104	102
West North Central	388	398	-2.4%	88	84	165	175	26	25	109	114
Iowa	36	28	31.6%	4	4	20	10	9	6	4	8
Kansas	10	10	-0.8%	0	0	10	10	0	0	0	0
Minnesota	300	317	-5.2%	65	61	128	148	5	4	103	104
Missouri	25	27	-5.9%	6	6	8	8	10	12	1	1
Nebraska	15	16	-6.9%	13	13	0	0	2	3	0	0
North Dakota	2	2	45.7%	0	0	0	0	0	0	2	2
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	3,479	3,297	5.5%	346	320	1,257	1,128	37	45	1,839	1,804
Delaware	11	11	-1.3%	0	0	8	8	0	0	2	3
District of Columbia	10	9	7.8%	0	0	10	9	0	0	0	0
Florida	908	868	4.6%	12	14	537	495	9	9	350	349
Georgia	861	781	10.3%	0	0	170	105	0	0	691	676
Maryland	90	90	0.2%	0	0	68	66	4	4	18	21
North Carolina	440	415	5.9%	0	0	207	210	2	2	231	204
South Carolina	436	446	-2.3%	68	72	65	69	0	0	302	305
Virginia	724	676	7.0%	266	234	192	166	23	31	243	246
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	1,029	1,024	0.5%	15	15	61	62	0	0	953	947
Alabama	563	553	1.7%	0	0	45	45	0	0	517	508
Kentucky	75	73	2.3%	15	15	1	1	0	0	59	57
Mississippi	231	240	-3.9%	0	0	NM	NM	0	0	229	239
Tennessee	161	157	2.4%	0	0	14	14	0	0	147	143
West South Central	1,004	1,017	-1.2%	0	0	150	141	6	7	848	868
Arkansas	251	252	-0.7%	0	0	20	19	1	1	230	232
Louisiana	431	448	-3.8%	0	0	14	14	0	0	417	434
Oklahoma	56	55	0.8%	0	0	2	2	0	0	53	53
Texas	266	261	2.2%	0	0	114	106	5	6	148	149
Mountain	181	178	1.8%	2	NM	109	110	4	4	66	62
Arizona	37	38	-3.7%	0	0	37	38	0	0	0	0
Colorado	26	27	-4.5%	0	0	26	27	0	0	0	0
Idaho	90	84	7.8%	2	NM	23	22	2	2	63	58
Montana	3	3	-4.0%	0	0	0	0	0	0	3	3
Nevada	10	10	-0.3%	0	0	10	10	0	0	0	0
New Mexico	3	3	-1.8%	0	0	3	3	0	0	0	0
Utah	12	13	-4.3%	0	0	11	11	2	2	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,505	1,451	3.7%	127	120	797	771	138	146	443	413
California	973	953	2.1%	27	25	703	688	130	138	113	102
Oregon	184	170	8.5%	10	10	74	67	5	5	95	88
Washington	347	328	6.0%	89	85	20	17	3	3	235	224
Pacific Noncontiguous	45	44	2.5%	11	7	0	0	34	37	0	0
Alaska	8	4	80.1%	0	0	0	0	8	4	0	0
Hawaii	37	40	-5.8%	11	7	0	0	26	33	0	0
U.S. Total	10,760	10,504	2.4%	852	775	4,655	4,527	392	404	4,861	4,798

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

Table 1.16.A. Utility Scale Facility Net Generation from Geothermal by State, by Sector, February 2018 and 2017 (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 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
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	335	303	10.3%	21	21	313	283	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	5	5	3.3%	0	0	5	5	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	291	261	11.4%	0	0	291	261	0	0	0	0
New Mexico	1	1	-33.9%	0	0	1	1	0	0	0	0
Utah	37	36	4.4%	21	21	16	15	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	948	918	3.2%	64	61	884	857	0	0	0	0
California	932	903	3.2%	64	61	868	843	0	0	0	0
Oregon	15	15	1.7%	0	1	15	15	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	20	20	3.7%	0	0	20	20	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	20	20	3.7%	0	0	20	20	0	0	0	0
U.S. Total	1,303	1,241	4.9%	85	82	1,217	1,160	0	0	0	0

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

Table 1.16.B. Utility Scale Facility Net Generation from Geothermal

by State, by Sector, Year-to-Date through February 2018 and 2017 (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 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 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	688	640	7.6%	44	43	644	596	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	11	11	-0.2%	0	0	11	11	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	599	551	8.8%	0	0	599	551	0	0	0	0
New Mexico	1	2	-52.4%	0	0	1	2	0	0	0	0
Utah	76	75	1.5%	44	43	32	32	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,946	1,960	-0.7%	119	133	1,828	1,827	0	0	0	0
California	1,915	1,928	-0.7%	119	132	1,796	1,796	0	0	0	0
Oregon	31	31	0.3%	0	1	31	31	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	42	41	0.4%	0	0	42	41	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	42	41	0.4%	0	0	42	41	0	0	0	0
U.S. Total	2,676	2,641	1.3%	163	176	2,513	2,465	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 1.17.A. Net Generation from Solar Photovoltaic
by State, by Sector, February 2018 and 2017 (Thousand Megawatthours)

	All Sectors							Electric Power Sector				Commercial Sector						Industrial Sector						Residential Sector	
								Electric Utilities		Independent Power Producers															
	Estimated Generation From Utility and Small Scale Facilities			Generation at Utility Scale Facilities		Estimated Small Scale Generation		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Estimated Generation From Utility and Small Scale Facilities		Generation at Utility Scale Facilities		Estimated Small Scale Generation		Estimated Generation From Utility and Small Scale Facilities		Generation at Utility Scale Facilities		Estimated Small Scale Generation		Estimated Small Scale Generation	
Census Division and State	February 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	280	186	50.3%	96	53	183	133	5	4	91	49	NM	NM	NM	NM	108	74	NM	7	NM	0	9	7	67	52
Connecticut	34	27	25.8%	4	3	30	24	0	0	4	NM	12	9	0	0	12	9	NM	1	NM	0	2	1	16	14
Maine	NM	3	NM	NM	NM	3	2	0	0	NM	NM	1	1	0	0	1	1	0	0	0	0	0	0	2	2
Massachusetts	209	134	55.5%	79	43	130	91	NM	NM	77	41	NM	NM	NM	NM	87	59	7	5	0	0	7	5	37	28
New Hampshire	7	5	30.4%	0	0	7	5	0	0	0	0	2	2	0	0	2	2	0	0	0	0	0	0	4	3
Rhode Island	NM	4	NM	NM	NM	6	3	0	0	NM	NM	3	2	0	0	3	2	0	0	0	0	0	0	3	2
Vermont	17	12	39.8%	10	6	8	6	NM	NM	6	NM	3	2	0	0	3	2	NM	0	0	0	NM	0	5	4
Middle Atlantic	336	261	28.9%	104	63	233	198	6	4	85	51	122	100	12	8	111	92	NM	NM	NM	NM	14	12	108	94
New Jersey	201	156	28.8%	79	49	122	107	6	4	62	38	77	65	11	7	66	58	NM	NM	NM	NM	9	7	47	42
New York	104	79	31.5%	18	10	86	69	0	0	18	10	NM	NM	NM	NM	35	25	1	1	0	0	1	1	50	43
Pennsylvania	31	26	21.7%	6	4	25	22	0	0	5	NM	NM	NM	NM	NM	9	9	NM	NM	NM	NM	4	4	12	9
East North Central	75	47	57.2%	48	28	27	20	16	8	31	20	NM	NM	NM	NM	16	12	2	1	0	0	1	1	9	6
Illinois	8	6	29.4%	3	3	5	3	0	0	3	3	NM	2	NM	0	3	2	0	NM	0	0	0	NM	2	1
Indiana	30	18	63.9%	25	16	5	2	10	6	15	10	3	1	0	0	3	1	0	0	0	0	0	0	2	1
Michigan	12	6	99.2%	7	NM	5	5	6	NM	NM	0	2	3	0	0	2	3	NM	0	0	0	NM	0	2	2
Ohio	18	13	34.9%	10	6	9	7	NM	NM	9	5	NM	NM	NM	NM	6	6	NM	0	0	0	NM	0	2	1
Wisconsin	NM	4	NM	NM	NM	4	3	0	0	NM	NM	1	1	0	0	1	1	1	1	0	0	1	1	2	1
West North Central	113	56	102.0%	86	34	27	22	NM	NM	84	33	14	12	0	0	13	11	1	1	0	0	1	1	13	10
Iowa	NM	5	NM	NM	NM	7	5	NM	NM	NM	0	4	3	0	0	4	3	0	0	0	0	0	0	2	2
Kansas	NM	1	NM	NM	0	1	1	0	0	NM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Minnesota	81	33	148.5%	77	30	4	3	NM	NM	77	30	1	1	0	0	1	1	1	0	0	0	1	0	2	2
Missouri	20	16	26.4%	6	3	14	13	0	0	5	3	7	7	0	0	7	7	0	0	0	0	0	0	7	6
Nebraska	NM	1	NM	NM	NM	1	0	0	0	NM	NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
North Dakota	0	0	1.3%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota	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
South Atlantic	966	569	69.7%	831	459	135	111	204	83	618	369	52	45	9	7	42	38	NM	15	NM	0	20	15	73	57
Delaware	10	8	27.6%	4	NM	6	6	NM	NM	3	NM	NM	NM	NM	NM	2	2	0	0	0	0	0	0	4	3
District of Columbia	4	3	34.5%	0	0	4	3	0	0	0	0	3	2	0	0	3	2	0	0	0	0	0	0	2	1
Florida	192	67	187.1%	165	48	27	18	139	45	25	NM	NM	NM	NM	NM	8	7	NM	1	NM	0	1	1	19	11
Georgia	NM	137	NM	138	123	NM	14	20	17	118	105	NM	NM	NM	NM	NM	2	NM	NM	0	0	NM	NM	NM	1
Maryland	67	61	10.5%	21	17	46	44	NM	NM	20	16	NM	NM	NM	NM	14	14	2	2	0	0	2	2	30	28
North Carolina	430	263	63.5%	416	249	14	14	25	13	383	230	16	15	8	6	8	9	0	1	0	0	0	1	5	4
South Carolina	46	9	418.3%	33	NM	13	7	0	0	33	NM	4	1	0	0	4	1	1	1	0	0	1	1	8	5
Virginia	60	21	186.9%	54	17	6	4	18	7	36	10	2	2	0	0	2	2	0	0	0	0	0	0	4	3
West Virginia	1	0	25.3%	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	62	25	144.4%	53	17	9	8	6	1	46	16	NM	NM	NM	NM	6	6	NM	0	NM	0	1	0	3	2
Alabama	NM	10	NM	21	9	NM	NM	NM	0	19	9	0	0	0	0	0	0	0	0	0	0	0	0	NM	NM
Kentucky	5	3	81.6%	3	1	2	2	3	1	0	0	1	1	0	0	1	1	0	0	0	0	0	0	1	1
Mississippi	18	1	NM	16	NM	1	1	0	0	16	NM	NM	0	0	0	NM	0	NM	NM	0	0	NM	NM	0	0
Tennessee	18	12	45.6%	12	7	6	5	0	0	11	6	NM	NM	NM	NM	4	4	NM	NM	NM	0	NM	NM	2	1
West South Central	273	118	131.2%	201	74	73	45	4	NM	197	73	19	10	0	0	19	10	NM	0	0	0	NM	0	54	35
Arkansas	10	2	346.1%	9	2	1	1	NM	NM	8	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Louisiana	NM	13	NM	NM	0	15	13	NM	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	14	13
Oklahoma	NM	1	NM	NM	0	1	0	NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Texas	245	102	140.6%	189	72	56	30	NM	0	188	72	18	9	0	0	18	9	0	0	0	0	0	0	38	21
Mountain	1,093	807	35.5%	856	611	237	195	70	45	779	561	71	63	7	5	64	59	13	12	0	0	13	12	160	125
Arizona	410	324	26.4%	279	215	131	109	51	31	227	183	NM	NM	NM	NM	33	30	10	10	0	0	10	10	88	69
Colorado	103	80	29.8%	67	47	36	33	NM	0	65	46	NM	NM	NM	NM	14	13	0	0	0	0	0	0	22	19
Idaho	34	11	215.2%	33	10	1	1	0	0	33	10	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Montana	NM	1	NM	NM	0	1	1	0	0	NM	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Nevada	296	203	46.4%	268	178	29	24	2	2	261	173	11	NM	4	NM	7	6	2	2	0	0	2	2	20	17
New Mexico	95	69	37.1%	78	56	17	13	16	12	62	44	6	5	0	0	6	5	0	0	0	0	0	0	11	8
Utah	150	119	26.4%	129	105	22	14	0	0	129	105	4	3	0	0	4	3	0	0	0	0	0	0	17	11
Wyoming	0	0	37.9%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Contiguous	2,337	1,599	46.2%	1,559	1,013	778	586	37	23	1,510	984	195	134	9	6	186	128	NM	NM	NM	NM	114	99	479	359
California	2,289	1,572	45.6%	1,529	1,002	760	570	37	23	1,480	973	189	128	9	6	180	122	NM	NM	NM	NM	113	98	467	350
Oregon	41	21	98.8%	30	11	11	9	NM	NM	30	11	5	4	0	0	5	4	1	1	0	0	1	1	5	4
Washington	8	6	29.6%	0	0	8	6	0	0	0	0	1	1	0	0	1	1	NM	0	0	0	NM	0	7	5
Pacific Noncontiguous	85	76	11.9%	14	9	71	67	3	3	11	6	27	24	0	0	27	24	0	0	0	0	0	0	44	43
Alaska	0	0	43.1%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hawaii	85	76	11.8%	14	9	71	67	3	3	11	6	27	24	0	0	27	24	0	0	0	0	0	0	44	43
U.S. Total	5,621	3,744	50.1%	3,846	2,361	1,774	1,383	352	172	3,451	2,162	632	480	39	26	594	454	178	NM	5	NM	172	147	1,008	783

Due to incorrect reporting by sector, the sector allocations for small scale solar have been estimated for February 2018.
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 small scale solar photovoltaic generation and small scale solar photovoltaic capacity are based on data from Form EIA-861M, 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 2018 and 2017 (Thousand Megawatthours)

	All Sectors							Electric Power Sector				Commercial Sector						Industrial Sector						Residential Sector	
								Electric Utilities		Independent Power Producers															
	Estimated Generation From Utility and Small Scale Facilities			Generation at Utility Scale Facilities		Estimated Small Scale Generation		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Estimated Generation From Utility and Small Scale Facilities		Generation at Utility Scale Facilities		Estimated Small Scale Generation		Estimated Generation From Utility and Small Scale Facilities		Generation at Utility Scale Facilities		Estimated Small Scale Generation		Estimated Small Scale Generation	
Census Division and State	February 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
New England	518	343	50.7%	170	99	347	245	9	7	161	91	206	140	NM	NM	205	139	17	12	NM	0	17	12	126	93
Connecticut	64	49	29.4%	7	5	56	44	0	0	7	5	23	18	0	0	23	18	3	3	NM	0	3	3	30	24
Maine	8	6	43.1%	NM	NM	6	5	0	0	NM	NM	2	2	0	0	2	2	0	0	0	0	0	0	4	3
Massachusetts	386	248	55.6%	140	80	246	168	NM	NM	137	78	166	110	NM	NM	165	110	12	9	0	0	12	9	68	49
New Hampshire	13	10	31.9%	0	0	13	10	0	0	0	0	4	3	0	0	4	3	1	1	0	0	1	1	8	6
Rhode Island	15	7	107.6%	4	NM	11	6	0	0	4	NM	6	3	0	0	6	3	0	0	0	0	0	0	5	3
Vermont	32	23	36.1%	17	11	15	12	6	5	11	6	5	4	0	0	5	4	0	0	0	0	0	0	9	8
Middle Atlantic	623	471	32.5%	182	117	441	353	11	8	149	94	226	183	20	14	206	169	28	24	NM	NM	26	22	209	163
New Jersey	372	283	31.7%	139	92	233	190	11	8	108	71	143	121	19	13	124	107	18	13	NM	NM	16	12	93	70
New York	193	140	37.5%	33	18	160	122	0	0	32	17	65	46	NM	NM	64	45	2	2	0	0	2	2	94	76
Pennsylvania	58	48	21.9%	10	7	48	41	0	0	8	6	19	17	NM	NM	18	16	9	9	NM	NM	8	8	22	16
East North Central	134	85	57.8%	86	50	48	35	29	14	55	36	30	22	NM	NM	29	21	3	2	0	0	3	2	17	12
Illinois	15	10	44.9%	6	5	9	5	0	0	5	5	6	3	NM	0	6	3	0	0	0	0	0	0	3	2
Indiana	53	34	57.7%	44	31	9	3	18	11	27	19	5	1	0	0	5	1	0	0	0	0	0	0	3	2
Michigan	21	10	111.3%	13	NM	8	8	10	NM	NM	0	4	5	0	0	4	5	0	0	0	0	0	0	4	3
Ohio	32	25	31.6%	16	11	16	13	NM	NM	15	10	12	10	NM	NM	12	10	1	1	0	0	1	1	3	3
Wisconsin	13	7	94.0%	6	NM	7	5	0	0	6	NM	3	2	0	0	3	2	1	1	0	0	1	1	3	2
West North Central	206	96	113.5%	155	55	50	41	NM	NM	152	54	26	21	0	0	25	21	2	1	0	0	2	1	24	19
Iowa	15	9	58.0%	NM	NM	12	9	NM	NM	NM	0	8	5	0	0	8	5	0	0	0	0	0	0	4	3
Kansas	3	2	59.4%	NM	0	3	2	0	0	NM	0	1	1	0	0	1	1	0	0	0	0	0	0	2	1
Minnesota	146	53	173.9%	139	48	7	5	NM	NM	138	48	3	2	0	0	3	2	1	0	0	0	1	0	4	3
Missouri	38	29	28.0%	11	5	27	25	0	0	10	4	14	13	0	0	14	13	0	0	0	0	0	0	13	12
Nebraska	3	2	80.1%	NM	NM	1	1	0	0	NM	NM	0	0	0	0	0	0	0	0	0	0	0	0	1	0
North Dakota	0	0	0.3%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota	0	0	18.3%	NM	NM	0	0	0	0	NM	NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Atlantic	1,794	1,054	70.1%	1,526	849	268	205	346	159	1,164	678	97	86	17	13	81	73	39	29	NM	0	39	29	148	102
Delaware	19	15	31.4%	7	NM	12	10	NM	NM	6	NM	4	3	NM	NM	4	3	1	1	0	0	1	1	8	6
District of Columbia	8	6	34.2%	0	0	8	6	0	0	0	0	5	3	0	0	5	3	0	0	0	0	0	0	3	3
Florida	333	131	153.4%	279	95	53	37	227	88	52	6	16	14	NM	NM	15	13	2	1	NM	0	1	1	37	22
Georgia	299	258	15.8%	263	231	36	28	36	33	227	197	5	4	NM	NM	4	4	29	22	0	0	29	22	2	2
Maryland	130	107	22.1%	39	31	92	76	NM	NM	37	29	27	26	NM	NM	27	25	4	4	0	0	4	4	61	47
North Carolina	797	481	65.6%	771	454	26	28	46	24	711	419	29	29	15	11	14	18	1	1	0	0	1	1	11	9
South Carolina	92	16	470.2%	63	4	29	12	0	0	63	4	8	3	0	0	8	3	2	1	0	0	2	1	19	8
Virginia	114	39	193.7%	104	31	11	8	34	13	69	18	4	3	0	0	4	3	0	0	0	0	0	0	7	5
West Virginia	1	1	27.0%	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
East South Central	123	47	159.7%	105	32	18	16	11	2	94	30	12	11	NM	NM	12	11	1	0	NM	0	1	0	5	5
Alabama	43	18	138.3%	41	17	1	1	5	0	37	17	1	1	0	0	1	1	0	0	0	0	0	0	0	0
Kentucky	9	4	107.6%	6	2	3	3	6	2	0	0	2	2	0	0	2	2	0	0	0	0	0	0	1	1
Mississippi	39	2	NM	37	NM	2	1	0	0	37	NM	1	1	0	0	1	1	1	0	0	0	1	0	1	0
Tennessee	32	23	39.4%	21	13	11	11	0	0	20	12	9	8	NM	NM	8	8	1	0	NM	0	0	0	3	3
West South Central	539	227	137.7%	396	139	143	87	7	NM	389	138	37	20	0	0	37	19	0	0	0	0	0	0	106	68
Arkansas	23	4	452.3%	21	3	2	1	NM	NM	21	3	1	0	0	0	1	0	0	0	0	0	0	0	1	1
Louisiana	29	26	9.6%	NM	0	29	26	NM	0	0	0	2	1	0	0	2	1	0	0	0	0	0	0	27	25
Oklahoma	7	1	397.5%	5	1	1	1	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Texas	481	195	146.5%	369	136	111	59	NM	0	368	136	35	18	0	0	35	18	0	0	0	0	0	0	77	42
Mountain	2,032	1,523	33.5%	1,556	1,144	477	379	121	78	1,422	1,056	139	124	12	9	127	116	26	25	0	0	26	25	323	239
Arizona	778	615	26.4%	513	403	265	212	87	52	423	349	67	62	NM	NM	64	60	21	20	0	0	21	20	180	133
Colorado	195	149	30.5%	122	87	73	63	NM	0	119	85	30	27	NM	NM	28	26	0	0	0	0	0	0	45	36
Idaho	62	20	203.7%	60	19	2	1	0	0	60	19	0	0	0	0	0	0	0	0	0	0	0	0	2	1
Montana	6	1	355.4%	5	0	2	1	0	0	5	0	1	0	0	0	1	0	0	0	0	0	0	0	1	1
Nevada	539	386	39.5%	482	338	57	48	5	4	469	329	21	18	8	5	13	12	4	3	0	0	4	3	40	32
New Mexico	173	129	33.9%	139	103	34	26	29	22	110	81	12	10	0	0	12	10	0	0	0	0	0	0	22	16
Utah	278	220	26.4%	236	193	43	27	0	0	236	193	9	6	0	0	9	6	1	1	0	0	1	1	33	20
Wyoming	1	0	36.7%	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Pacific Contiguous	4,266	3,049	39.9%	2,775	1,919	1,491	1,130	65	43	2,688	1,865	371	259	16	11	355	248	229	189	5	NM	224	188	912	694
California	4,181	3,003	39.2%	2,721	1,898	1,460	1,105	65	42	2,635	1,844	362	251	16	11	346	240	227	187	5	NM	222	186	892	679
Oregon	73	36	99.3%	55	21	18	15	NM	NM	54	21	8	7	0	0	8	7	1	1	0	0	1	1	9	7
Washington	13	10	29.8%	0	0	13	10	0	0	0	0	2	2	0	0	2	2	0	0	0	0	0	0	11	8
Pacific Noncontiguous	174	154	13.4%	28	18	146	136	6	6	22	11	55	49	0	0	55	49	0	0	0	0	0	0	90	86
Alaska	0	0	43.1%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hawaii	174	154	13.4%	28	18	146	136	6	6	22	11	55	49	0	0	55	49	0	0	0	0	0	0	90	86
U.S. Total	10,410	7,050	47.7%	6,980	4,423	3,429	2,627	608	319	6,296	4,052	1,201	916	68	48	1,133	867	346	283	9	NM	337	280	1,959	1,480

Due to incorrect reporting by sector, the sector allocations for small scale solar have been estimated for February 2018.
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 small scale solar photovoltaic generation and small scale solar photovoltaic capacity are based on data from Form EIA-861M, 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 2018 and 2017 (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 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
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	3	0	NM	3	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	3	0	NM	3	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	47	39	20.5%	0	0	47	39	0	0	0	0
Arizona	39	35	10.7%	0	0	39	35	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	8	4	108.8%	0	0	8	4	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	142	97	46.3%	0	0	142	97	0	0	0	0
California	142	97	46.3%	0	0	142	97	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	191	136	40.9%	3	0	188	136	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 2018 and 2017 (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 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 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	4	0	NM	4	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	4	0	NM	4	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	81	64	26.6%	0	0	81	64	0	0	0	0
Arizona	72	57	24.8%	0	0	72	57	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	9	6	42.5%	0	0	9	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	234	162	45.2%	0	0	234	162	0	0	0	0
California	234	162	45.2%	0	0	234	162	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	319	226	41.4%	4	0	315	225	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, 2008-February 2018 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	739,594	539,506	195,927	163	3,999
2016	677,371	496,192	178,047	111	3,021
2017	663,479	485,100	175,500	96	2,783
Year 2016					
January	61,983	45,395	16,319	12	258
February	50,516	37,538	12,717	13	248
March	39,864	30,983	8,616	13	252
April	39,065	28,614	10,238	7	206
May	45,032	33,712	11,064	6	249
June	63,186	46,191	16,721	7	266
July	74,132	53,946	19,894	7	285
August	73,798	53,681	19,827	8	282
Sept	62,335	44,665	17,407	8	254
October	54,537	39,319	14,974	8	237
November	48,076	35,090	12,758	10	218
December	64,847	47,058	17,512	12	266
Year 2017					
January	63,394	46,763	16,354	12	265
February	47,878	35,521	12,112	10	235
March	48,700	35,717	12,738	9	235
April	44,216	31,501	12,507	5	202
May	50,843	37,410	13,209	6	219
June	58,884	43,796	14,854	7	226
July	69,775	52,038	17,494	8	234
August	65,801	49,033	16,527	8	233
Sept	54,702	39,435	15,035	8	225
October	50,129	36,279	13,610	7	233
November	50,864	35,840	14,788	7	229
December	58,292	41,767	16,270	10	246
Year 2018					
January	64,556	47,762	16,510	12	272
February	45,738	33,993	11,488	8	249
Year to Date					
2016	112,499	82,933	29,035	25	505
2017	111,272	82,285	28,466	21	500
2018	110,294	81,755	27,998	20	521
Rolling 12 Months Ending in February					
2017	676,144	495,544	177,478	107	3,016
2018	662,501	484,570	175,031	95	2,804

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 2016 and prior years are final. Values for 2017 and 2018 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, 2008-February 2018 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	16,632	1,032	1,980	635	12,985
2016	16,586	2,979	1,336	572	11,700
2017	15,302	2,800	1,350	511	10,641
Year 2016					
January	1,624	288	133	63	1,140
February	1,503	277	130	62	1,034
March	1,433	232	117	61	1,023
April	1,215	204	103	39	870
May	1,264	215	90	31	929
June	1,353	241	97	39	976
July	1,472	278	118	39	1,036
August	1,434	270	112	42	1,010
Sept	1,257	216	97	41	903
October	1,260	224	105	42	889
November	1,256	233	99	50	875
December	1,515	301	136	63	1,015
Year 2017					
January	1,510	290	140	55	1,025
February	1,228	208	124	44	852
March	1,357	225	146	49	937
April	1,216	212	103	35	866
May	1,221	206	101	34	880
June	1,208	219	82	39	868
July	1,225	264	104	45	813
August	1,247	264	110	40	832
Sept	1,155	216	94	39	805
October	1,278	225	101	36	916
November	1,320	262	102	42	913
December	1,339	209	143	52	935
Year 2018					
January	1,432	234	144	57	997
February	1,270	212	131	45	883
Year to Date					
2016	3,127	565	263	126	2,174
2017	2,738	498	263	99	1,877
2018	2,703	446	275	102	1,880
Rolling 12 Months Ending in February					
2017	16,197	2,913	1,337	545	11,403
2018	15,266	2,747	1,361	514	10,644

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 2016 and prior years are final. Values for 2017 and 2018 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, 2008-February 2018 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	756,226	540,538	197,906	798	16,984
2016	693,958	499,172	179,383	683	14,720
2017	678,780	487,900	176,849	607	13,424
Year 2016					
January	63,607	45,683	16,452	75	1,397
February	52,019	37,815	12,846	75	1,282
March	41,297	31,215	8,733	74	1,275
April	40,280	28,818	10,341	46	1,076
May	46,297	33,928	11,154	37	1,178
June	64,539	46,432	16,818	46	1,243
July	75,604	54,224	20,012	46	1,321
August	75,232	53,951	19,938	49	1,292
Sept	63,592	44,881	17,504	50	1,157
October	55,798	39,543	15,079	50	1,126
November	49,331	35,322	12,857	60	1,093
December	66,362	47,359	17,648	75	1,280
Year 2017					
January	64,904	47,054	16,494	66	1,290
February	49,106	35,729	12,235	54	1,087
March	50,057	35,942	12,884	58	1,172
April	45,432	31,713	12,611	40	1,068
May	52,064	37,616	13,310	40	1,098
June	60,092	44,015	14,937	46	1,094
July	71,001	52,302	17,598	53	1,047
August	67,048	49,297	16,637	49	1,065
Sept	55,857	39,651	15,129	47	1,030
October	51,406	36,504	13,711	43	1,149
November	52,184	36,102	14,890	50	1,142
December	59,631	41,975	16,413	62	1,181
Year 2018					
January	65,989	47,996	16,654	69	1,270
February	47,008	34,205	11,618	53	1,132
Year to Date					
2016	115,626	83,498	29,298	151	2,679
2017	114,010	82,783	28,729	120	2,378
2018	112,997	82,201	28,272	122	2,402
Rolling 12 Months Ending in February					
2017	692,342	498,457	178,814	652	14,419
2018	677,767	487,317	176,392	609	13,448

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 2016 and prior years are final. Values for 2017 and 2018 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, 2008-February 2018 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	28,925	18,562	9,473	249	641
2016	22,405	16,137	5,624	108	536
2017	21,935	15,722	5,553	193	467
Year 2016					
January	2,472	1,727	685	12	48
February	2,230	1,474	698	12	46
March	1,495	1,096	355	4	40
April	1,421	1,055	320	8	38
May	1,662	1,212	386	8	56
June	1,693	1,275	364	7	48
July	2,287	1,711	514	11	52
August	2,231	1,644	537	10	39
Sept	1,620	1,128	441	7	44
October	1,629	1,156	423	7	43
November	1,672	1,249	372	11	40
December	1,995	1,410	530	12	43
Year 2017					
January	1,977	1,459	453	20	45
February	1,569	1,157	362	13	38
March	1,673	1,342	278	16	37
April	1,519	1,188	285	10	36
May	1,752	1,306	394	16	37
June	1,739	1,290	397	14	38
July	1,853	1,296	505	17	35
August	1,723	1,275	392	20	37
Sept	1,723	1,253	417	15	38
October	1,730	1,331	346	14	39
November	1,617	1,184	379	15	39
December	3,058	1,642	1,346	22	47
Year 2018					
January	8,977	4,320	4,531	58	NM
February	1,377	1,100	218	15	44
Year to Date					
2016	4,701	3,201	1,383	24	94
2017	3,547	2,616	815	33	84
2018	10,354	5,420	4,749	73	112
Rolling 12 Months Ending in February					
2017	21,251	15,552	5,056	117	526
2018	28,742	18,526	9,488	234	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 2016 and prior years are final. Values for 2017 and 2018 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, 2008-February 2018 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	3,142	62	1,155	282	1,643
2016	2,277	68	245	245	1,719
2017	1,964	72	238	289	1,365
Year 2016					
January	231	12	24	43	153
February	316	17	39	27	233
March	178	3	28	7	140
April	174	3	16	17	138
May	198	3	18	14	163
June	181	6	13	14	149
July	185	2	12	28	142
August	153	3	15	18	117
Sept	143	3	14	9	117
October	174	3	18	9	144
November	167	4	14	35	113
December	178	9	33	26	110
Year 2017					
January	207	12	39	39	117
February	136	8	19	28	81
March	138	4	10	30	94
April	137	3	11	16	107
May	157	3	14	19	120
June	148	5	15	15	113
July	125	3	14	17	90
August	138	3	12	19	103
Sept	120	4	14	15	87
October	145	4	18	17	106
November	177	4	21	23	129
December	336	18	51	50	216
Year 2018					
January	644	49	120	139	NM
February	148	5	11	29	103
Year to Date					
2016	547	29	63	70	386
2017	342	20	58	67	198
2018	792	54	131	168	439
Rolling 12 Months Ending in February					
2017	2,073	59	240	242	1,531
2018	2,414	106	312	390	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 2016 and prior years are final. Values for 2017 and 2018 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, 2008-February 2018 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	32,067	18,624	10,629	531	2,283
2016	24,682	16,205	5,869	352	2,255
2017	23,899	15,794	5,791	482	1,831
Year 2016					
January	2,702	1,739	709	55	200
February	2,546	1,491	737	38	279
March	1,673	1,099	383	12	180
April	1,594	1,058	337	24	175
May	1,860	1,216	403	22	219
June	1,875	1,281	377	21	197
July	2,472	1,713	527	38	194
August	2,384	1,647	552	28	156
Sept	1,763	1,131	455	16	161
October	1,803	1,159	441	16	187
November	1,838	1,254	386	46	153
December	2,173	1,419	563	37	154
Year 2017					
January	2,184	1,471	492	59	162
February	1,705	1,164	381	41	119
March	1,811	1,346	288	46	132
April	1,656	1,190	296	26	143
May	1,910	1,309	408	35	157
June	1,886	1,295	412	29	151
July	1,978	1,299	519	34	125
August	1,861	1,279	404	39	140
Sept	1,843	1,257	431	30	126
October	1,875	1,335	364	31	145
November	1,795	1,188	400	38	167
December	3,395	1,660	1,398	73	264
Year 2018					
January	9,621	4,369	4,651	197	NM
February	1,525	1,104	229	44	148
Year to Date					
2016	5,248	3,230	1,446	93	480
2017	3,889	2,635	872	100	281
2018	11,147	5,474	4,881	241	551
Rolling 12 Months Ending in February					
2017	23,323	15,611	5,296	359	2,057
2018	31,156	18,632	9,800	624	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 2016 and prior years are final. Values for 2017 and 2018 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, 2008-February 2018 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	4,044	3,120	669	2	253
2016	4,253	3,427	591	2	233
2017	3,349	2,731	415	3	200
Year 2016					
January	342	302	16	0	23
February	330	271	39	0	19
March	362	283	63	0	17
April	382	325	43	0	14
May	370	296	52	0	23
June	380	308	52	0	21
July	400	324	56	0	20
August	419	337	61	0	21
Sept	376	311	49	0	16
October	250	171	61	0	18
November	307	239	46	0	21
December	336	260	55	0	20
Year 2017					
January	355	301	40	0	13
February	263	217	32	0	13
March	273	214	40	0	18
April	153	110	29	0	13
May	320	264	38	0	18
June	341	282	40	0	19
July	332	271	39	0	23
August	282	226	38	0	19
Sept	262	209	37	0	16
October	221	171	35	0	15
November	267	234	13	0	19
December	280	231	35	0	14
Year 2018					
January	344	296	36	0	11
February	272	234	29	0	9
Year to Date					
2016	671	573	55	1	42
2017	618	518	72	1	26
2018	616	530	65	1	20
Rolling 12 Months Ending in February					
2017	4,200	3,372	609	2	217
2018	3,347	2,743	408	3	194

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.B. Petroleum Coke: Consumption for Useful Thermal Output, by Sector, 2008-February 2018 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	1,144	9	109	16	1,010
2016	1,099	6	113	9	971
2017	917	11	115	15	776
Year 2016					
January	86	1	11	2	73
February	95	0	10	2	83
March	85	0	11	2	72
April	73	1	7	0	66
May	96	0	7	0	89
June	100	0	9	0	91
July	101	1	9	1	91
August	101	1	10	0	91
Sept	75	1	10	0	64
October	92	1	11	0	80
November	99	0	10	0	89
December	95	1	10	2	83
Year 2017					
January	74	0	10	2	62
February	63	0	10	1	51
March	85	1	10	2	72
April	70	0	10	1	59
May	76	1	10	1	65
June	92	1	9	1	81
July	79	1	10	0	68
August	84	2	9	2	71
Sept	74	1	9	2	62
October	82	1	9	1	70
November	71	1	9	1	60
December	68	1	10	2	55
Year 2018					
January	69	1	9	2	56
February	61	1	8	2	51
Year to Date					
2016	181	1	21	4	155
2017	136	1	19	3	113
2018	130	2	17	3	107
Rolling 12 Months Ending in February					
2017	1,054	5	112	8	929
2018	911	13	114	15	770

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, 2008-February 2018 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	5,188	3,128	779	18	1,263
2016	5,352	3,433	705	10	1,204
2017	4,266	2,742	530	17	976
Year 2016					
January	427	302	27	3	96
February	425	272	49	2	102
March	447	283	74	2	89
April	455	326	50	0	80
May	466	296	58	0	112
June	480	308	60	0	111
July	502	325	65	1	111
August	520	337	71	0	112
Sept	451	311	59	0	80
October	342	172	72	0	99
November	406	240	56	0	110
December	431	261	65	2	103
Year 2017					
January	428	301	50	2	75
February	325	218	42	1	65
March	358	215	50	2	90
April	222	110	39	1	72
May	396	265	48	1	83
June	433	283	49	1	100
July	412	272	49	0	91
August	367	228	47	2	89
Sept	337	211	46	2	78
October	302	172	44	2	85
November	338	235	22	1	79
December	348	233	44	2	69
Year 2018					
January	412	297	46	2	67
February	334	235	37	2	60
Year to Date					
2016	852	574	76	5	197
2017	754	519	92	4	139
2018	746	532	82	4	127
Rolling 12 Months Ending in February					
2017	5,253	3,378	721	9	1,146
2018	4,258	2,755	521	18	964

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, 2008-February 2018 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	10,016,576	4,745,255	4,576,683	70,092	624,545
2016	10,170,110	5,018,894	4,571,375	46,304	533,537
2017	9,440,777	4,752,790	4,118,433	44,765	524,788
Year 2016					
January	786,040	390,246	347,970	3,499	44,325
February	702,082	352,877	304,311	3,344	41,550
March	758,344	377,953	333,147	3,493	43,751
April	734,600	362,063	327,542	3,278	41,717
May	819,345	407,178	365,297	3,620	43,251
June	985,722	497,616	439,024	4,109	44,973
July	1,157,589	569,028	535,036	5,188	48,337
August	1,168,337	564,916	549,161	5,384	48,875
Sept	932,041	451,574	431,159	4,223	45,086
October	760,610	368,087	345,831	3,675	43,017
November	679,004	333,973	298,069	2,944	44,018
December	686,396	343,384	294,829	3,547	44,637
Year 2017					
January	663,708	329,690	283,243	3,857	46,918
February	573,451	283,558	245,447	3,445	41,001
March	693,489	349,742	296,454	3,831	43,463
April	640,489	326,706	268,102	3,158	42,523
May	723,289	374,999	302,060	3,443	42,787
June	870,696	438,191	384,666	3,771	44,068
July	1,091,770	554,104	486,788	4,170	46,707
August	1,049,281	530,700	469,818	4,173	44,590
Sept	876,462	440,975	390,611	3,897	40,978
October	793,981	397,778	351,044	3,715	41,445
November	679,061	337,407	294,822	3,524	43,308
December	785,101	388,941	345,378	3,781	47,000
Year 2018					
January	811,671	420,768	340,304	3,811	46,789
February	683,640	340,742	297,957	3,553	41,388
Year to Date					
2016	1,488,122	743,123	652,281	6,842	85,876
2017	1,237,159	613,248	528,690	7,302	87,919
2018	1,495,311	761,510	638,261	7,363	88,177
Rolling 12 Months Ending in February					
2017	9,919,147	4,889,019	4,447,784	46,763	535,581
2018	9,698,929	4,901,052	4,228,004	44,827	525,045

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.
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Table 2.4.B. Natural Gas: Consumption for Useful Thermal Output, by Sector, 2008-February 2018 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	935,098	8,060	283,372	46,287	597,379
2016	1,151,866	38,096	356,905	80,943	675,922
2017	1,156,214	42,382	336,461	75,988	701,383
Year 2016					
January	102,014	3,434	32,304	7,160	59,117
February	92,405	3,264	29,348	6,354	53,439
March	95,161	3,002	30,664	6,298	55,197
April	88,634	2,286	27,002	6,104	53,241
May	92,471	2,888	29,069	6,096	54,418
June	96,618	3,649	30,019	6,907	56,043
July	102,867	3,805	32,099	8,142	58,821
August	105,025	3,723	33,436	8,377	59,489
Sept	95,330	2,973	29,581	6,850	55,926
October	92,360	2,740	27,138	6,125	56,357
November	90,321	2,812	27,191	5,773	54,544
December	98,660	3,520	29,054	6,758	59,328
Year 2017					
January	101,763	3,768	30,660	7,653	59,682
February	91,904	3,190	26,545	6,508	55,660
March	98,721	3,441	29,333	6,528	59,418
April	90,079	3,049	26,033	5,446	55,552
May	90,682	2,960	26,132	5,562	56,028
June	93,506	3,422	27,809	6,089	56,187
July	100,187	4,092	29,292	6,547	60,257
August	97,901	3,982	29,182	6,392	58,346
Sept	93,871	3,664	26,818	5,998	57,391
October	95,459	3,602	27,375	6,139	58,343
November	95,225	3,299	27,285	6,155	58,485
December	106,914	3,913	29,997	6,971	66,034
Year 2018					
January	107,009	3,626	30,197	7,559	65,626
February	95,990	3,327	28,006	6,727	57,930
Year to Date					
2016	194,419	6,698	61,652	13,513	112,556
2017	193,667	6,958	57,205	14,161	115,343
2018	202,998	6,954	58,203	14,286	123,556
Rolling 12 Months Ending in February					
2017	1,151,114	38,357	352,458	81,590	678,708
2018	1,165,545	42,377	337,459	76,113	709,597

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 2.4.C. Natural Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2008-February 2018 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	10,951,674	4,753,315	4,860,055	116,380	1,221,924
2016	11,321,975	5,056,990	4,928,280	127,246	1,209,459
2017	10,596,991	4,795,172	4,454,894	120,753	1,226,171
Year 2016					
January	888,054	393,680	380,273	10,658	103,442
February	794,487	356,141	333,659	9,697	94,990
March	853,505	380,955	363,811	9,791	98,949
April	823,234	364,349	354,544	9,383	94,958
May	911,816	410,066	394,365	9,716	97,669
June	1,082,340	501,265	469,043	11,016	101,016
July	1,260,455	572,833	567,135	13,330	107,158
August	1,273,362	568,640	582,596	13,761	108,365
Sept	1,027,371	454,547	460,740	11,073	101,012
October	852,970	370,827	372,969	9,800	99,374
November	769,325	336,785	325,260	8,716	98,563
December	785,056	346,904	323,883	10,305	103,965
Year 2017					
January	765,471	333,459	313,903	11,509	106,600
February	665,355	286,748	271,992	9,953	96,662
March	792,211	353,183	325,787	10,359	102,882
April	730,568	329,755	294,135	8,603	98,075
May	813,971	377,959	328,192	9,005	98,815
June	964,202	441,612	412,475	9,860	100,255
July	1,191,957	558,196	516,079	10,718	106,964
August	1,147,182	534,682	499,000	10,564	102,936
Sept	970,332	444,639	417,429	9,895	98,369
October	889,440	401,379	378,419	9,854	99,788
November	774,286	340,707	322,107	9,680	101,792
December	892,015	392,854	375,375	10,752	113,034
Year 2018					
January	918,680	424,394	370,502	11,369	112,415
February	779,630	344,070	325,963	10,280	99,318
Year to Date					
2016	1,682,541	749,821	713,933	20,356	198,432
2017	1,430,826	620,206	585,895	21,463	203,262
2018	1,698,310	768,464	696,464	21,649	211,733
Rolling 12 Months Ending in February					
2017	11,070,261	4,927,376	4,800,242	128,353	1,214,289
2018	10,864,474	4,943,430	4,565,463	120,940	1,234,642

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 2.5.A. Landfill Gas: Consumption for Electricity Generation, by Sector, 2008-February 2018 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	282,530	25,257	227,381	25,250	4,642
2016	273,557	24,280	224,993	20,445	3,839
2017	267,266	25,169	219,253	18,957	3,888
Year 2016					
January	22,612	2,036	18,360	1,865	351
February	21,859	2,088	17,744	1,705	323
March	23,337	2,187	19,021	1,786	343
April	22,556	2,080	18,805	1,340	331
May	23,744	2,120	19,554	1,717	354
June	22,668	1,896	18,683	1,768	320
July	23,052	1,950	19,047	1,734	321
August	23,038	2,011	18,978	1,726	324
Sept	21,757	2,010	17,792	1,678	278
October	20,377	1,922	16,583	1,610	263
November	24,047	1,941	20,036	1,762	307
December	24,510	2,041	20,392	1,753	324
Year 2017					
January	23,634	2,207	19,369	1,687	371
February	21,208	2,062	17,332	1,463	351
March	23,157	2,249	18,842	1,672	394
April	21,387	2,091	17,433	1,516	348
May	21,919	2,234	17,939	1,460	286
June	21,978	1,939	18,174	1,547	318
July	22,785	1,979	18,962	1,583	261
August	22,973	2,081	18,999	1,598	296
Sept	21,810	1,990	17,980	1,560	280
October	21,579	2,019	17,839	1,410	311
November	21,839	2,108	17,726	1,671	333
December	22,997	2,209	18,658	1,791	339
Year 2018					
January	23,115	2,263	18,857	1,672	324
February	21,740	2,089	17,786	1,536	329
Year to Date					
2016	44,472	4,124	36,104	3,570	674
2017	44,842	4,269	36,702	3,150	722
2018	44,855	4,352	36,643	3,207	653
Rolling 12 Months Ending in February					
2017	273,928	24,425	225,591	20,025	3,887
2018	267,279	25,252	219,194	19,015	3,819

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 2.5.B. Landfill Gas: Consumption for Useful Thermal Output, by Sector, 2008-February 2018 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	1,522	2	644	515	362
2016	4,163	3	2,339	1,034	788
2017	4,870	6	2,836	1,099	928
Year 2016					
January	352	0	202	84	66
February	340	0	189	86	65
March	358	0	196	86	75
April	355	0	201	88	66
May	356	0	194	90	72
June	344	0	193	85	66
July	335	0	181	87	66
August	332	0	181	82	68
Sept	327	0	187	81	59
October	301	0	157	87	56
November	378	0	227	86	66
December	387	0	230	91	65
Year 2017					
January	461	0	292	94	75
February	437	0	274	92	70
March	482	1	313	92	76
April	409	0	222	107	80
May	292	0	133	85	73
June	378	1	190	89	98
July	365	1	209	85	71
August	409	1	214	98	96
Sept	360	1	179	98	82
October	396	1	249	93	54
November	428	0	278	85	65
December	452	0	282	81	89
Year 2018					
January	465	1	330	65	69
February	412	0	285	58	69
Year to Date					
2016	692	1	391	170	131
2017	899	1	567	186	145
2018	878	1	615	124	139
Rolling 12 Months Ending in February					
2017	4,370	3	2,515	1,050	802
2018	4,849	6	2,884	1,036	922

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 2016 and prior years are final. Values for 2017 and 2018 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, 2008-February 2018 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	284,052	25,259	228,024	25,765	5,004
2016	277,720	24,283	227,332	21,479	4,626
2017	272,136	25,175	222,089	20,056	4,816
Year 2016					
January	22,964	2,036	18,562	1,949	417
February	22,200	2,088	17,933	1,791	388
March	23,694	2,187	19,217	1,873	417
April	22,911	2,081	19,005	1,428	397
May	24,100	2,120	19,748	1,807	425
June	23,012	1,896	18,876	1,853	386
July	23,387	1,950	19,229	1,822	386
August	23,370	2,011	19,159	1,808	392
Sept	22,084	2,010	17,978	1,759	337
October	20,678	1,922	16,740	1,697	319
November	24,425	1,941	20,263	1,848	373
December	24,897	2,042	20,622	1,845	388
Year 2017					
January	24,095	2,207	19,662	1,781	445
February	21,645	2,062	17,607	1,555	422
March	23,639	2,250	19,155	1,764	470
April	21,796	2,091	17,655	1,623	428
May	22,211	2,235	18,072	1,546	359
June	22,356	1,940	18,364	1,636	415
July	23,150	1,980	19,172	1,667	332
August	23,382	2,082	19,213	1,696	392
Sept	22,170	1,991	18,159	1,658	362
October	21,975	2,020	18,088	1,503	365
November	22,267	2,109	18,004	1,756	398
December	23,449	2,209	18,940	1,872	428
Year 2018					
January	23,580	2,264	19,187	1,737	393
February	22,153	2,090	18,071	1,594	399
Year to Date					
2016	45,163	4,124	36,495	3,740	805
2017	45,741	4,269	37,268	3,336	867
2018	45,733	4,353	37,257	3,331	792
Rolling 12 Months Ending in February					
2017	278,297	24,428	228,105	21,075	4,689
2018	272,129	25,259	222,078	20,051	4,741

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, 2008-February 2018 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	16,631	452	13,797	2,375	8
2016	16,994	464	13,953	2,566	11
2017	16,081	422	13,203	2,448	8
Year 2016					
January	1,398	34	1,161	202	1
February	1,283	27	1,081	174	1
March	1,344	41	1,091	211	1
April	1,413	40	1,153	219	1
May	1,463	44	1,205	214	1
June	1,468	40	1,202	225	1
July	1,486	37	1,212	236	1
August	1,509	42	1,233	233	1
Sept	1,397	43	1,142	210	1
October	1,378	37	1,127	213	1
November	1,379	39	1,127	212	1
December	1,476	38	1,220	218	0
Year 2017					
January	1,412	35	1,179	198	0
February	1,223	19	1,020	185	0
March	1,308	36	1,075	197	0
April	1,270	35	1,033	201	0
May	1,386	36	1,130	219	1
June	1,399	38	1,160	199	1
July	1,416	41	1,156	218	1
August	1,428	47	1,166	215	1
Sept	1,299	41	1,057	200	1
October	1,296	33	1,051	210	1
November	1,289	30	1,059	200	1
December	1,356	32	1,117	206	1
Year 2018					
January	1,350	28	1,132	190	0
February	1,278	26	1,076	175	1
Year to Date					
2016	2,681	61	2,242	376	2
2017	2,636	54	2,199	383	0
2018	2,628	53	2,208	365	1
Rolling 12 Months Ending in February					
2017	16,949	456	13,910	2,573	9
2018	16,074	422	13,213	2,430	9

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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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, 2008-February 2018 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	1,986	0	655	1,127	203
2016	2,232	0	885	1,134	213
2017	1,984	0	814	962	208
Year 2016					
January	191	0	80	92	18
February	189	0	87	88	14
March	219	0	96	104	19
April	181	0	65	98	18
May	182	0	70	96	17
June	172	0	73	81	18
July	186	0	74	96	16
August	191	0	71	96	23
Sept	176	0	64	95	18
October	179	0	65	95	19
November	180	0	68	94	17
December	185	0	71	98	16
Year 2017					
January	191	0	72	99	20
February	160	0	64	84	12
March	176	0	75	82	19
April	161	0	69	74	18
May	171	0	69	84	18
June	172	0	68	88	16
July	173	0	72	84	17
August	183	0	77	84	22
Sept	143	0	63	63	17
October	143	0	59	66	18
November	155	0	64	76	15
December	157	0	63	77	17
Year 2018					
January	170	0	64	90	17
February	151	0	60	80	12
Year to Date					
2016	380	0	167	181	33
2017	352	0	136	183	32
2018	321	0	124	169	28
Rolling 12 Months Ending in February					
2017	2,203	0	855	1,136	213
2018	1,954	0	801	948	204

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 2.6.C. Biogenic Municipal Solid Waste: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2008-February 2018 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	18,617	452	14,452	3,502	211
2016	19,226	464	14,838	3,700	224
2017	18,065	422	14,017	3,410	216
Year 2016					
January	1,589	34	1,241	295	19
February	1,472	27	1,167	262	15
March	1,563	41	1,188	315	19
April	1,594	40	1,218	317	18
May	1,646	44	1,274	310	18
June	1,640	40	1,275	305	19
July	1,673	37	1,286	332	17
August	1,700	42	1,304	330	25
Sept	1,573	43	1,206	305	19
October	1,557	37	1,192	308	20
November	1,559	39	1,195	306	18
December	1,661	38	1,291	316	16
Year 2017					
January	1,604	35	1,251	298	20
February	1,383	19	1,084	269	12
March	1,483	36	1,150	279	19
April	1,431	35	1,102	276	18
May	1,556	36	1,198	303	19
June	1,570	38	1,228	287	17
July	1,589	41	1,228	302	18
August	1,612	47	1,243	299	23
Sept	1,441	41	1,120	262	18
October	1,439	33	1,110	276	19
November	1,444	30	1,123	276	15
December	1,513	32	1,180	283	18
Year 2018					
January	1,521	28	1,196	279	17
February	1,429	26	1,136	255	13
Year to Date					
2016	3,061	61	2,409	557	34
2017	2,987	54	2,335	566	32
2018	2,949	53	2,332	534	30
Rolling 12 Months Ending in February					
2017	19,152	456	14,765	3,709	222
2018	18,027	422	14,014	3,378	214

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, 2008-February 2018 (Billion Btus)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	406,650	43,919	171,387	504	190,840
2016	359,983	41,036	149,516	473	168,959
2017	380,237	43,952	165,861	460	169,964
Year 2016					
January	31,835	4,082	13,250	40	14,463
February	30,721	3,797	13,249	41	13,634
March	30,380	3,388	13,073	23	13,897
April	25,323	2,547	10,177	31	12,569
May	26,827	2,497	10,522	14	13,794
June	29,961	3,835	11,762	59	14,305
July	32,167	4,067	13,230	51	14,818
August	33,526	4,113	14,559	72	14,782
Sept	30,502	3,489	13,145	51	13,817
October	27,598	2,574	11,139	29	13,857
November	29,176	2,597	12,211	20	14,349
December	31,967	4,051	13,200	42	14,674
Year 2017					
January	31,706	3,909	13,533	56	14,208
February	29,797	3,477	12,653	50	13,617
March	32,848	4,094	14,372	26	14,356
April	29,061	3,047	12,331	34	13,650
May	30,151	3,584	12,937	43	13,587
June	31,698	3,694	13,829	38	14,138
July	34,231	3,839	15,149	41	15,202
August	34,458	3,818	15,424	41	15,175
Sept	29,493	3,091	13,170	15	13,216
October	32,025	3,893	14,392	33	13,707
November	31,331	3,512	13,877	41	13,901
December	33,438	3,995	14,193	43	15,207
Year 2018					
January	33,483	4,263	14,402	63	14,755
February	29,907	3,562	12,743	42	13,560
Year to Date					
2016	62,556	7,878	26,499	81	28,098
2017	61,503	7,386	26,186	106	27,825
2018	63,391	7,825	27,145	105	28,315
Rolling 12 Months Ending in February					
2017	358,930	40,543	149,203	498	168,686
2018	382,125	44,392	166,820	459	170,453

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, 2008-February 2018 (Billion Btus)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	943,962	9,351	19,200	3,714	911,697
2016	969,841	10,950	22,905	4,520	931,465
2017	978,290	11,830	25,325	4,522	936,612
Year 2016					
January	84,483	1,087	2,270	460	80,665
February	79,157	1,150	2,299	415	75,293
March	79,225	1,084	1,926	288	75,928
April	74,954	732	1,780	353	72,089
May	78,419	949	1,753	280	75,437
June	79,180	707	1,832	415	76,225
July	80,796	943	1,826	384	77,644
August	81,164	931	1,794	442	77,998
Sept	75,314	513	1,918	395	72,488
October	76,347	508	1,450	347	74,041
November	80,391	1,132	1,898	340	77,021
December	100,410	1,214	2,159	401	96,636
Year 2017					
January	85,579	1,076	2,005	525	81,973
February	79,087	985	1,792	430	75,881
March	81,473	1,068	2,428	299	77,678
April	77,440	879	2,063	295	74,203
May	78,630	887	2,209	301	75,234
June	80,934	1,051	2,297	322	77,264
July	83,942	1,105	2,079	355	80,403
August	85,888	1,140	2,000	365	82,383
Sept	77,237	979	1,998	233	74,027
October	79,472	933	2,035	402	76,102
November	81,151	782	2,106	473	77,790
December	87,457	946	2,314	524	83,673
Year 2018					
January	83,887	872	2,159	454	80,402
February	78,816	777	2,229	474	75,336
Year to Date					
2016	163,640	2,238	4,569	875	155,958
2017	164,666	2,061	3,796	955	157,853
2018	162,703	1,649	4,388	927	155,739
Rolling 12 Months Ending in February					
2017	970,867	10,774	22,132	4,601	933,360
2018	976,327	11,418	25,917	4,495	934,498

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 2.8.A. Consumption of Coal for Electricity Generation by State, by Sector, February 2018 and February 2017 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	54	195	-72.0%	38	21	16	173	0	0	NM	NM
Connecticut	14	0	--	0	0	14	0	0	0	0	0
Maine	2	2	-12.0%	0	0	1	2	0	0	NM	NM
Massachusetts	0	172	-100.0%	0	0	0	172	0	0	0	0
New Hampshire	38	21	83.0%	38	21	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	1,851	1,758	5.3%	0	0	1,843	1,743	0	0	8	15
New Jersey	36	37	-4.0%	0	0	36	37	0	0	0	0
New York	7	26	-74.0%	0	0	5	18	0	0	1	8
Pennsylvania	1,809	1,694	6.7%	0	0	1,802	1,688	0	0	6	6
East North Central	11,249	10,947	2.8%	6,685	6,798	4,497	4,091	2	1	65	57
Illinois	2,836	2,365	20.0%	200	211	2,592	2,113	1	1	43	40
Indiana	2,564	2,717	-5.6%	2,419	2,606	143	110	1	0	0	0
Michigan	1,978	1,787	11.0%	1,955	1,768	17	19	0	0	6	1
Ohio	2,220	2,328	-4.6%	475	479	1,745	1,849	0	0	0	0
Wisconsin	1,652	1,750	-5.6%	1,635	1,734	0	0	0	0	16	15
West North Central	9,554	8,611	11.0%	9,442	8,499	0	0	2	4	110	108
Iowa	1,215	685	77.0%	1,174	643	0	0	1	2	39	40
Kansas	1,072	923	16.0%	1,072	923	0	0	0	0	0	0
Minnesota	1,100	1,087	1.2%	1,069	1,056	0	0	0	0	31	30
Missouri	3,031	2,914	4.0%	3,031	2,913	0	0	0	1	0	0
Nebraska	1,193	1,066	12.0%	1,157	1,031	0	0	0	0	36	35
North Dakota	1,793	1,846	-2.9%	1,790	1,843	0	0	0	0	3	3
South Dakota	150	89	68.0%	150	89	0	0	0	0	0	0
South Atlantic	5,153	5,612	-8.2%	4,437	5,028	688	567	2	1	27	15
Delaware	3	7	-62.0%	0	0	3	7	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	772	1,206	-36.0%	770	1,204	0	0	0	0	2	2
Georgia	834	721	16.0%	832	718	0	0	0	0	3	3
Maryland	260	207	25.0%	0	0	258	206	0	0	2	2
North Carolina	538	615	-13.0%	532	608	2	3	1	1	3	3
South Carolina	477	470	1.5%	476	470	0	0	0	0	1	0
Virginia	239	290	-17.0%	214	275	7	9	0	0	18	5
West Virginia	2,030	2,095	-3.1%	1,612	1,753	418	342	0	0	0	0
East South Central	4,081	4,414	-7.5%	3,851	4,214	216	187	0	0	14	13
Alabama	1,175	1,297	-9.4%	1,174	1,295	0	0	0	0	1	NM
Kentucky	1,907	2,129	-10.0%	1,907	2,129	0	0	0	0	0	0
Mississippi	248	222	11.0%	32	36	216	187	0	0	0	0
Tennessee	751	766	-1.9%	739	755	0	0	0	0	13	11
West South Central	7,262	8,609	-16.0%	4,015	4,423	3,236	4,173	0	0	12	14
Arkansas	1,003	1,103	-9.1%	777	927	225	176	0	0	1	1
Louisiana	567	715	-21.0%	384	506	183	209	0	0	0	0
Oklahoma	778	820	-5.1%	683	753	84	53	0	0	11	14
Texas	4,915	5,972	-18.0%	2,171	2,237	2,744	3,735	0	0	0	0
Mountain	6,387	7,326	-13.0%	5,504	6,410	874	908	0	0	9	8
Arizona	1,288	1,338	-3.7%	1,288	1,338	0	0	0	0	0	0
Colorado	1,169	1,368	-15.0%	1,168	1,367	0	0	0	0	0	0
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	779	817	-4.6%	23	23	756	793	0	0	0	0
Nevada	43	100	-57.0%	0	62	43	37	0	0	0	0
New Mexico	304	838	-64.0%	304	838	0	0	0	0	0	0
Utah	913	918	-0.5%	877	884	36	35	0	0	0	0
Wyoming	1,891	1,947	-2.9%	1,844	1,898	40	43	0	0	8	7
Pacific Contiguous	51	325	-84.0%	0	111	46	208	0	0	5	6
California	5	5	-2.4%	0	0	0	0	0	0	5	5
Oregon	0	111	-100.0%	0	111	0	0	0	0	0	0
Washington	46	209	-78.0%	0	0	46	208	0	0	0	1
Pacific Noncontiguous	95	82	16.0%	NM	NM	72	61	3	3	0	0
Alaska	35	31	11.0%	NM	NM	11	10	3	3	0	0
Hawaii	61	51	19.0%	0	0	61	51	0	0	0	0
U.S. Total	45,738	47,878	-4.5%	33,993	35,521	11,488	12,112	8	10	249	235

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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 2018 and February 2017 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
New England	263	356	-26.0%	143	40	119	316	0	0	NM	NM
Connecticut	116	26	350.0%	0	0	116	26	0	0	0	0
Maine	4	4	2.9%	0	0	3	3	0	0	NM	NM
Massachusetts	0	287	-100.0%	0	0	0	287	0	0	0	0
New Hampshire	143	40	260.0%	143	40	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	4,615	4,021	15.0%	0	0	4,598	3,989	0	0	16	32
New Jersey	114	92	24.0%	0	0	114	92	0	0	0	0
New York	108	71	52.0%	0	0	106	54	0	0	3	17
Pennsylvania	4,392	3,857	14.0%	0	0	4,378	3,843	0	0	14	14
East North Central	25,913	24,611	5.3%	15,749	15,037	10,020	9,448	5	3	140	123
Illinois	6,366	5,794	9.9%	411	399	5,857	5,304	3	2	94	88
Indiana	6,634	6,289	5.5%	6,315	6,030	317	258	1	0	0	0
Michigan	4,378	3,972	10.0%	4,334	3,931	36	38	0	0	9	2
Ohio	4,898	4,804	2.0%	1,087	957	3,810	3,847	0	0	0	0
Wisconsin	3,638	3,752	-3.0%	3,601	3,719	0	0	0	0	37	33
West North Central	20,888	20,003	4.4%	20,651	19,774	0	0	4	8	232	221
Iowa	2,574	2,307	12.0%	2,487	2,221	0	0	3	5	84	81
Kansas	2,366	2,210	7.0%	2,366	2,210	0	0	0	0	0	0
Minnesota	2,503	2,509	-0.3%	2,437	2,443	0	0	0	1	66	65
Missouri	6,753	6,630	1.9%	6,751	6,627	0	0	1	3	0	0
Nebraska	2,490	2,348	6.0%	2,414	2,280	0	0	0	0	75	69
North Dakota	3,892	3,773	3.2%	3,886	3,768	0	0	0	0	7	6
South Dakota	311	225	38.0%	311	225	0	0	0	0	0	0
South Atlantic	15,195	13,984	8.7%	13,157	12,373	1,986	1,571	4	3	47	37
Delaware	49	16	216.0%	0	0	49	16	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2,212	2,635	-16.0%	2,208	2,631	0	0	0	0	4	4
Georgia	2,669	2,029	32.0%	2,662	2,024	0	0	0	0	6	5
Maryland	915	546	68.0%	0	0	912	542	0	0	4	4
North Carolina	2,386	1,772	35.0%	2,371	1,755	5	8	3	3	6	6
South Carolina	1,323	1,194	11.0%	1,322	1,193	0	0	0	0	2	1
Virginia	907	948	-4.3%	830	899	50	32	1	1	26	16
West Virginia	4,734	4,845	-2.3%	3,764	3,871	970	974	0	0	0	0
East South Central	10,634	10,292	3.3%	10,109	9,896	497	369	0	0	28	27
Alabama	3,062	2,634	16.0%	3,059	2,632	0	0	0	0	2	2
Kentucky	4,587	4,968	-7.7%	4,587	4,968	0	0	0	0	0	0
Mississippi	695	594	17.0%	199	225	497	369	0	0	0	0
Tennessee	2,290	2,097	9.2%	2,264	2,072	0	0	0	0	26	25
West South Central	18,067	20,701	-13.0%	9,863	10,521	8,177	10,148	0	0	27	31
Arkansas	2,696	2,915	-7.5%	2,206	2,586	488	327	0	0	2	2
Louisiana	1,442	1,673	-14.0%	926	1,099	516	574	0	0	0	0
Oklahoma	1,908	2,036	-6.3%	1,712	1,872	171	134	0	0	25	30
Texas	12,021	14,078	-15.0%	5,019	4,964	7,002	9,113	0	0	0	0
Mountain	14,010	16,254	-14.0%	12,040	14,271	1,951	1,966	0	0	19	17
Arizona	2,780	2,885	-3.6%	2,780	2,885	0	0	0	0	0	0
Colorado	2,481	2,960	-16.0%	2,480	2,959	0	0	0	0	1	1
Idaho	1	1	7.2%	0	0	0	0	0	0	1	1
Montana	1,746	1,771	-1.4%	41	50	1,703	1,720	0	0	1	1
Nevada	92	213	-57.0%	0	132	92	82	0	0	0	0
New Mexico	763	1,944	-61.0%	763	1,944	0	0	0	0	0	0
Utah	2,007	2,141	-6.3%	1,934	2,067	73	74	0	0	0	0
Wyoming	4,141	4,340	-4.6%	4,042	4,235	83	90	0	0	16	15
Pacific Contiguous	511	892	-43.0%	0	334	499	546	0	0	11	12
California	10	10	-2.1%	0	0	0	0	0	0	10	10
Oregon	0	334	-100.0%	0	334	0	0	0	0	0	0
Washington	501	547	-8.5%	0	0	499	546	0	0	1	2
Pacific Noncontiguous	199	159	25.0%	NM	NM	150	113	7	6	0	0
Alaska	73	69	5.2%	NM	NM	24	23	7	6	0	0
Hawaii	126	90	40.0%	0	0	126	90	0	0	0	0
U.S. Total	110,294	111,272	-0.9%	81,755	82,285	27,998	28,466	20	21	521	500

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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 2018 and February 2017 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	18	88	-80.0%	4	7	9	77	3	4	1	1
Connecticut	NM	8	NM	1	1	NM	8	NM	NM	0	0
Maine	1	8	-81.0%	0	0	0	7	0	0	1	0
Massachusetts	4	63	-94.0%	NM	NM	3	61	NM	1	0	0
New Hampshire	5	6	-14.0%	3	4	NM	NM	2	2	0	0
Rhode Island	1	3	-57.0%	0	1	NM	NM	0	1	0	0
Vermont	NM	1	NM	NM	1	0	0	0	0	0	0
Middle Atlantic	86	119	-27.0%	25	48	52	64	3	NM	6	5
New Jersey	3	NM	NM	NM	NM	3	NM	0	0	0	0
New York	57	74	-23.0%	25	48	26	22	NM	NM	5	4
Pennsylvania	26	43	-38.0%	0	0	24	40	2	1	NM	2
East North Central	64	59	9.2%	39	39	23	18	0	0	2	1
Illinois	7	9	-20.0%	1	1	6	8	NM	NM	0	0
Indiana	12	13	-5.6%	10	12	1	0	0	0	1	1
Michigan	16	10	56.0%	16	10	0	0	0	0	NM	0
Ohio	24	24	0.5%	8	13	16	10	0	0	0	0
Wisconsin	NM	3	NM	NM	3	0	0	0	0	NM	NM
West North Central	61	38	61.0%	41	37	19	NM	0	0	0	0
Iowa	15	8	83.0%	15	8	NM	NM	0	0	0	0
Kansas	7	7	3.8%	7	7	0	0	0	0	0	0
Minnesota	23	NM	NM	NM	4	19	NM	0	0	0	0
Missouri	9	9	-6.8%	9	9	NM	NM	0	0	0	0
Nebraska	NM	NM	NM	NM	NM	0	0	0	0	0	0
North Dakota	5	8	-40.0%	5	8	0	0	0	0	0	0
South Dakota	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
South Atlantic	115	225	-49.0%	85	162	20	55	6	5	4	NM
Delaware	NM	NM	NM	1	0	NM	NM	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	17	76	-78.0%	16	75	0	1	0	0	NM	NM
Georgia	11	11	-0.7%	9	7	NM	NM	0	0	NM	NM
Maryland	12	9	39.0%	0	0	11	8	0	0	0	0
North Carolina	16	24	-33.0%	15	22	NM	NM	0	0	NM	NM
South Carolina	6	10	-47.0%	4	10	1	0	NM	0	1	0
Virginia	19	64	-71.0%	7	21	5	37	6	5	NM	NM
West Virginia	32	26	20.0%	32	26	0	0	0	0	0	0
East South Central	28	35	-21.0%	27	34	NM	NM	0	0	NM	NM
Alabama	NM	NM	NM	2	3	NM	NM	0	0	NM	NM
Kentucky	16	17	-4.1%	16	17	0	0	0	0	0	0
Mississippi	1	NM	NM	NM	NM	0	0	0	0	0	0
Tennessee	8	14	-43.0%	8	14	0	0	0	0	0	0
West South Central	17	31	-46.0%	15	12	NM	19	0	0	0	0
Arkansas	7	15	-50.0%	7	2	0	12	0	0	0	0
Louisiana	NM	NM	NM	NM	NM	0	0	0	0	0	0
Oklahoma	2	2	31.0%	2	2	0	0	0	0	0	0
Texas	5	12	-56.0%	4	6	NM	6	0	0	0	0
Mountain	27	35	-23.0%	26	34	1	1	0	0	0	0
Arizona	10	11	-7.2%	10	11	0	0	0	0	0	0
Colorado	NM	2	NM	NM	2	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	NM	1	NM	NM	NM	NM	1	0	0	0	0
Nevada	0	0	26.0%	0	0	0	0	0	0	0	0
New Mexico	NM	9	NM	NM	9	0	0	0	0	0	0
Utah	5	4	19.0%	5	4	0	0	0	0	0	0
Wyoming	5	7	-37.0%	5	7	0	0	0	0	0	0
Pacific Contiguous	15	16	-9.7%	NM	9	1	1	0	0	9	6
California	14	11	21.0%	NM	5	0	0	0	0	8	6
Oregon	0	3	-100.0%	0	3	0	0	0	0	0	0
Washington	1	3	-52.0%	NM	2	1	0	0	0	1	1
Pacific Noncontiguous	947	923	2.6%	832	774	92	127	2	1	21	21
Alaska	125	142	-12.0%	119	135	0	0	1	1	5	6
Hawaii	822	781	5.2%	713	639	92	127	1	1	16	15
U.S. Total	1,377	1,569	-12.0%	1,100	1,157	218	362	15	13	44	38

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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 2018 and February 2017 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
New England	1,452	162	797.0%	244	15	1,184	135	NM	10	NM	1
Connecticut	303	22	NM	NM	2	297	19	NM	NM	1	0
Maine	254	34	658.0%	0	0	247	31	1	1	NM	1
Massachusetts	577	88	553.0%	80	NM	488	81	NM	5	1	0
New Hampshire	238	11	NM	154	7	79	NM	5	3	0	0
Rhode Island	NM	6	NM	0	3	NM	NM	1	1	0	0
Vermont	NM	2	NM	NM	2	0	0	0	0	0	0
Middle Atlantic	3,189	286	NM	1,054	104	2,107	166	NM	NM	NM	12
New Jersey	313	27	NM	3	NM	308	27	2	0	1	0
New York	2,183	164	NM	1,049	104	1,117	50	NM	NM	NM	8
Pennsylvania	692	95	626.0%	2	0	683	89	3	2	NM	5
East North Central	281	147	92.0%	131	92	142	51	NM	1	5	3
Illinois	NM	20	NM	NM	3	NM	17	NM	NM	0	0
Indiana	42	29	45.0%	37	27	1	0	0	0	5	2
Michigan	32	26	21.0%	31	25	0	0	1	0	0	0
Ohio	168	59	184.0%	48	24	119	34	0	0	1	0
Wisconsin	NM	13	NM	NM	12	0	0	0	0	NM	NM
West North Central	NM	101	NM	NM	99	NM	NM	1	0	0	0
Iowa	32	29	11.0%	32	28	NM	NM	0	0	0	0
Kansas	NM	15	NM	NM	15	0	0	0	0	0	0
Minnesota	NM	11	NM	NM	10	NM	NM	0	0	0	0
Missouri	60	20	192.0%	60	20	NM	NM	0	0	0	0
Nebraska	NM	NM	NM	NM	NM	0	0	0	0	0	0
North Dakota	9	21	-60.0%	8	21	0	0	0	0	0	0
South Dakota	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
South Atlantic	2,958	519	470.0%	1,898	374	1,000	122	36	13	24	9
Delaware	205	NM	NM	11	0	194	NM	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	NM	123	NM	NM	119	NM	NM	0	0	NM	NM
Georgia	NM	35	NM	NM	23	NM	NM	4	1	NM	NM
Maryland	392	36	975.0%	5	1	384	35	1	0	1	0
North Carolina	593	82	620.0%	553	77	NM	NM	0	0	NM	1
South Carolina	NM	26	NM	NM	24	42	1	NM	0	3	1
Virginia	845	156	441.0%	NM	82	186	60	31	13	NM	1
West Virginia	73	47	54.0%	56	47	17	0	0	0	0	0
East South Central	186	94	98.0%	NM	88	57	4	0	0	NM	NM
Alabama	96	16	483.0%	NM	11	57	4	0	0	NM	NM
Kentucky	36	37	-1.5%	36	37	0	0	0	0	0	0
Mississippi	NM	5	NM	NM	5	0	0	0	0	1	0
Tennessee	46	36	30.0%	46	35	0	0	0	0	0	0
West South Central	NM	54	NM	NM	24	NM	29	0	0	2	1
Arkansas	NM	23	NM	NM	5	0	18	0	0	2	0
Louisiana	NM	NM	NM	NM	NM	0	0	0	0	0	0
Oklahoma	5	5	-4.6%	4	5	0	0	0	0	0	0
Texas	NM	22	NM	NM	11	NM	11	0	0	0	0
Mountain	58	81	-29.0%	54	73	4	8	0	0	0	0
Arizona	20	24	-14.0%	20	24	0	0	0	0	0	0
Colorado	7	3	104.0%	7	3	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	3	8	-60.0%	NM	NM	3	7	0	0	0	0
Nevada	1	1	-7.8%	0	0	1	1	0	0	0	0
New Mexico	NM	21	NM	NM	21	0	0	0	0	0	0
Utah	11	10	5.9%	11	10	0	0	0	0	0	0
Wyoming	9	15	-38.0%	9	15	0	0	0	0	0	0
Pacific Contiguous	22	35	-38.0%	10	19	2	7	0	0	9	9
California	19	19	2.2%	10	10	1	1	NM	0	8	8
Oregon	0	5	-100.0%	0	5	0	0	0	0	0	0
Washington	2	11	-79.0%	NM	3	NM	6	0	0	1	2
Pacific Noncontiguous	1,973	2,068	-4.6%	1,711	1,728	215	290	4	3	42	46
Alaska	283	334	-15.0%	269	319	0	0	2	2	11	13
Hawaii	1,690	1,734	-2.5%	1,442	1,410	215	290	2	1	31	33
U.S. Total	10,354	3,547	192.0%	5,420	2,616	4,749	815	73	33	112	84

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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 2.10.A. Consumption of Petroleum Coke for Electricity Generation by State, by Sector, February 2018 and February 2017 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	NM	NM	NM	0	0	0	0	0	0	NM	NM
New Jersey	1	1	57.0%	0	0	0	0	0	0	1	1
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	NM	NM	NM	0	0	0	0	0	0	NM	NM
East North Central	75	55	36.0%	58	30	NM	21	0	0	1	4
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	56	34	66.0%	55	30	0	0	0	0	1	4
Ohio	16	21	-24.0%	0	0	NM	21	0	0	0	0
Wisconsin	3	1	455.0%	3	1	0	0	0	0	0	0
West North Central	2	0	661.0%	0	0	0	0	0	0	1	0
Iowa	2	0	661.0%	0	0	0	0	0	0	1	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	48	30	62.0%	47	28	0	0	0	0	NM	NM
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	47	28	64.0%	47	28	0	0	0	0	0	0
Georgia	NM	NM	NM	0	0	0	0	0	0	NM	NM
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	13	-100.0%	0	13	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	13	-100.0%	0	13	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	132	152	-13.0%	129	146	0	0	0	0	3	6
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	131	148	-12.0%	129	146	0	0	0	0	2	3
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	NM	3	NM	0	0	0	0	0	0	NM	3
Mountain	13	12	15.0%	0	0	13	12	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	13	12	15.0%	0	0	13	12	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	272	263	3.6%	234	217	29	32	0	0	9	13

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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 2018 and February 2017 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 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	4	4	7.4%	0	0	0	0	0	0	4	4
New Jersey	2	1	17.0%	0	0	0	0	0	0	2	1
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	NM	NM	NM	0	0	0	0	0	0	NM	NM
East North Central	163	129	27.0%	121	75	38	46	0	0	4	8
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	117	80	47.0%	113	72	0	0	0	0	4	8
Ohio	38	46	-17.0%	0	0	38	46	0	0	0	0
Wisconsin	8	3	156.0%	8	3	0	0	0	0	0	0
West North Central	3	2	73.0%	0	0	0	0	1	1	2	1
Iowa	3	2	73.0%	0	0	0	0	1	1	2	1
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	74	63.0%	115	70	0	0	0	0	NM	4
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	115	70	65.0%	115	70	0	0	0	0	0	0
Georgia	NM	4	NM	0	0	0	0	0	0	NM	4
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	51	-100.0%	0	51	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	51	-100.0%	0	51	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	299	332	-10.0%	293	322	0	0	0	0	6	10
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	296	326	-9.1%	293	322	0	0	0	0	3	4
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	2	7	-62.0%	0	0	0	0	0	0	2	7
Mountain	27	26	2.5%	0	0	27	26	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	27	26	2.5%	0	0	27	26	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	616	618	-0.3%	530	518	65	72	1	1	20	26

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

Table 2.11.A. Consumption of Natural Gas for Electricity Generation by State, by Sector, February 2018 and February 2017 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	23,279	24,357	-4.4%	29	30	22,458	23,558	360	355	432	414
Connecticut	8,899	8,432	5.5%	25	28	8,518	8,062	159	157	196	185
Maine	585	1,194	-51.0%	0	0	466	NM	11	10	108	117
Massachusetts	10,983	11,165	-1.6%	0	0	10,700	10,900	172	169	112	97
New Hampshire	242	914	-74.0%	3	1	220	892	3	6	16	16
Rhode Island	2,568	2,651	-3.1%	0	0	2,553	2,638	15	13	0	0
Vermont	1	1	-39.0%	1	1	0	0	0	1	0	0
Middle Atlantic	78,281	72,063	8.6%	5,866	6,147	70,912	64,579	479	468	1,023	869
New Jersey	18,924	16,536	14.0%	NM	NM	18,610	16,227	72	71	170	155
New York	22,310	25,129	-11.0%	5,791	6,064	15,884	18,572	353	343	282	150
Pennsylvania	37,048	30,397	22.0%	4	0	36,419	29,780	54	54	571	564
East North Central	61,145	47,141	30.0%	22,330	19,432	36,073	25,322	605	573	2,137	1,814
Illinois	3,805	7,614	-50.0%	15	NM	3,257	6,570	150	126	383	325
Indiana	12,433	9,660	29.0%	4,587	7,321	6,744	1,456	74	88	1,028	795
Michigan	15,263	11,189	36.0%	4,046	3,432	10,455	7,050	248	236	514	471
Ohio	20,320	13,849	47.0%	4,612	3,675	15,526	10,009	98	96	84	71
Wisconsin	9,324	4,828	93.0%	9,070	4,411	91	237	34	28	128	152
West North Central	12,121	7,630	59.0%	10,305	6,225	1,489	1,166	117	98	210	142
Iowa	2,630	1,028	156.0%	2,468	948	0	0	43	20	119	60
Kansas	1,258	626	101.0%	1,255	621	0	0	0	0	3	5
Minnesota	4,060	2,859	42.0%	3,369	2,309	592	430	41	63	58	57
Missouri	3,035	2,178	39.0%	2,094	NM	897	NM	28	14	17	14
Nebraska	183	144	27.0%	177	143	0	0	6	1	0	0
North Dakota	626	525	19.0%	613	520	0	0	0	0	13	5
South Dakota	328	270	21.0%	328	270	0	0	0	0	0	0
South Atlantic	177,051	160,935	10.0%	147,132	134,724	27,589	23,868	564	511	1,766	1,832
Delaware	2,952	3,169	-6.8%	1	2	2,693	2,804	0	0	258	363
District of Columbia	55	67	-19.0%	0	0	0	0	55	67	0	0
Florida	81,821	72,864	12.0%	77,926	68,048	3,309	4,229	9	11	577	577
Georgia	27,733	27,933	-0.7%	22,210	22,204	5,241	5,465	0	0	282	265
Maryland	5,338	3,068	74.0%	1,488	0	3,325	2,607	489	425	37	36
North Carolina	22,558	21,976	2.6%	19,804	19,499	2,690	2,431	6	5	57	41
South Carolina	6,973	8,813	-21.0%	6,502	8,216	412	542	0	0	59	56
Virginia	29,284	22,738	29.0%	19,186	16,747	9,740	5,646	5	4	353	341
West Virginia	337	306	10.0%	15	9	NM	NM	0	0	142	153
East South Central	62,313	51,276	22.0%	44,596	34,335	16,702	15,939	92	74	924	927
Alabama	23,749	22,600	5.1%	8,559	8,435	14,718	13,673	0	0	472	491
Kentucky	6,970	4,376	59.0%	6,805	4,293	83	0	0	0	83	83
Mississippi	26,424	18,934	40.0%	24,349	16,522	1,885	2,247	16	6	175	160
Tennessee	5,169	5,366	-3.7%	4,882	5,085	17	19	76	69	194	193
West South Central	167,229	124,975	34.0%	48,661	35,293	89,180	60,482	250	288	29,138	28,912
Arkansas	10,581	7,130	48.0%	2,449	2,410	8,004	4,611	0	0	127	109
Louisiana	29,956	26,868	11.0%	16,807	13,836	1,457	1,641	57	62	11,635	11,330
Oklahoma	18,135	10,978	65.0%	9,829	7,486	8,087	3,359	0	0	220	134
Texas	108,558	79,998	36.0%	19,575	11,561	71,633	50,871	193	227	17,157	17,340
Mountain	46,154	33,802	37.0%	37,114	26,409	7,818	6,275	178	168	1,044	950
Arizona	12,030	5,439	121.0%	10,657	3,906	1,327	1,490	46	43	0	0
Colorado	9,732	5,420	80.0%	7,879	4,474	1,832	923	0	0	21	23
Idaho	1,116	1,143	-2.4%	374	609	680	468	14	14	48	52
Montana	309	291	6.1%	237	237	70	51	0	0	3	4
Nevada	12,943	12,973	-0.2%	11,497	11,607	1,224	1,219	20	16	202	131
New Mexico	5,789	5,039	15.0%	3,254	3,020	2,493	1,976	43	42	0	0
Utah	3,728	3,119	20.0%	3,075	2,529	190	148	55	53	407	389
Wyoming	507	378	34.0%	141	NM	3	0	0	0	364	351
Pacific Contiguous	53,977	49,768	8.5%	22,643	19,493	25,737	24,259	907	897	4,691	5,118
California	43,998	40,559	8.5%	18,046	15,728	20,479	18,942	878	875	4,595	5,014
Oregon	5,927	5,519	7.4%	2,352	1,876	3,515	3,588	19	13	40	42
Washington	4,052	3,689	9.8%	2,245	1,889	1,743	1,729	9	9	55	63
Pacific Noncontiguous	2,090	1,505	39.0%	2,066	1,470	0	0	1	12	22	23
Alaska	2,090	1,505	39.0%	2,066	1,470	0	0	1	12	22	23
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	683,640	573,451	19.0%	340,742	283,558	297,957	245,447	3,553	3,445	41,388	41,001

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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 2018 and February 2017 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
New England	49,898	52,512	-5.0%	NM	NM	48,017	50,756	704	748	943	914
Connecticut	18,507	18,889	-2.0%	64	65	17,744	18,081	299	326	400	416
Maine	1,733	2,753	-37.0%	0	0	1,429	2,469	22	21	281	263
Massachusetts	23,036	23,276	-1.0%	NM	NM	22,297	22,688	345	359	230	206
New Hampshire	1,179	2,038	-42.0%	4	2	1,135	1,994	6	12	33	30
Rhode Island	5,441	5,553	-2.0%	0	0	5,412	5,524	30	28	0	0
Vermont	2	3	-46.0%	1	2	0	0	1	1	0	0
Middle Atlantic	159,283	154,599	3.0%	13,322	13,126	142,991	138,705	979	987	1,991	1,780
New Jersey	35,715	36,276	-1.5%	NM	NM	35,017	35,598	145	153	338	325
New York	49,755	54,496	-8.7%	13,085	12,921	35,417	40,517	689	724	564	335
Pennsylvania	73,812	63,826	16.0%	22	5	72,556	62,590	146	111	1,089	1,121
East North Central	143,623	102,137	41.0%	57,882	43,629	80,122	53,302	1,252	1,213	4,367	3,993
Illinois	14,821	15,259	-2.9%	NM	NM	12,822	12,983	329	287	758	723
Indiana	28,717	20,863	38.0%	17,472	15,731	8,978	3,185	157	166	2,110	1,781
Michigan	34,858	26,232	33.0%	10,632	8,894	22,652	15,834	531	482	1,043	1,021
Ohio	46,523	28,825	61.0%	10,911	7,608	35,258	20,852	178	212	176	152
Wisconsin	18,704	10,958	71.0%	17,955	10,128	412	449	57	66	281	316
West North Central	27,765	19,170	45.0%	24,007	15,909	2,956	2,676	249	224	553	361
Iowa	5,624	2,751	104.0%	5,300	2,525	0	0	91	46	233	180
Kansas	3,047	1,519	101.0%	2,906	1,496	0	0	0	0	140	24
Minnesota	8,956	7,678	17.0%	7,427	6,292	1,329	1,120	83	147	117	119
Missouri	7,372	4,709	57.0%	5,644	3,092	1,627	1,556	65	28	35	33
Nebraska	454	419	8.2%	443	416	0	0	10	3	0	0
North Dakota	1,486	1,333	11.0%	1,460	1,328	0	0	0	0	27	5
South Dakota	827	760	8.7%	827	760	0	0	0	0	0	0
South Atlantic	376,317	325,587	16.0%	311,384	273,319	60,010	47,392	1,168	1,068	3,754	3,807
Delaware	5,613	6,205	-9.5%	1	4	5,093	5,433	0	0	519	768
District of Columbia	108	145	-25.0%	0	0	0	0	108	145	0	0
Florida	172,628	150,045	15.0%	162,383	140,265	8,989	8,538	21	25	1,236	1,218
Georgia	61,811	56,653	9.1%	48,114	45,184	13,066	10,917	0	0	631	552
Maryland	9,853	5,402	82.0%	2,788	0	5,975	4,453	1,013	877	77	73
North Carolina	47,528	44,041	7.9%	41,421	38,997	5,956	4,947	15	9	137	88
South Carolina	18,675	16,528	13.0%	15,874	14,996	2,666	1,392	1	2	134	137
Virginia	59,024	45,837	29.0%	40,479	33,754	17,802	11,422	10	10	732	650
West Virginia	1,075	730	47.0%	324	118	NM	NM	0	0	289	321
East South Central	156,261	112,649	39.0%	111,700	76,759	42,367	33,771	190	170	2,004	1,948
Alabama	56,742	47,642	19.0%	19,722	17,821	35,951	28,766	0	0	1,069	1,055
Kentucky	21,425	9,575	124.0%	19,950	9,194	1,298	205	0	0	177	176
Mississippi	63,284	44,670	42.0%	57,805	39,536	5,092	4,780	33	21	353	333
Tennessee	14,810	10,761	38.0%	14,223	10,208	26	20	157	150	404	384
West South Central	365,976	262,641	39.0%	113,377	72,727	189,990	127,496	534	617	62,075	61,801
Arkansas	22,433	11,650	93.0%	6,791	4,802	15,342	6,587	0	0	301	260
Louisiana	67,935	54,623	24.0%	38,139	26,451	4,544	3,636	110	130	25,142	24,406
Oklahoma	36,168	25,215	43.0%	20,463	17,035	15,280	7,903	0	0	426	277
Texas	239,439	171,153	40.0%	47,985	24,439	154,825	109,370	424	487	36,206	36,858
Mountain	94,371	81,770	15.0%	75,226	65,009	16,599	14,316	379	347	2,166	2,098
Arizona	23,849	15,009	59.0%	19,662	11,446	4,090	3,472	97	91	0	0
Colorado	19,775	13,377	48.0%	16,231	10,897	3,501	2,428	0	0	43	52
Idaho	2,510	2,974	-16.0%	915	1,632	1,459	1,182	29	30	106	129
Montana	673	699	-3.7%	550	560	117	132	0	0	6	7
Nevada	27,490	28,987	-5.2%	24,484	26,125	2,564	2,537	45	39	397	284
New Mexico	11,137	11,311	-1.5%	6,531	6,893	4,514	4,329	93	87	0	2
Utah	7,992	8,536	-6.4%	6,672	7,329	349	235	115	99	856	873
Wyoming	945	877	7.8%	181	125	5	0	0	0	759	752
Pacific Contiguous	117,124	122,230	-4.2%	49,720	48,874	55,210	60,277	1,906	1,910	10,288	11,169
California	92,777	95,472	-2.8%	37,609	36,598	43,232	46,058	1,847	1,864	10,088	10,951
Oregon	14,642	15,771	-7.2%	6,213	5,553	8,303	10,099	41	30	85	89
Washington	9,705	10,987	-12.0%	5,898	6,723	3,675	4,120	18	16	115	129
Pacific Noncontiguous	4,695	3,864	21.0%	4,657	3,801	0	0	2	17	36	47
Alaska	4,695	3,864	21.0%	4,657	3,801	0	0	2	17	36	47
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,495,311	1,237,159	21.0%	761,510	613,248	638,261	528,690	7,363	7,302	88,177	87,919

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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 2018 and February 2017 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	866	854	1.4%	0	0	847	835	19	20	0	0
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	NM	NM	NM	0	0	NM	NM	0	0	0	0
Massachusetts	337	333	1.3%	0	0	337	333	0	0	0	0
New Hampshire	82	83	-1.1%	0	0	63	NM	19	20	0	0
Rhode Island	325	321	1.3%	0	0	325	321	0	0	0	0
Vermont	NM	NM	NM	0	0	NM	NM	0	0	0	0
Middle Atlantic	4,313	4,272	1.0%	0	0	4,107	4,073	NM	NM	131	132
New Jersey	633	643	-1.5%	0	0	606	618	NM	NM	0	0
New York	1,318	1,266	4.1%	0	0	1,318	1,266	0	0	0	0
Pennsylvania	2,362	2,364	-0.1%	0	0	2,182	2,189	NM	NM	131	132
East North Central	4,993	5,137	-2.8%	591	632	4,368	4,452	NM	29	25	23
Illinois	919	1,038	-11.0%	30	36	890	1,002	0	0	0	0
Indiana	656	668	-1.9%	562	584	90	83	0	0	NM	1
Michigan	1,666	1,649	1.0%	0	0	1,666	1,649	0	0	0	0
Ohio	859	856	0.4%	0	0	859	856	0	0	0	0
Wisconsin	893	926	-3.6%	0	NM	863	862	NM	29	21	22
West North Central	954	812	17.0%	283	281	671	531	0	0	0	0
Iowa	213	94	126.0%	0	0	213	94	0	0	0	0
Kansas	115	109	4.7%	0	0	115	109	0	0	0	0
Minnesota	318	307	3.5%	NM	NM	248	236	0	0	0	0
Missouri	170	171	-0.8%	NM	NM	95	NM	0	0	0	0
Nebraska	139	131	6.1%	139	131	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	3,737	3,660	2.1%	380	383	3,071	2,975	112	106	174	196
Delaware	110	106	3.5%	0	0	98	NM	0	0	NM	NM
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	576	564	2.1%	130	133	446	431	0	0	0	0
Georgia	313	339	-7.4%	0	0	305	300	0	0	9	38
Maryland	233	226	3.3%	0	0	159	154	NM	NM	0	0
North Carolina	871	815	7.0%	0	0	855	800	NM	NM	0	0
South Carolina	431	421	2.6%	245	243	NM	NM	0	0	153	146
Virginia	1,202	1,190	1.0%	5	7	1,176	1,164	NM	NM	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	442	436	1.4%	173	168	269	268	0	0	0	0
Alabama	91	NM	NM	0	0	91	NM	0	0	0	0
Kentucky	181	187	-3.2%	173	168	8	19	0	0	0	0
Mississippi	NM	NM	NM	0	0	NM	NM	0	0	0	0
Tennessee	153	147	4.6%	0	0	153	147	0	0	0	0
West South Central	1,208	1,188	1.7%	0	0	1,168	1,149	41	39	0	0
Arkansas	130	123	5.5%	0	0	130	123	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	1,048	1,035	1.3%	0	0	1,007	996	41	39	0	0
Mountain	521	523	-0.5%	NM	NM	470	467	32	38	0	0
Arizona	73	NM	NM	0	0	73	NM	0	0	0	0
Colorado	88	NM	NM	0	0	88	NM	0	0	0	0
Idaho	69	NM	NM	NM	NM	NM	NM	17	12	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	129	126	2.5%	0	0	129	126	0	0	0	0
New Mexico	NM	NM	NM	0	0	NM	NM	0	0	0	0
Utah	158	175	-10.0%	0	0	142	150	15	26	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	4,640	4,304	7.8%	644	579	2,816	2,583	1,180	1,142	0	0
California	3,793	3,550	6.9%	224	200	2,433	2,249	1,137	1,101	0	0
Oregon	469	411	14.0%	118	110	308	261	NM	NM	0	0
Washington	377	343	9.9%	302	270	75	NM	0	0	0	0
Pacific Noncontiguous	67	22	207.0%	0	0	0	0	67	22	0	0
Alaska	67	22	207.0%	0	0	0	0	67	22	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	21,740	21,208	2.5%	2,089	2,062	17,786	17,332	1,536	1,463	329	351

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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 2018 and February 2017 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
New England	1,757	1,790	-1.8%	0	0	1,724	1,751	33	39	0	0
Connecticut	74	NM	NM	0	0	74	NM	0	0	0	0
Maine	115	114	1.2%	0	0	115	114	0	0	0	0
Massachusetts	693	711	-2.4%	0	0	693	711	0	0	0	0
New Hampshire	166	171	-3.1%	0	0	132	132	33	39	0	0
Rhode Island	647	660	-2.0%	0	0	647	660	0	0	0	0
Vermont	NM	NM	NM	0	0	NM	NM	0	0	0	0
Middle Atlantic	8,724	9,014	-3.2%	0	0	8,319	8,596	160	143	244	275
New Jersey	1,285	1,339	-4.0%	0	0	1,230	1,286	NM	NM	0	0
New York	2,647	2,648	-0.1%	0	0	2,647	2,648	0	0	0	0
Pennsylvania	4,792	5,027	-4.7%	0	0	4,443	4,662	105	90	244	275
East North Central	10,335	10,855	-4.8%	1,241	1,333	8,991	9,414	51	61	52	48
Illinois	1,894	2,200	-14.0%	61	78	1,833	2,122	0	0	0	0
Indiana	1,376	1,399	-1.7%	1,180	1,232	187	165	0	0	NM	2
Michigan	3,403	3,525	-3.5%	0	0	3,403	3,525	0	0	0	0
Ohio	1,779	1,797	-1.0%	0	0	1,779	1,797	0	0	0	0
Wisconsin	1,883	1,933	-2.6%	0	NM	1,789	1,804	51	61	43	46
West North Central	1,975	1,703	16.0%	597	578	1,378	1,125	0	0	0	0
Iowa	435	192	127.0%	0	0	435	192	0	0	0	0
Kansas	236	233	1.0%	0	0	236	233	0	0	0	0
Minnesota	657	650	1.1%	147	144	510	505	0	0	0	0
Missouri	354	348	1.6%	157	154	197	195	0	0	0	0
Nebraska	293	280	4.8%	293	280	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	7,817	7,651	2.2%	771	800	6,455	6,231	235	222	356	399
Delaware	225	224	0.7%	0	0	202	199	0	0	NM	NM
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,165	1,200	-2.9%	249	284	916	916	0	0	0	0
Georgia	692	676	2.4%	0	0	681	610	0	0	11	66
Maryland	484	476	1.6%	0	0	328	324	155	152	0	0
North Carolina	1,788	1,727	3.5%	0	0	1,753	1,698	NM	NM	0	0
South Carolina	898	877	2.4%	509	502	NM	NM	0	0	321	308
Virginia	2,565	2,471	3.8%	12	14	2,507	2,416	NM	NM	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	910	917	-0.8%	356	355	554	562	0	0	0	0
Alabama	186	184	0.9%	0	0	186	184	0	0	0	0
Kentucky	372	385	-3.3%	356	355	16	30	0	0	0	0
Mississippi	NM	NM	NM	0	0	NM	NM	0	0	0	0
Tennessee	316	313	1.0%	0	0	316	313	0	0	0	0
West South Central	2,503	2,542	-1.5%	0	0	2,414	2,453	90	89	0	0
Arkansas	266	264	0.9%	0	0	266	264	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	2,173	2,215	-1.9%	0	0	2,084	2,126	90	89	0	0
Mountain	1,087	1,100	-1.1%	NM	NM	974	986	75	76	0	0
Arizona	151	149	1.0%	0	0	151	149	0	0	0	0
Colorado	181	180	1.0%	0	0	181	180	0	0	0	0
Idaho	143	135	6.2%	NM	NM	70	70	36	28	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	268	265	1.2%	0	0	268	265	0	0	0	0
New Mexico	NM	NM	NM	0	0	NM	NM	0	0	0	0
Utah	337	365	-7.7%	0	0	297	316	40	49	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	9,610	9,190	4.6%	1,350	1,166	5,834	5,584	2,426	2,440	0	0
California	7,850	7,585	3.5%	477	373	5,038	4,857	2,336	2,355	0	0
Oregon	974	896	8.8%	243	238	641	572	90	86	0	0
Washington	786	710	11.0%	630	555	156	155	0	0	0	0
Pacific Noncontiguous	138	79	74.0%	0	0	0	0	138	79	0	0
Alaska	138	79	74.0%	0	0	0	0	138	79	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	44,855	44,842	0.0%	4,352	4,269	36,643	36,702	3,207	3,150	653	722

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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 2018 and February 2017 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	291	265	9.8%	0	0	272	251	19	14	0	0
Connecticut	96	84	14.0%	0	0	96	84	0	0	0	0
Maine	28	24	18.0%	0	0	9	10	19	14	0	0
Massachusetts	157	147	6.9%	0	0	157	147	0	0	0	0
New Hampshire	10	10	-1.3%	0	0	10	10	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	400	392	2.1%	0	0	320	315	80	77	0	0
New Jersey	110	107	2.6%	0	0	83	80	27	27	0	0
New York	141	141	0.0%	0	0	107	108	35	33	0	0
Pennsylvania	149	143	3.9%	0	0	131	127	18	17	0	0
East North Central	18	18	-2.0%	2	3	0	0	15	15	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	2	1	20.0%	0	0	0	0	2	1	0	0
Michigan	14	14	-1.5%	0	0	0	0	14	14	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	2	3	-16.0%	2	3	0	0	0	0	0	0
West North Central	41	36	15.0%	23	16	18	20	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	41	36	15.0%	23	16	18	20	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	443	417	6.2%	0	0	411	378	33	39	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	303	319	-4.8%	0	0	303	319	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	49	49	1.5%	0	0	49	49	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	90	50	81.0%	0	0	58	11	33	39	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	1	0	--	0	0	0	0	0	0	1	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	1	0	--	0	0	0	0	0	0	1	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	56	56	-1.5%	0	0	56	56	0	0	0	0
California	35	37	-6.5%	0	0	35	37	0	0	0	0
Oregon	9	8	4.4%	0	0	9	8	0	0	0	0
Washington	12	11	11.0%	0	0	12	11	0	0	0	0
Pacific Noncontiguous	28	39	-28.0%	0	0	0	0	28	39	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	28	39	-28.0%	0	0	0	0	28	39	0	0
U.S. Total	1,278	1,223	4.4%	26	19	1,076	1,020	175	185	1	0

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Table 2.13.B. Consumption of Biogenic Municipal Solid Waste for Electricity Generation by State, by Sector, Year-to-Date through February 2018 and February 2017 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
New England	585	571	2.4%	0	0	548	541	37	30	0	0
Connecticut	191	188	1.8%	0	0	191	188	0	0	0	0
Maine	58	49	18.0%	0	0	21	19	37	30	0	0
Massachusetts	315	313	0.6%	0	0	315	313	0	0	0	0
New Hampshire	21	21	-0.9%	0	0	21	21	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	828	843	-1.8%	0	0	657	676	170	167	0	0
New Jersey	232	230	0.9%	0	0	176	174	57	57	0	0
New York	285	296	-3.6%	0	0	213	225	72	71	0	0
Pennsylvania	310	317	-2.1%	0	0	268	278	42	39	0	0
East North Central	38	38	-1.7%	5	6	0	0	33	33	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	3	3	25.0%	0	0	0	0	3	3	0	0
Michigan	29	30	-1.6%	0	0	0	0	29	30	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	5	6	-14.0%	5	6	0	0	0	0	0	0
West North Central	86	88	-2.1%	49	48	37	40	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	86	88	-2.1%	49	48	37	40	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	913	904	1.0%	0	0	850	825	63	79	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	635	659	-3.6%	0	0	635	659	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	102	100	2.0%	0	0	102	100	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	176	145	21.0%	0	0	113	66	63	79	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	1	0	--	0	0	0	0	0	0	1	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	1	0	--	0	0	0	0	0	0	1	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	115	117	-1.0%	0	0	115	117	0	0	0	0
California	71	76	-5.6%	0	0	71	76	0	0	0	0
Oregon	19	19	-0.6%	0	0	19	19	0	0	0	0
Washington	25	22	14.0%	0	0	25	22	0	0	0	0
Pacific Noncontiguous	62	75	-18.0%	0	0	0	0	62	75	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	62	75	-18.0%	0	0	0	0	62	75	0	0
U.S. Total	2,628	2,636	-0.3%	53	54	2,208	2,199	365	383	1	0

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

Table 2.14.A. Consumption of Wood / Wood Waste Biomass for Electricity Generation by State, by Sector, February 2018 and February 2017 (Billion Btus)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	4,792	5,033	-4.8%	786	775	3,569	3,823	2	7	436	428
Connecticut	340	375	-9.2%	0	0	340	375	0	0	0	0
Maine	1,951	2,026	-3.7%	0	0	1,514	1,591	1	7	436	428
Massachusetts	164	185	-12.0%	0	0	164	185	0	0	0	0
New Hampshire	1,785	1,914	-6.7%	396	417	1,389	1,497	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	551	534	3.2%	389	358	161	176	1	1	0	0
Middle Atlantic	1,047	1,094	-4.3%	0	0	513	560	0	0	534	535
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	604	653	-7.6%	0	0	513	559	0	0	91	94
Pennsylvania	443	441	0.6%	0	0	0	0	0	0	443	441
East North Central	2,098	1,999	5.0%	448	393	1,021	1,028	0	0	629	577
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	1,304	1,270	2.6%	0	0	1,009	1,017	0	0	295	254
Ohio	92	96	-3.3%	0	0	12	12	0	0	80	84
Wisconsin	702	633	11.0%	448	393	0	0	0	0	254	239
West North Central	898	880	2.0%	170	170	477	449	28	32	223	229
Iowa	0	0	-21.0%	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	870	848	2.6%	170	170	477	449	0	0	223	229
Missouri	28	32	-14.0%	0	0	0	0	28	32	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	10,276	9,850	4.3%	1,780	1,728	3,319	2,915	12	10	5,165	5,197
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	1,683	1,452	16.0%	0	0	969	730	0	0	714	723
Georgia	2,938	2,577	14.0%	0	0	952	602	0	0	1,986	1,974
Maryland	62	63	-0.6%	0	0	0	0	12	10	50	53
North Carolina	1,201	1,311	-8.4%	0	0	646	797	0	0	555	514
South Carolina	1,460	1,532	-4.7%	138	146	497	536	0	0	825	850
Virginia	2,932	2,914	0.6%	1,642	1,582	256	250	0	0	1,034	1,083
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	2,918	2,944	-0.9%	0	0	194	198	0	0	2,724	2,746
Alabama	1,968	1,927	2.1%	0	0	194	198	0	0	1,774	1,729
Kentucky	133	131	1.7%	0	0	0	0	0	0	133	131
Mississippi	470	535	-12.0%	0	0	0	0	0	0	470	535
Tennessee	347	350	-0.9%	0	0	0	0	0	0	347	350
West South Central	2,336	2,342	-0.2%	0	0	111	0	0	0	2,226	2,342
Arkansas	577	571	1.1%	0	0	0	0	0	0	577	571
Louisiana	1,155	1,271	-9.2%	0	0	0	0	0	0	1,155	1,271
Oklahoma	141	139	0.8%	0	0	0	0	0	0	141	139
Texas	464	361	29.0%	0	0	111	0	0	0	354	361
Mountain	505	546	-7.5%	0	0	353	401	0	0	152	146
Arizona	250	282	-12.0%	0	0	250	282	0	0	0	0
Colorado	79	102	-22.0%	0	0	79	102	0	0	0	0
Idaho	158	143	11.0%	0	0	24	16	0	0	134	126
Montana	18	19	-4.1%	0	0	0	0	0	0	18	19
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	5,037	5,110	-1.4%	379	412	3,187	3,279	0	0	1,471	1,419
California	3,316	3,405	-2.6%	0	0	2,937	3,019	0	0	379	386
Oregon	592	567	4.6%	0	0	250	260	0	0	343	307
Washington	1,128	1,138	-0.9%	379	412	0	0	0	0	749	726
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	29,907	29,797	0.4%	3,562	3,477	12,743	12,653	42	50	13,560	13,617

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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 2.14.B. Consumption of Wood / Wood Waste Biomass for Electricity Generation by State, by Sector, Year-to-Date through February 2018 and February 2017 (Billion Btus)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
New England	10,313	10,342	-0.3%	1,752	1,565	7,623	7,841	10	15	928	921
Connecticut	717	759	-5.4%	0	0	717	759	0	0	0	0
Maine	4,205	4,230	-0.6%	0	0	3,269	3,297	8	13	928	921
Massachusetts	342	375	-8.7%	0	0	342	375	0	0	0	0
New Hampshire	3,793	3,909	-3.0%	840	855	2,953	3,054	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	1,255	1,069	17.0%	912	710	342	357	2	2	0	0
Middle Atlantic	2,295	2,214	3.7%	0	0	1,167	1,099	0	0	1,128	1,115
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	1,360	1,291	5.3%	0	0	1,166	1,099	0	0	194	193
Pennsylvania	935	922	1.4%	0	0	1	0	0	0	934	922
East North Central	4,556	4,263	6.9%	1,021	861	2,216	2,151	0	0	1,319	1,251
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	2,811	2,680	4.9%	0	0	2,191	2,126	0	0	620	554
Ohio	196	210	-6.7%	0	0	25	26	0	0	172	184
Wisconsin	1,548	1,373	13.0%	1,021	861	0	0	0	0	527	512
West North Central	1,666	1,764	-5.6%	363	356	781	886	71	68	451	454
Iowa	1	1	-6.0%	0	0	0	0	1	1	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	1,609	1,699	-5.3%	363	356	781	886	14	3	451	454
Missouri	56	64	-13.0%	0	0	0	0	56	64	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	21,708	20,269	7.1%	3,887	3,767	7,007	5,963	24	23	10,790	10,516
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	3,646	3,172	15.0%	0	0	2,149	1,667	0	0	1,497	1,505
Georgia	5,980	5,147	16.0%	0	0	1,870	1,144	0	0	4,110	4,003
Maryland	120	132	-9.5%	0	0	0	0	24	23	96	109
North Carolina	2,592	2,587	0.2%	0	0	1,411	1,545	0	0	1,181	1,043
South Carolina	3,017	3,111	-3.0%	269	295	1,015	1,080	0	0	1,733	1,736
Virginia	6,352	6,120	3.8%	3,617	3,471	561	528	0	0	2,174	2,121
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	6,027	6,085	-0.9%	0	0	405	405	0	0	5,622	5,680
Alabama	3,934	3,959	-0.6%	0	0	405	405	0	0	3,529	3,554
Kentucky	280	269	4.2%	0	0	0	0	0	0	280	269
Mississippi	1,079	1,137	-5.1%	0	0	0	0	0	0	1,079	1,137
Tennessee	735	720	2.1%	0	0	0	0	0	0	735	720
West South Central	4,998	4,935	1.3%	0	0	380	212	0	0	4,618	4,723
Arkansas	1,152	1,162	-0.9%	0	0	0	0	0	0	1,152	1,162
Louisiana	2,421	2,507	-3.4%	0	0	0	0	0	0	2,421	2,507
Oklahoma	305	315	-2.9%	0	0	0	0	0	0	305	315
Texas	1,120	951	18.0%	0	0	380	212	0	0	741	739
Mountain	1,071	1,109	-3.5%	0	0	750	809	0	0	321	300
Arizona	521	567	-8.1%	0	0	521	567	0	0	0	0
Colorado	178	201	-11.0%	0	0	178	201	0	0	0	0
Idaho	333	301	11.0%	0	0	51	42	0	0	282	260
Montana	39	40	-3.9%	0	0	0	0	0	0	39	40
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	10,757	10,523	2.2%	803	838	6,817	6,820	0	0	3,137	2,866
California	7,126	6,989	2.0%	0	0	6,280	6,283	0	0	846	706
Oregon	1,250	1,184	5.5%	0	0	537	537	0	0	713	648
Washington	2,381	2,350	1.3%	803	838	0	0	0	0	1,579	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	63,391	61,503	3.1%	7,825	7,386	27,145	26,186	105	106	28,315	27,825

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, 2008 - February 2018

	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									
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	195,548	32,884	1,340	153,226	21,443	1,163	42,322	11,441	177
2016	162,009	31,839	845	130,885	21,013	603	31,124	10,827	241
2017	137,155	28,723	1,113	114,378	19,826	700	22,777	8,897	414
Year 2016, End of Month Stocks									
January	187,203	32,307	1,320	146,300	20,894	1,089	40,903	11,412	231
February	187,064	31,644	1,323	145,895	20,651	1,064	41,168	10,994	259
March	191,553	31,569	1,240	148,648	20,642	974	42,905	10,927	266
April	193,185	31,788	1,181	150,859	20,926	901	42,327	10,863	280
May	192,417	32,139	1,071	150,639	21,202	826	41,778	10,936	246
June	182,086	31,992	905	144,309	21,133	689	37,777	10,859	216
July	168,119	31,606	858	134,344	20,906	678	33,775	10,700	180
August	158,908	31,565	780	128,256	20,846	589	30,652	10,719	191
Sept	156,567	31,637	768	127,532	20,924	566	29,035	10,713	201
October	160,932	31,831	813	131,510	21,017	606	29,422	10,813	207
November	170,277	32,503	833	138,091	21,583	606	32,185	10,921	227
December	162,009	31,839	845	130,885	21,013	603	31,124	10,827	241
Year 2017, End of Month Stocks									
January	156,175	31,468	794	125,187	20,714	542	30,988	10,754	252
February	160,448	31,094	822	128,010	20,442	551	32,438	10,652	271
March	161,690	31,622	855	128,574	21,144	566	33,116	10,478	289
April	163,723	31,325	933	130,307	21,030	630	33,416	10,295	303
May	162,309	30,880	881	129,141	20,595	570	33,168	10,286	312
June	157,719	30,549	868	126,382	20,545	542	31,337	10,004	325
July	145,376	30,469	875	117,432	20,550	552	27,945	9,920	323
August	141,720	30,072	919	114,139	20,227	576	27,581	9,845	343
Sept	139,315	29,647	988	113,121	20,053	632	26,194	9,594	357
October	141,204	29,646	1,058	114,807	20,003	690	26,397	9,643	368
November	143,210	29,671	1,089	117,650	20,092	685	25,560	9,579	405
December	137,155	28,723	1,113	114,378	19,826	700	22,777	8,897	414
Year 2018, End of Month Stocks									
January	123,499	26,377	999	103,884	18,324	587	19,614	8,052	412
February	120,866	27,112	1,001	101,757	18,782	570	19,109	8,330	431

Notes: See Glossary for definitions. Values for 2016 and prior years are final. Values for 2017 and 2018 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 2018 and 2017

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	February 2018	February 2017	Percentage Change	February 2018	February 2017	Percentage Change	February 2018	February 2017	Percentage Change
New England	736	1,417	-48.1%	3,371	4,541	-25.8%	0	0	--
Connecticut	W	W	W	1,282	1,564	-18.0%	0	0	--
Maine	0	0	--	305	518	-41.1%	0	0	--
Massachusetts	W	W	W	1,354	1,902	-28.8%	0	0	--
New Hampshire	W	W	W	249	360	-30.9%	0	0	--
Rhode Island	W	W	W	139	151	-7.7%	0	0	--
Vermont	0	0	--	43	46	-6.6%	0	0	--
Middle Atlantic	3,228	4,878	-33.8%	4,629	5,655	-18.1%	0	0	--
New Jersey	136	748	-81.8%	615	664	-7.4%	0	0	--
New York	W	W	W	3,037	3,681	-17.5%	0	0	--
Pennsylvania	W	W	W	977	1,310	-25.4%	0	0	--
East North Central	22,884	33,033	-30.7%	1,064	1,140	-6.7%	W	310	W
Illinois	5,080	7,429	-31.6%	58	81	-28.7%	0	0	--
Indiana	7,561	8,792	-14.0%	106	109	-3.2%	W	W	W
Michigan	3,679	4,556	-19.2%	325	360	-9.6%	W	W	W
Ohio	3,725	7,803	-52.3%	380	375	1.2%	W	W	W
Wisconsin	2,839	4,454	-36.3%	196	215	-8.9%	W	W	W
West North Central	25,945	30,820	-15.8%	797	1,003	-20.5%	0	0	--
Iowa	6,195	8,204	-24.5%	94	152	-38.0%	0	0	--
Kansas	3,891	4,803	-19.0%	102	123	-17.1%	0	0	--
Minnesota	2,851	3,936	-27.6%	97	134	-27.7%	0	0	--
Missouri	8,238	9,133	-9.8%	333	379	-12.2%	0	0	--
Nebraska	2,954	3,139	-5.9%	97	123	-21.1%	0	0	--
North Dakota	W	W	W	32	39	-17.0%	0	0	--
South Dakota	W	W	W	42	53	-20.7%	0	0	--
South Atlantic	21,029	28,228	-25.5%	10,955	11,847	-7.5%	W	W	W
Delaware	W	W	W	340	419	-18.8%	0	0	--
District of Columbia	0	0	--	0	0	--	0	0	--
Florida	3,974	4,630	-14.2%	5,079	4,894	3.8%	55	115	-51.7%
Georgia	4,632	5,429	-14.7%	738	811	-9.0%	0	0	--
Maryland	1,279	1,989	-35.7%	565	910	-37.9%	0	0	--
North Carolina	3,495	5,570	-37.3%	1,186	1,262	-6.1%	0	0	--
South Carolina	3,569	W	W	647	706	-8.3%	0	0	--
Virginia	831	1,227	-32.3%	2,262	2,698	-16.2%	0	0	--
West Virginia	W	4,227	W	138	147	-5.8%	W	W	W
East South Central	10,126	16,198	-37.5%	1,801	1,957	-8.0%	W	W	W
Alabama	2,511	3,389	-25.9%	313	333	-6.1%	0	0	--
Kentucky	4,626	8,249	-43.9%	254	233	9.1%	W	W	W
Mississippi	922	1,109	-16.8%	545	564	-3.4%	0	0	--
Tennessee	2,068	3,452	-40.1%	689	827	-16.6%	0	0	--
West South Central	17,560	25,034	-29.9%	1,627	1,755	-7.3%	W	W	W
Arkansas	2,880	3,308	-12.9%	162	185	-12.0%	0	0	--
Louisiana	2,253	2,710	-16.9%	369	391	-5.6%	W	W	W
Oklahoma	3,763	4,403	-14.5%	97	106	-8.1%	0	0	--
Texas	8,663	14,613	-40.7%	998	1,073	-7.0%	0	0	--
Mountain	18,269	19,647	-7.0%	387	386	0.2%	W	W	W
Arizona	2,902	3,115	-6.9%	133	135	-1.8%	0	0	--
Colorado	4,247	4,210	0.9%	134	124	7.8%	0	0	--
Idaho	0	0	--	0	0	-12.1%	0	0	--
Montana	W	W	W	19	19	0.2%	W	W	W
Nevada	W	W	W	3	15	-80.9%	0	0	--
New Mexico	W	W	W	28	36	-23.2%	0	0	--
Utah	4,443	5,284	-15.9%	33	31	6.3%	0	0	--
Wyoming	4,181	4,357	-4.0%	37	25	49.1%	0	0	--
Pacific Contiguous	W	W	W	318	341	-6.8%	0	0	--
California	0	0	--	150	166	-9.4%	0	0	--
Oregon	W	W	W	67	74	-9.8%	0	0	--
Washington	W	W	W	101	101	-0.2%	0	0	--
Pacific Noncontiguous	W	W	W	2,161	2,469	-12.5%	0	0	--
Alaska	0	W	W	72	257	-71.9%	0	0	--
Hawaii	W	W	W	2,089	2,212	-5.5%	0	0	--
U.S. Total	120,866	160,448	-24.7%	27,112	31,094	-12.8%	1,001	822	21.7%

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 2018 and 2017

	Electric Power Sector			Electric Utilities		Independent Power Producers	
Census Division	**February 2018**	**February 2017**	**Percentage Change**	**February 2018**	**February 2017**	**February 2018**	**February 2017**
Coal (Thousand Tons)							
New England	736	1,417	-48.1%	W	W	W	W
Middle Atlantic	3,228	4,878	-33.8%	W	0	W	4,878
East North Central	22,884	33,033	-30.7%	15,504	20,108	7,380	12,925
West North Central	25,945	30,820	-15.8%	25,945	30,820	0	0
South Atlantic	21,029	28,228	-25.5%	18,948	25,381	2,081	2,847
East South Central	10,126	16,198	-37.5%	10,126	16,198	0	0
West South Central	17,560	25,034	-29.9%	12,962	15,719	4,598	9,315
Mountain	18,269	19,647	-7.0%	W	W	W	W
Pacific Contiguous	W	W	W	W	W	W	W
Pacific Noncontiguous	W	W	W	0	W	W	W
U.S. Total	**120,866**	**160,448**	**-24.7%**	**101,757**	**128,010**	**19,109**	**32,438**
Petroleum Liquids (Thousand Barrels)							
New England	3,371	4,541	-25.8%	453	668	2,918	3,873
Middle Atlantic	4,629	5,655	-18.1%	1,787	2,266	2,842	3,390
East North Central	1,064	1,140	-6.7%	742	829	322	311
West North Central	797	1,003	-20.5%	787	978	10	25
South Atlantic	10,955	11,847	-7.5%	9,306	9,441	1,649	2,406
East South Central	1,801	1,957	-8.0%	1,728	1,884	74	73
West South Central	1,627	1,755	-7.3%	1,270	1,342	357	413
Mountain	387	386	0.2%	355	353	32	33
Pacific Contiguous	318	341	-6.8%	217	242	102	99
Pacific Noncontiguous	2,161	2,469	-12.5%	2,137	2,440	24	29
U.S. Total	**27,112**	**31,094**	**-12.8%**	**18,782**	**20,442**	**8,330**	**10,652**
Petroleum Coke (Thousand Tons)							
New England	0	0	--	0	0	0	0
Middle Atlantic	0	0	--	0	0	0	0
East North Central	W	310	W	W	W	W	W
West North Central	0	0	--	0	0	0	0
South Atlantic	W	W	W	55	115	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	**1,001**	**822**	**21.7%**	**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, 2008 - February 2018

	Electric Power Sector			
Period	Bituminous Coal	Subbituminous Coal	Lignite Coal	Total
End of Year Stocks				
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	82,004	108,614	4,931	195,548
2016	67,241	90,376	4,393	162,009
2017	55,941	77,542	3,672	137,155
Year 2016, End of Month Stocks				
January	76,919	105,641	4,643	187,203
February	76,373	106,153	4,537	187,064
March	79,664	107,076	4,813	191,553
April	81,390	106,720	5,075	193,185
May	82,185	105,068	5,164	192,417
June	78,216	98,822	5,048	182,086
July	71,287	92,104	4,727	168,119
August	67,462	87,040	4,406	158,908
Sept	65,962	86,411	4,194	156,567
October	67,250	89,666	4,016	160,932
November	70,537	95,428	4,313	170,277
December	67,241	90,376	4,393	162,009
Year 2017, End of Month Stocks				
January	65,806	86,034	4,335	156,175
February	67,754	88,270	4,424	160,448
March	67,740	89,299	4,651	161,690
April	68,129	90,588	5,005	163,723
May	68,251	88,854	5,204	162,309
June	66,475	86,543	4,701	157,719
July	60,498	80,598	4,281	145,376
August	59,134	77,615	4,972	141,720
Sept	58,380	76,990	3,945	139,315
October	59,036	78,648	3,519	141,204
November	59,342	79,787	4,081	143,210
December	55,941	77,542	3,672	137,155
Year 2018, End of Month Stocks				
January	48,446	72,024	3,028	123,499
February	48,199	69,758	2,909	120,866

Notes: See Glossary for definitions.
Values for 2016 and prior years are final. Values for 2017 and 2018 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), 2008 - February 2018

	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												
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	15,086,208	782,929	2.22	42.86	1.29	103.5	147,647	24,320	11.49	69.79	0.48	75.8
2016	12,516,272	650,770	2.11	40.64	1.34	93.8	101,810	16,807	9.39	56.89	0.49	68.1
2017	12,142,749	634,118	2.08	39.75	1.29	93.4	94,007	15,619	11.82	71.15	0.49	65.4
Year 2016												
January	1,035,315	54,397	2.12	40.35	1.32	85.5	9,096	1,519	7.96	47.76	0.48	56.2
February	981,062	50,919	2.11	40.62	1.40	97.9	8,023	1,323	7.00	42.51	0.47	52.0
March	896,983	45,720	2.17	42.66	1.46	110.7	6,912	1,140	6.92	41.99	0.45	68.2
April	807,001	41,015	2.16	42.44	1.45	101.8	8,592	1,414	8.37	50.85	0.42	88.7
May	871,890	44,729	2.16	42.13	1.44	96.6	9,231	1,536	9.82	59.07	0.45	82.6
June	1,022,903	53,300	2.10	40.25	1.35	82.6	7,612	1,262	10.41	62.76	0.50	67.3
July	1,155,747	60,545	2.11	40.30	1.28	80.1	9,030	1,466	11.83	72.83	0.51	59.3
August	1,254,473	65,150	2.11	40.61	1.32	86.6	9,118	1,492	9.46	57.81	0.51	62.6
Sept	1,156,705	60,441	2.12	40.58	1.30	95.0	8,154	1,342	9.40	57.14	0.51	76.1
October	1,141,983	59,814	2.07	39.59	1.28	107.2	8,387	1,390	10.01	60.48	0.54	77.1
November	1,097,110	57,377	2.08	39.83	1.29	116.3	9,715	1,599	10.09	61.31	0.50	87.0
December	1,095,100	57,362	2.08	39.64	1.32	86.4	7,939	1,323	10.78	64.72	0.48	60.9
Year 2017												
January	1,099,948	57,463	2.09	40.08	1.26	88.5	9,304	1,546	11.91	71.72	0.46	70.8
February	997,916	52,098	2.07	39.58	1.30	106.1	6,122	1,015	11.61	70.06	0.49	59.5
March	966,998	50,174	2.08	40.17	1.35	100.2	11,990	2,018	11.62	69.01	0.54	111.4
April	893,611	46,168	2.11	40.85	1.34	101.6	6,223	1,033	11.59	69.85	0.48	62.4
May	948,234	49,206	2.13	41.01	1.33	94.5	6,485	1,082	W	W	0.48	56.7
June	1,032,209	53,498	2.11	40.71	1.31	89.0	7,209	1,196	W	W	0.47	63.4
July	1,084,862	56,876	2.09	39.82	1.22	80.1	6,490	1,086	W	W	0.48	54.9
August	1,174,972	61,268	2.08	39.85	1.29	91.4	6,872	1,137	W	W	0.47	61.1
Sept	1,005,155	52,845	2.03	38.55	1.24	94.6	6,394	1,061	W	W	0.49	57.6
October	990,301	51,848	2.03	38.86	1.27	100.9	7,328	1,212	11.87	71.73	0.52	64.7
November	976,444	51,520	2.04	38.67	1.26	98.7	9,313	1,541	12.29	74.29	0.47	85.9
December	972,098	51,155	2.05	38.91	1.27	85.8	10,277	1,693	13.95	84.69	0.47	49.9
Year 2018												
January	951,773	50,275	2.07	39.17	1.24	76.2	29,698	4,948	13.68	82.50	0.48	51.4
February	850,365	44,662	2.07	39.43	1.26	95.0	10,931	1,797	12.60	76.83	0.47	117.8
Year to Date												
2016	2,016,377	105,316	2.11	40.48	1.36	91.1	17,119	2,841	7.51	45.31	0.48	54.1
2017	2,097,864	109,561	2.08	39.85	1.28	96.1	15,426	2,561	11.79	71.06	0.47	65.8
2018	1,802,138	94,937	2.07	39.29	1.25	84.0	40,629	6,745	13.38	80.92	0.48	60.5
Rolling 12 Months Ending in February												
2017	12,597,759	655,015	2.11	40.54	1.33	94.6	100,117	16,526	10.08	61.07	0.49	70.9
2018	11,847,024	619,494	2.07	39.66	1.28	91.4	119,210	19,804	W	W	0.49	63.6

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 2016 and prior years are final. Values for 2017 and 2018 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), 2008 - February 2018 (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												
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	138,668	4,897	1.84	52.11	5.25	94.4	10,173,502	9,842,581	3.23	3.34	89.9	2.65
2016	116,942	4,166	1.65	46.30	5.40	77.9	10,619,105	10,271,180	2.87	2.97	90.7	2.47
2017	92,837	3,309	W	W	5.56	77.6	8,320,427	8,050,520	3.39	3.51	76.0	W
Year 2016												
January	9,640	341	1.38	38.93	5.68	79.8	826,179	798,251	3.02	3.13	89.9	2.52
February	11,273	408	1.30	35.80	5.53	96.1	736,278	711,506	2.70	2.79	89.6	2.36
March	10,313	363	1.41	40.14	5.33	81.1	797,607	771,918	2.23	2.30	90.4	2.21
April	10,308	369	1.35	37.75	5.56	81.0	773,337	748,523	2.42	2.50	90.9	2.31
May	8,554	307	1.32	36.76	5.35	65.8	857,644	830,896	2.39	2.47	91.1	2.31
June	6,895	240	1.41	40.48	4.67	50.1	1,020,410	988,673	2.67	2.75	91.4	2.39
July	10,032	355	1.47	41.45	5.14	70.8	1,189,145	1,151,122	2.97	3.07	91.3	2.55
August	11,033	398	1.75	48.48	5.42	76.5	1,205,876	1,163,920	2.95	3.06	91.4	2.52
Sept	10,741	381	2.07	58.30	5.17	84.6	968,648	935,630	3.07	3.18	91.1	2.55
October	8,844	317	1.98	55.43	5.69	92.5	795,915	770,111	3.13	3.23	90.3	2.51
November	9,365	333	2.26	63.59	5.69	82.0	718,522	695,273	3.02	3.12	90.4	2.47
December	9,945	355	2.07	57.94	5.43	82.3	729,545	705,358	3.96	4.10	89.9	2.82
Year 2017												
January	7,058	251	2.14	60.16	5.67	58.6	605,951	585,551	4.13	4.28	76.5	2.82
February	7,593	271	2.00	56.03	5.85	83.2	532,100	514,989	3.58	3.70	77.4	2.60
March	8,628	309	2.06	57.51	5.29	86.5	616,876	597,207	3.36	3.47	75.4	2.62
April	5,835	208	2.00	55.96	5.34	93.7	576,199	557,617	3.38	3.49	76.3	2.62
May	6,776	242	2.05	57.46	5.57	61.1	646,012	625,854	3.49	3.60	76.9	W
June	8,657	308	W	W	5.55	71.2	762,486	737,993	3.30	3.41	76.5	W
July	8,498	302	W	W	5.50	73.3	928,993	898,085	3.22	3.33	75.4	W
August	7,972	284	W	W	5.47	77.5	900,262	870,598	3.16	3.27	75.9	W
Sept	7,915	284	W	W	5.43	84.2	759,416	733,714	3.20	3.31	75.6	W
October	8,347	297	W	W	5.61	98.3	692,139	670,324	3.16	3.27	75.4	W
November	7,469	266	W	W	5.67	78.7	600,304	581,428	3.36	3.47	75.1	W
December	8,088	287	2.17	60.99	5.74	82.6	699,688	677,158	3.63	3.75	75.9	2.75
Year 2018												
January	7,009	248	2.38	67.41	5.31	60.1	778,041	753,163	5.03	5.19	82.0	3.50
February	7,769	277	2.43	68.09	5.49	83.0	688,537	667,090	3.61	3.72	85.6	2.79
Year to Date												
2016	20,913	749	1.33	37.23	5.60	87.9	1,562,457	1,509,757	2.87	2.97	89.7	2.44
2017	14,652	522	2.07	58.01	5.77	69.2	1,138,052	1,100,540	3.87	4.00	76.9	2.71
2018	14,778	525	2.41	67.77	5.41	70.4	1,466,577	1,420,252	4.37	4.51	83.6	3.17
Rolling 12 Months Ending in February												
2017	110,681	3,939	1.76	49.57	5.42	75.0	10,194,700	9,861,962	2.99	3.09	89.1	2.51
2018	92,963	3,312	W	W	5.50	77.8	8,648,953	8,370,232	3.49	3.61	77.0	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, 2008 - February 2018

	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												
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	11,088,631	571,707	2.25	43.71	1.17	105.8	90,041	14,747	11.32	69.13	0.46	79.2
2016	9,256,878	476,207	2.16	42.01	1.21	95.4	73,294	11,985	9.16	56.02	0.45	74.0
2017	8,952,220	464,163	2.12	40.91	1.17	95.1	68,548	11,319	11.56	70.00	0.47	71.7
Year 2016												
January	750,914	39,064	2.17	41.71	1.18	85.5	6,190	1,022	7.88	47.74	0.44	58.8
February	722,024	37,129	2.16	41.95	1.23	98.2	5,814	955	6.92	42.16	0.41	64.1
March	685,422	34,609	2.19	43.49	1.34	110.9	5,223	851	6.69	41.07	0.40	77.5
April	612,742	30,953	2.19	43.39	1.31	107.4	6,897	1,126	8.35	51.19	0.37	106.4
May	655,166	33,408	2.17	42.60	1.25	98.5	6,742	1,114	9.12	55.16	0.40	91.7
June	775,536	39,900	2.15	41.79	1.24	85.9	5,511	908	10.51	63.80	0.44	70.9
July	849,005	43,981	2.17	41.99	1.15	81.1	7,117	1,142	11.54	71.91	0.52	66.7
August	925,332	47,610	2.17	42.19	1.19	88.3	6,737	1,090	9.15	56.57	0.51	66.2
Sept	851,137	43,822	2.18	42.34	1.18	97.6	5,514	896	9.00	55.39	0.49	79.2
October	842,651	43,693	2.12	40.99	1.16	110.5	5,205	851	9.80	59.94	0.52	73.4
November	805,502	41,615	2.13	41.25	1.20	117.8	6,780	1,106	9.80	60.07	0.48	88.2
December	781,447	40,423	2.13	41.17	1.21	85.4	5,565	925	10.71	64.43	0.44	65.2
Year 2017												
January	791,895	41,154	2.14	41.26	1.14	87.5	6,498	1,069	11.09	67.38	0.44	72.7
February	732,712	38,088	2.11	40.63	1.20	106.6	4,563	754	11.53	69.80	0.46	64.8
March	702,185	36,293	2.13	41.15	1.21	101.0	10,468	1,759	11.58	68.94	0.53	130.7
April	646,292	33,094	2.15	41.91	1.22	104.4	4,679	774	11.38	68.84	0.46	65.0
May	698,108	35,802	2.16	42.16	1.22	95.2	4,612	764	11.38	68.72	0.45	58.3
June	781,557	40,089	2.13	41.60	1.20	91.1	5,560	915	10.86	66.00	0.47	70.7
July	816,276	42,290	2.12	40.87	1.11	80.9	4,656	774	10.91	65.61	0.45	59.6
August	884,867	45,745	2.11	40.89	1.19	92.8	5,112	839	11.08	67.54	0.46	65.6
Sept	736,582	38,557	2.08	39.78	1.10	97.2	4,752	779	11.75	71.65	0.48	62.0
October	728,591	37,915	2.09	40.19	1.16	103.9	4,858	796	11.98	73.15	0.49	59.6
November	721,520	37,867	2.12	40.30	1.13	104.9	6,681	1,094	12.02	73.45	0.41	92.0
December	711,634	37,270	2.11	40.29	1.11	88.8	6,108	1,002	12.84	78.22	0.42	60.4
Year 2018												
January	690,227	36,292	2.08	39.65	1.11	75.6	12,569	2,096	13.91	83.48	0.43	48.0
February	638,278	33,348	2.10	40.24	1.16	97.5	8,008	1,303	12.43	76.46	0.46	118.0
Year to Date												
2016	1,472,938	76,193	2.16	41.83	1.20	91.3	12,004	1,977	7.42	45.04	0.43	61.2
2017	1,524,607	79,242	2.13	40.96	1.17	95.7	11,061	1,823	11.27	68.38	0.45	69.2
2018	1,328,505	69,640	2.09	39.93	1.14	84.7	20,578	3,399	13.33	80.76	0.44	62.1
Rolling 12 Months Ending in February												
2017	9,308,547	479,255	2.15	41.87	1.21	96.1	72,351	11,831	9.77	59.76	0.46	75.8
2018	8,756,118	454,562	2.11	40.75	1.16	93.3	78,066	12,894	12.07	73.07	0.46	69.2

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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, 2008 - February 2018 (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												
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	115,929	4,069	1.77	50.44	5.23	130.1	4,717,748	4,565,040	3.52	3.64	96.0	2.67
2016	99,706	3,538	1.52	42.85	5.38	103.1	5,075,337	4,907,538	3.15	3.26	97.0	2.54
2017	90,481	3,224	2.15	60.31	5.55	117.6	3,990,184	3,861,856	3.65	3.77	80.5	2.63
Year 2016												
January	7,935	278	1.15	32.96	5.67	91.8	394,925	382,074	3.27	3.38	97.1	2.57
February	9,837	356	1.13	31.18	5.53	131.0	356,803	344,669	2.96	3.06	96.8	2.43
March	8,402	294	1.21	34.47	5.28	103.8	383,424	371,055	2.53	2.61	97.4	2.33
April	8,436	300	1.14	31.95	5.58	92.1	367,155	355,539	2.72	2.80	97.6	2.42
May	7,842	281	1.22	34.16	5.35	94.9	412,465	399,342	2.68	2.77	97.4	2.40
June	6,325	220	1.33	38.34	4.59	71.4	501,782	485,899	2.88	2.97	96.9	2.46
July	9,587	340	1.43	40.50	5.10	104.6	571,042	552,828	3.20	3.31	96.5	2.62
August	9,306	335	1.62	45.01	5.45	99.4	571,170	551,024	3.23	3.34	96.9	2.59
Sept	9,059	320	2.00	56.51	5.12	102.8	457,872	442,147	3.43	3.55	97.3	2.64
October	7,088	253	1.87	52.47	5.71	146.9	370,666	358,541	3.53	3.65	96.7	2.58
November	7,871	279	2.22	62.85	5.74	116.3	339,777	328,019	3.36	3.48	97.4	2.54
December	8,017	284	1.99	56.17	5.39	108.8	348,255	336,401	4.15	4.30	97.0	2.78
Year 2017												
January	7,058	251	2.14	60.16	5.67	83.3	288,262	278,519	4.35	4.50	83.5	2.77
February	7,593	271	2.00	56.03	5.85	124.3	250,635	242,633	3.83	3.96	84.6	2.58
March	8,628	309	2.06	57.51	5.29	143.9	297,754	288,236	3.56	3.67	81.6	2.64
April	5,835	208	2.00	55.96	5.34	188.7	281,420	272,348	3.52	3.63	82.6	2.60
May	6,776	242	2.05	57.46	5.57	91.5	323,906	314,002	3.71	3.82	83.1	2.68
June	8,386	298	2.14	60.07	5.55	105.5	368,349	356,694	3.57	3.69	80.8	2.63
July	8,245	292	2.11	59.61	5.49	107.5	446,546	431,672	3.48	3.60	77.3	2.62
August	7,676	273	2.11	59.17	5.45	119.8	432,247	418,089	3.46	3.57	78.2	2.58
Sept	7,658	274	2.12	59.07	5.42	130.2	362,507	350,492	3.58	3.70	78.8	2.61
October	7,454	265	2.37	66.84	5.58	154.2	329,450	319,249	3.59	3.70	79.5	2.60
November	7,084	252	2.52	70.93	5.66	107.1	283,335	274,515	3.66	3.78	80.6	2.61
December	8,088	287	2.17	60.99	5.74	123.5	325,771	315,406	3.77	3.90	80.3	2.69
Year 2018												
January	7,009	248	2.38	67.41	5.31	83.4	383,110	370,950	5.14	5.31	87.4	3.29
February	7,769	277	2.43	68.09	5.49	117.9	322,741	312,845	3.84	3.96	90.9	2.76
Year to Date												
2016	17,773	634	1.14	31.96	5.59	110.4	751,729	726,744	3.12	3.23	96.9	2.50
2017	14,652	522	2.07	58.01	5.77	100.5	538,897	521,153	4.11	4.25	84.0	2.68
2018	14,778	525	2.41	67.77	5.41	98.6	705,851	683,795	4.55	4.69	89.0	3.04
Rolling 12 Months Ending in February												
2017	96,585	3,426	1.67	47.18	5.40	101.4	4,862,505	4,701,947	3.26	3.37	95.4	2.56
2018	90,607	3,227	2.20	61.90	5.49	117.1	4,157,138	4,024,498	3.75	3.87	81.4	2.69

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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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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, 2008 - February 2018

	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												
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	3,731,508	198,982	2.10	39.39	1.66	100.5	55,248	9,189	11.69	70.36	0.46	86.5
2016	3,047,358	164,648	1.93	35.69	1.73	91.8	25,975	4,410	9.93	58.56	0.48	75.1
2017	3,006,924	161,228	1.91	35.67	1.64	91.2	23,608	4,003	12.64	74.53	0.46	69.1
Year 2016												
January	264,906	14,431	1.94	35.56	1.72	87.7	2,670	459	7.86	45.79	0.42	64.8
February	241,497	12,970	1.92	35.76	1.91	101.0	1,867	313	6.94	41.57	0.47	42.4
March	192,217	10,216	2.04	38.36	1.89	117.0	1,484	256	W	W	0.47	66.8
April	178,203	9,323	1.99	38.00	1.97	90.2	1,473	252	W	W	0.50	74.9
May	200,347	10,560	2.08	39.52	2.05	94.7	2,331	396	11.84	69.75	0.48	98.3
June	228,760	12,535	1.87	34.19	1.72	74.5	1,842	312	10.09	59.54	0.47	82.9
July	288,156	15,689	1.89	34.68	1.67	78.4	1,828	310	12.96	76.40	0.45	58.9
August	309,421	16,607	1.89	35.21	1.71	83.3	2,262	383	10.26	60.58	0.48	69.4
Sept	289,363	15,859	1.91	34.96	1.65	90.6	2,478	420	10.16	59.98	0.49	92.3
October	280,681	15,236	1.88	34.66	1.62	101.0	2,885	492	10.39	61.12	0.49	111.5
November	276,435	15,051	1.91	35.16	1.53	117.1	2,652	446	10.79	64.16	0.47	115.5
December	297,372	16,171	1.91	35.08	1.60	91.6	2,202	370	W	W	0.50	65.7
Year 2017												
January	293,070	15,606	1.93	36.35	1.59	94.6	2,679	456	13.98	82.08	0.47	92.8
February	250,099	13,304	1.90	35.74	1.60	108.7	1,438	241	W	W	0.50	63.4
March	247,658	13,058	1.93	36.69	1.75	101.4	1,344	231	12.02	69.90	0.44	80.3
April	231,929	12,350	1.97	37.09	1.66	97.9	1,383	233	W	W	0.44	78.7
May	234,471	12,642	1.99	36.90	1.67	95.0	1,718	293	W	W	0.45	71.9
June	235,473	12,689	2.00	37.14	1.68	85.0	1,507	258	W	W	0.42	62.6
July	253,594	13,865	1.97	36.04	1.55	78.8	1,739	297	W	W	0.48	57.2
August	274,367	14,784	1.94	35.96	1.64	88.9	1,649	280	W	W	0.43	69.4
Sept	254,384	13,609	1.84	34.37	1.64	90.0	1,491	258	W	W	0.42	59.9
October	246,724	13,227	1.83	34.24	1.61	96.5	2,321	393	11.66	68.89	0.50	108.0
November	240,378	12,958	1.79	33.17	1.64	87.0	2,432	415	13.07	76.69	0.56	103.6
December	244,777	13,136	1.84	34.33	1.69	80.0	3,906	648	15.88	95.71	0.43	46.4
Year 2018												
January	246,173	13,243	2.00	37.17	1.62	79.5	16,721	2,787	13.51	81.73	0.48	59.9
February	198,229	10,651	1.94	36.09	1.58	91.7	2,735	465	13.30	78.46	0.44	202.7
Year to Date												
2016	506,403	27,401	1.93	35.65	1.81	93.5	4,537	772	7.48	44.07	0.44	53.4
2017	543,169	28,911	1.92	36.07	1.59	100.6	4,117	698	13.23	78.09	0.48	80.0
2018	444,402	23,894	1.97	36.69	1.60	84.5	19,456	3,251	13.48	81.25	0.47	66.6
Rolling 12 Months Ending in February												
2017	3,084,125	166,158	1.93	35.77	1.69	92.9	25,555	4,335	W	W	0.48	81.9
2018	2,908,157	156,211	1.92	35.75	1.64	88.6	38,948	6,557	W	W	0.47	66.9

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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, 2008 - February 2018 (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												
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	67.3	4,683,291	4,530,195	2.94	3.04	93.2	W
2016	13,573	492	2.50	68.88	5.44	69.9	4,791,729	4,634,518	2.54	2.63	94.0	W
2017	0	0	--	--	--	0.0	3,663,287	3,542,886	3.07	3.18	79.5	2.52
Year 2016												
January	1,305	49	W	W	5.70	182.6	366,954	353,940	2.80	2.91	93.1	W
February	1,314	47	W	W	5.44	97.1	322,866	312,018	2.43	2.52	93.5	W
March	1,337	48	W	W	5.37	65.3	353,542	341,974	1.89	1.95	94.0	W
April	1,203	44	W	W	5.30	88.5	345,599	334,192	2.07	2.14	94.3	W
May	506	18	W	W	5.28	30.6	384,972	373,040	2.04	2.11	94.6	W
June	348	12	W	W	5.32	20.5	457,044	442,942	2.41	2.49	94.4	W
July	223	8	W	W	5.67	12.1	552,956	535,139	2.66	2.75	94.4	W
August	1,510	55	W	W	5.24	77.3	569,120	549,584	2.62	2.71	94.3	W
Sept	1,483	53	W	W	5.43	90.7	448,820	433,556	2.61	2.70	94.1	W
October	1,549	56	W	W	5.59	78.5	362,466	350,675	2.60	2.69	94.0	W
November	1,294	47	W	W	5.43	83.4	313,867	304,227	2.59	2.67	93.5	W
December	1,501	55	W	W	5.50	84.2	313,521	303,233	3.83	3.95	93.6	W
Year 2017												
January	0	0	--	--	--	0.0	259,636	250,896	3.97	4.11	79.9	2.84
February	0	0	--	--	--	0.0	227,496	220,081	3.33	3.44	80.9	W
March	0	0	--	--	--	0.0	263,669	255,227	3.21	3.31	78.3	2.55
April	0	0	--	--	--	0.0	241,451	233,602	3.19	3.30	79.4	W
May	0	0	--	--	--	0.0	269,235	260,637	3.19	3.29	79.4	W
June	0	0	--	--	--	0.0	339,166	328,064	2.92	3.02	79.5	W
July	0	0	--	--	--	0.0	423,924	409,779	2.86	2.96	79.4	W
August	0	0	--	--	--	0.0	412,138	398,444	2.76	2.85	79.9	W
Sept	0	0	--	--	--	0.0	342,641	330,729	2.68	2.78	79.2	W
October	0	0	--	--	--	0.0	310,113	300,091	2.60	2.69	79.3	2.26
November	0	0	--	--	--	0.0	261,523	253,222	3.02	3.12	78.6	2.41
December	0	0	--	--	--	0.0	312,295	302,115	3.57	3.69	80.5	2.82
Year 2018												
January	0	0	--	--	--	0.0	325,769	315,170	5.25	5.42	85.1	3.96
February	0	0	--	--	--	0.0	305,540	295,788	3.34	3.45	90.7	2.77
Year to Date												
2016	2,619	96	2.50	67.85	5.57	127.4	689,820	665,958	2.63	2.72	93.3	W
2017	0	0	--	--	--	0.0	487,132	470,976	3.67	3.79	80.4	2.70
2018	0	0	--	--	--	0.0	631,309	610,958	4.34	4.48	87.7	3.41
Rolling 12 Months Ending in February												
2017	10,954	396	W	W	5.41	54.9	4,589,041	4,439,537	2.65	2.74	92.5	W
2018	0	0	--	--	--	0.0	3,807,463	3,682,867	3.20	3.31	80.7	W

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

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Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 2008 - February 2018

	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												
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	13.6	0	0	--	--	--	0.0
2016	1,288	57	W	W	3.03	8.3	0	0	--	--	--	0.0
2017	548	24	W	W	2.99	4.0	0	0	--	--	--	0.0
Year 2016												
January	139	6	W	W	2.87	8.1	0	0	--	--	--	0.0
February	124	5	W	W	2.84	7.2	0	0	--	--	--	0.0
March	163	7	W	W	3.03	9.7	0	0	--	--	--	0.0
April	9	0	W	W	2.98	0.9	0	0	--	--	--	0.0
May	0	0	--	--	--	0.0	0	0	--	--	--	0.0
June	0	0	--	--	--	0.0	0	0	--	--	--	0.0
July	0	0	--	--	--	0.0	0	0	--	--	--	0.0
August	92	4	W	W	3.09	8.2	0	0	--	--	--	0.0
Sept	153	7	W	W	3.14	13.5	0	0	--	--	--	0.0
October	159	7	W	W	3.15	14.1	0	0	--	--	--	0.0
November	237	10	W	W	3.04	17.6	0	0	--	--	--	0.0
December	214	9	W	W	3.05	12.5	0	0	--	--	--	0.0
Year 2017												
January	111	5	W	W	2.99	7.4	0	0	--	--	--	0.0
February	91	4	W	W	2.95	7.4	0	0	--	--	--	0.0
March	104	5	W	W	3.02	7.8	0	0	--	--	--	0.0
April	1	0	W	W	2.96	0.1	0	0	--	--	--	0.0
May	11	0	W	W	3.23	1.2	0	0	--	--	--	0.0
June	17	1	W	W	3.02	1.6	0	0	--	--	--	0.0
July	0	0	--	--	--	0.0	0	0	--	--	--	0.0
August	4	0	W	W	2.77	0.3	0	0	--	--	--	0.0
Sept	72	3	W	W	2.96	6.7	0	0	--	--	--	0.0
October	35	2	W	W	2.96	3.5	0	0	--	--	--	0.0
November	13	1	W	W	3.04	1.2	0	0	--	--	--	0.0
December	89	4	W	W	3.01	6.4	0	0	--	--	--	0.0
Year 2018												
January	95	4	W	W	3.11	6.0	0	0	--	--	--	0.0
February	31	1	W	W	3.19	2.6	0	0	--	--	--	0.0
Year to Date												
2016	262	12	W	W	2.86	7.7	0	0	--	--	--	0.0
2017	202	9	W	W	2.97	7.4	0	0	--	--	--	0.0
2018	125	6	W	W	3.13	4.5	0	0	--	--	--	0.0
Rolling 12 Months Ending in February												
2017	1,228	54	W	W	3.06	8.3	0	0	--	--	--	0.0
2018	471	21	W	W	3.04	3.4	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, 2008 - February 2018 (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												
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	5.5	W
2016	0	0	--	--	--	0.0	8,005	7,766	W	W	6.1	W
2017	0	0	--	--	--	0.0	7,841	7,593	W	W	6.3	W
Year 2016												
January	0	0	--	--	--	0.0	1,241	1,203	W	W	11.3	W
February	0	0	--	--	--	0.0	488	477	W	W	4.9	W
March	0	0	--	--	--	0.0	620	610	W	W	6.2	W
April	0	0	--	--	--	0.0	578	567	W	W	6.1	W
May	0	0	--	--	--	0.0	599	587	W	W	6.1	W
June	0	0	--	--	--	0.0	599	585	W	W	5.3	W
July	0	0	--	--	--	0.0	691	667	W	W	5.0	W
August	0	0	--	--	--	0.0	802	765	W	W	5.6	W
Sept	0	0	--	--	--	0.0	610	591	W	W	5.3	W
October	0	0	--	--	--	0.0	598	575	W	W	5.9	W
November	0	0	--	--	--	0.0	613	589	W	W	6.8	W
December	0	0	--	--	--	0.0	568	549	W	W	5.3	W
Year 2017												
January	0	0	--	--	--	0.0	662	639	W	W	5.6	W
February	0	0	--	--	--	0.0	646	624	W	W	6.3	W
March	0	0	--	--	--	0.0	680	662	W	W	6.4	W
April	0	0	--	--	--	0.0	502	490	W	W	5.7	W
May	0	0	--	--	--	0.0	497	483	W	W	5.4	W
June	0	0	--	--	--	0.0	615	595	W	W	6.0	W
July	0	0	--	--	--	0.0	636	613	W	W	5.7	W
August	0	0	--	--	--	0.0	809	778	W	W	7.4	W
Sept	0	0	--	--	--	0.0	707	685	W	W	6.9	W
October	0	0	--	--	--	0.0	605	588	W	W	6.0	W
November	0	0	--	--	--	0.0	749	725	W	W	7.5	W
December	0	0	--	--	--	0.0	734	711	W	W	6.6	W
Year 2018												
January	0	0	--	--	--	0.0	844	818	W	W	7.2	W
February	0	0	--	--	--	0.0	709	688	W	W	6.7	W
Year to Date												
2016	0	0	--	--	--	0.0	1,729	1,680	W	W	8.3	W
2017	0	0	--	--	--	0.0	1,308	1,263	W	W	5.9	W
2018	0	0	--	--	--	0.0	1,553	1,506	W	W	7.0	W
Rolling 12 Months Ending in February												
2017	0	0	--	--	--	0.0	7,584	7,348	W	W	5.7	W
2018	0	0	--	--	--	0.0	8,086	7,836	W	W	6.5	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 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, 2008 - February 2018

	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												
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	263,630	12,132	W	W	1.35	71.4	2,359	385	13.45	82.47	1.42	16.9
2016	210,749	9,859	W	W	1.30	67.0	2,541	412	10.51	64.79	1.27	18.3
2017	183,058	8,703	W	W	1.29	64.8	1,850	297	11.18	69.57	1.42	16.2
Year 2016												
January	19,357	897	W	W	1.36	64.2	237	38	11.34	71.47	1.49	18.7
February	17,418	814	W	W	1.42	63.5	342	55	8.70	53.76	1.16	19.8
March	19,181	888	W	W	1.29	69.7	205	33	W	W	1.18	18.5
April	16,048	739	W	W	1.43	68.7	222	36	W	W	1.36	20.8
May	16,376	761	2.67	57.42	1.39	64.6	158	26	11.79	72.81	1.49	11.7
June	18,607	865	2.66	57.25	1.25	69.6	259	42	10.38	64.15	1.45	21.3
July	18,586	875	2.64	56.18	1.23	66.2	85	14	11.10	68.65	1.14	7.1
August	19,629	929	W	W	1.16	71.9	119	19	11.84	73.14	1.11	12.4
Sept	16,052	753	W	W	1.20	65.1	162	27	11.67	71.25	1.12	16.5
October	18,491	879	W	W	1.25	78.1	297	48	10.34	63.78	1.20	25.7
November	14,936	701	W	W	1.27	64.1	283	47	10.57	63.80	1.30	30.7
December	16,067	759	W	W	1.33	59.3	172	28	W	W	1.12	18.0
Year 2017												
January	14,872	698	W	W	1.31	54.1	128	21	11.64	72.27	1.06	12.7
February	15,014	702	W	W	1.10	64.5	121	19	W	W	1.36	16.3
March	17,051	819	W	W	1.28	69.8	178	29	10.66	66.36	1.22	21.7
April	15,389	724	W	W	1.17	67.9	160	26	W	W	1.27	17.8
May	15,645	762	W	W	1.10	69.4	155	25	W	W	1.21	16.0
June	15,163	720	W	W	1.32	65.8	142	23	W	W	1.11	15.0
July	14,992	721	2.47	51.34	1.23	68.8	95	15	W	W	1.30	12.2
August	15,734	738	W	W	1.30	69.3	110	18	W	W	1.55	12.6
Sept	14,117	677	W	W	1.10	65.7	151	24	W	W	1.51	19.3
October	14,951	704	W	W	1.30	61.3	149	24	11.43	71.09	1.58	16.4
November	14,533	694	W	W	1.38	60.8	199	32	11.67	72.03	1.71	19.3
December	15,598	744	W	W	1.87	63.1	263	42	11.14	69.14	1.79	16.1
Year 2018												
January	15,278	735	W	W	1.12	57.9	408	65	12.64	79.32	1.32	16.1
February	13,828	662	W	W	1.26	58.5	187	30	11.38	71.32	1.20	20.2
Year to Date												
2016	36,774	1,711	W	W	1.39	63.9	578	93	9.78	60.92	1.29	19.3
2017	29,886	1,400	W	W	1.20	58.9	249	40	11.60	72.26	1.22	14.2
2018	29,106	1,397	W	W	1.19	58.2	595	95	12.25	76.80	1.28	17.2
Rolling 12 Months Ending in February												
2017	203,860	9,548	W	W	1.27	66.2	2,211	359	W	W	1.26	17.5
2018	182,278	8,700	W	W	1.29	64.7	2,196	352	W	W	1.41	16.8

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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 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, 2008 - February 2018 (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												
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	8,189	304	W	W	5.50	24.1	765,964	740,975	W	W	60.6	W
2016	3,664	135	W	W	5.84	11.2	744,034	721,358	W	W	59.6	W
2017	2,356	85	W	W	5.84	8.7	659,116	638,186	W	W	52.1	W
Year 2016												
January	400	15	W	W	5.94	15.3	63,059	61,034	W	W	59.0	W
February	122	4	W	W	6.10	4.3	56,120	54,342	W	W	57.2	W
March	574	21	W	W	5.88	23.8	60,020	58,279	W	W	58.9	W
April	669	25	W	W	5.81	31.0	60,005	58,224	W	W	61.3	W
May	206	8	W	W	5.64	7.0	59,608	57,927	W	W	59.3	W
June	222	8	W	W	5.94	7.0	60,985	59,247	W	W	58.7	W
July	222	8	W	W	5.94	7.0	64,456	62,488	W	W	58.3	W
August	217	8	W	W	5.81	7.2	64,784	62,548	W	W	57.7	W
Sept	200	8	W	W	5.64	9.6	61,346	59,335	W	W	58.7	W
October	207	8	W	W	5.66	7.9	62,185	60,320	W	W	60.7	W
November	200	8	W	W	5.47	7.0	64,265	62,438	W	W	63.4	W
December	427	16	W	W	5.99	15.4	67,201	65,176	W	W	62.7	W
Year 2017												
January	0	0	--	--	--	0.0	57,392	55,497	W	W	52.1	W
February	0	0	--	--	--	0.0	53,322	51,652	W	W	53.4	W
March	0	0	--	--	--	0.0	54,774	53,082	W	W	51.6	W
April	0	0	--	--	--	0.0	52,826	51,178	W	W	52.2	W
May	0	0	--	--	--	0.0	52,374	50,733	W	W	51.3	W
June	271	9	W	W	5.75	9.5	54,356	52,640	W	W	52.5	W
July	253	9	W	W	5.85	10.1	57,887	56,022	W	W	52.4	W
August	296	11	W	W	5.85	12.0	55,068	53,287	W	W	51.8	W
Sept	257	9	W	W	5.85	11.9	53,561	51,809	W	W	52.7	W
October	893	32	W	W	5.85	38.1	51,971	50,395	W	W	50.5	W
November	386	14	W	W	5.85	17.6	54,697	52,966	W	W	52.0	W
December	0	0	--	--	--	0.0	60,888	58,925	W	W	52.1	W
Year 2018												
January	0	0	--	--	--	0.0	68,317	66,225	W	W	58.9	W
February	0	0	--	--	--	0.0	59,546	57,769	W	W	58.2	W
Year to Date												
2016	522	19	W	W	5.98	9.6	119,179	115,376	W	W	58.1	W
2017	0	0	--	--	--	0.0	110,714	107,149	W	W	52.7	W
2018	0	0	--	--	--	0.0	127,864	123,994	W	W	58.6	W
Rolling 12 Months Ending in February												
2017	3,142	116	W	W	5.81	10.2	735,569	713,131	W	W	58.7	W
2018	2,356	85	W	W	5.84	8.8	676,266	655,031	W	W	53.1	W

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Table 4.6.A. Receipts of Coal Delivered for Electricity Generation by State, February 2018 and 2017
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	8	54	-85.0%	0	0	8	54	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	8	9	-13.0%	0	0	8	9	0	0	0	0
Massachusetts	0	45	-100.0%	0	0	0	45	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	1,604	1,758	-8.8%	0	0	1,593	1,723	0	0	11	36
New Jersey	56	58	-2.5%	0	0	56	58	0	0	0	0
New York	54	55	-1.1%	0	0	54	30	0	0	0	25
Pennsylvania	1,493	1,646	-9.3%	0	0	1,482	1,635	0	0	11	11
East North Central	9,753	10,722	-9.0%	5,808	6,256	3,778	4,350	0	0	168	116
Illinois	3,353	3,664	-8.5%	585	877	2,600	2,670	0	0	168	116
Indiana	2,436	2,118	15.0%	2,284	1,998	151	121	0	0	0	0
Michigan	1,139	1,241	-8.2%	1,139	1,241	0	0	0	0	0	0
Ohio	1,514	2,130	-29.0%	487	571	1,027	1,559	0	0	0	0
Wisconsin	1,311	1,569	-16.0%	1,311	1,569	0	0	0	0	0	0
West North Central	9,074	9,780	-7.2%	8,840	9,528	0	0	1	4	232	248
Iowa	1,017	1,182	-14.0%	850	1,013	0	0	0	0	167	168
Kansas	901	1,097	-18.0%	901	1,097	0	0	0	0	0	0
Minnesota	990	1,178	-16.0%	990	1,178	0	0	0	0	0	0
Missouri	3,098	2,976	4.1%	3,096	2,972	0	0	1	4	0	0
Nebraska	968	1,217	-20.0%	903	1,137	0	0	0	0	65	80
North Dakota	1,968	2,006	-1.9%	1,968	2,006	0	0	0	0	0	0
South Dakota	132	124	6.5%	132	124	0	0	0	0	0	0
South Atlantic	5,551	7,320	-24.0%	4,772	6,375	674	841	0	0	105	103
Delaware	0	35	-100.0%	0	0	0	35	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	764	1,199	-36.0%	756	1,176	0	13	0	0	8	11
Georgia	1,076	1,271	-15.0%	1,055	1,258	0	0	0	0	21	13
Maryland	345	392	-12.0%	0	0	325	374	0	0	20	19
North Carolina	998	1,124	-11.0%	970	1,094	6	2	0	0	21	28
South Carolina	416	505	-18.0%	416	497	0	0	0	0	0	8
Virginia	337	495	-32.0%	257	448	45	22	0	0	35	25
West Virginia	1,615	2,297	-30.0%	1,317	1,901	298	396	0	0	0	0
East South Central	4,362	5,075	-14.0%	4,061	4,791	216	187	0	0	85	97
Alabama	1,278	1,185	7.9%	1,278	1,185	0	0	0	0	0	0
Kentucky	2,162	3,127	-31.0%	2,162	3,127	0	0	0	0	0	0
Mississippi	352	249	41.0%	136	62	216	187	0	0	0	0
Tennessee	570	515	11.0%	485	418	0	0	0	0	85	97
West South Central	7,857	9,713	-19.0%	4,476	4,593	3,342	5,084	0	0	39	35
Arkansas	1,411	1,091	29.0%	1,155	1,053	247	33	0	0	9	5
Louisiana	635	837	-24.0%	356	575	279	262	0	0	0	0
Oklahoma	875	889	-1.5%	802	775	43	83	0	0	30	30
Texas	4,936	6,895	-28.0%	2,163	2,189	2,772	4,706	0	0	0	0
Mountain	6,177	7,329	-16.0%	5,375	6,463	802	867	0	0	0	0
Arizona	1,315	1,288	2.0%	1,315	1,288	0	0	0	0	0	0
Colorado	1,216	1,440	-16.0%	1,216	1,440	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	718	782	-8.1%	23	23	695	758	0	0	0	0
Nevada	31	31	0.2%	0	0	31	31	0	0	0	0
New Mexico	297	872	-66.0%	297	872	0	0	0	0	0	0
Utah	855	1,061	-19.0%	819	1,027	36	35	0	0	0	0
Wyoming	1,745	1,856	-6.0%	1,705	1,813	40	43	0	0	0	0
Pacific Contiguous	199	274	-27.0%	0	69	177	139	0	0	22	66
California	22	66	-67.0%	0	0	0	0	0	0	22	66
Oregon	0	69	-100.0%	0	69	0	0	0	0	0	0
Washington	177	139	28.0%	0	0	177	139	0	0	0	0
Pacific Noncontiguous	77	72	6.8%	16	13	61	59	0	0	0	0
Alaska	16	13	19.0%	16	13	0	0	0	0	0	0
Hawaii	61	59	4.1%	0	0	61	59	0	0	0	0
U.S. Total	44,662	52,098	-14.0%	33,348	38,088	10,651	13,304	1	4	662	702

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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.
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 2018 and 2017
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
New England	63	149	-58.0%	45	45	18	105	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	18	18	-3.1%	0	0	18	18	0	0	0	0
Massachusetts	0	87	-100.0%	0	0	0	87	0	0	0	0
New Hampshire	45	45	0.7%	45	45	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	3,507	3,770	-7.0%	0	0	3,487	3,689	0	0	20	82
New Jersey	121	134	-9.8%	0	0	121	134	0	0	0	0
New York	160	94	70.0%	0	0	151	45	0	0	9	49
Pennsylvania	3,226	3,542	-8.9%	0	0	3,215	3,509	0	0	11	33
East North Central	20,055	22,256	-9.9%	11,807	12,573	7,919	9,395	0	0	329	288
Illinois	6,903	7,375	-6.4%	1,278	1,494	5,295	5,592	0	0	329	288
Indiana	4,757	4,378	8.7%	4,468	4,132	289	246	0	0	0	0
Michigan	2,148	2,496	-14.0%	2,148	2,495	0	0	0	0	0	1
Ohio	3,313	4,656	-29.0%	979	1,099	2,334	3,557	0	0	0	0
Wisconsin	2,933	3,351	-12.0%	2,933	3,351	0	0	0	0	0	0
West North Central	19,428	20,229	-4.0%	18,906	19,736	0	0	6	9	517	484
Iowa	2,353	2,477	-5.0%	1,982	2,135	0	0	0	0	370	342
Kansas	2,141	2,409	-11.0%	2,141	2,409	0	0	0	0	0	0
Minnesota	1,855	2,415	-23.0%	1,855	2,415	0	0	0	0	0	0
Missouri	6,545	6,237	4.9%	6,540	6,228	0	0	6	9	0	0
Nebraska	2,053	2,506	-18.0%	1,906	2,364	0	0	0	0	147	142
North Dakota	4,214	3,947	6.8%	4,214	3,947	0	0	0	0	0	0
South Dakota	268	238	12.0%	268	238	0	0	0	0	0	0
South Atlantic	11,963	15,319	-22.0%	9,982	13,171	1,791	1,949	0	0	190	199
Delaware	0	47	-100.0%	0	0	0	47	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,761	2,495	-29.0%	1,744	2,461	0	13	0	0	18	21
Georgia	2,265	2,752	-18.0%	2,236	2,732	0	0	0	0	29	20
Maryland	745	1,004	-26.0%	0	0	705	964	0	0	40	40
North Carolina	1,768	2,317	-24.0%	1,708	2,251	15	3	0	0	45	62
South Carolina	850	1,094	-22.0%	850	1,082	0	0	0	0	0	11
Virginia	770	1,132	-32.0%	631	1,031	79	57	0	0	59	44
West Virginia	3,805	4,479	-15.0%	2,813	3,614	992	865	0	0	0	0
East South Central	8,730	10,822	-19.0%	8,053	10,267	496	369	0	0	180	186
Alabama	2,484	2,508	-0.9%	2,484	2,508	0	0	0	0	0	0
Kentucky	4,363	6,405	-32.0%	4,363	6,405	0	0	0	0	0	0
Mississippi	737	543	36.0%	241	174	496	369	0	0	0	0
Tennessee	1,146	1,367	-16.0%	965	1,181	0	0	0	0	180	186
West South Central	17,184	20,972	-18.0%	9,472	9,856	7,639	11,043	0	0	73	73
Arkansas	2,903	2,400	21.0%	2,385	2,240	505	147	0	0	14	12
Louisiana	1,220	1,768	-31.0%	778	1,160	443	607	0	0	0	0
Oklahoma	1,965	1,846	6.5%	1,764	1,611	142	174	0	0	60	61
Texas	11,095	14,959	-26.0%	4,545	4,845	6,550	10,114	0	0	0	0
Mountain	13,215	15,296	-14.0%	11,342	13,442	1,873	1,854	0	0	0	0
Arizona	2,667	2,456	8.6%	2,667	2,456	0	0	0	0	0	0
Colorado	2,323	2,804	-17.0%	2,323	2,804	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	1,667	1,656	0.7%	41	50	1,626	1,606	0	0	0	0
Nevada	91	84	9.0%	0	0	91	84	0	0	0	0
New Mexico	751	1,961	-62.0%	751	1,961	0	0	0	0	0	0
Utah	1,860	2,146	-13.0%	1,787	2,072	73	74	0	0	0	0
Wyoming	3,855	4,188	-7.9%	3,772	4,098	83	90	0	0	0	0
Pacific Contiguous	634	658	-3.7%	0	123	547	448	0	0	87	88
California	87	88	-0.9%	0	0	0	0	0	0	87	88
Oregon	0	123	-100.0%	0	123	0	0	0	0	0	0
Washington	547	448	22.0%	0	0	547	448	0	0	0	0
Pacific Noncontiguous	158	89	78.0%	33	30	125	59	0	0	0	0
Alaska	33	30	11.0%	33	30	0	0	0	0	0	0
Hawaii	125	59	112.0%	0	0	125	59	0	0	0	0
U.S. Total	94,937	109,561	-13.0%	69,640	79,242	23,894	28,911	6	9	1,397	1,400

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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.
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 2018 and 2017
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	79	57	40.0%	13	2	66	55	0	0	0	0
Connecticut	3	1	133.0%	0	0	3	1	0	0	0	0
Maine	2	3	-52.0%	0	0	2	3	0	0	0	0
Massachusetts	74	50	47.0%	12	0	62	50	0	0	0	0
New Hampshire	1	2	-49.0%	1	2	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	590	35	NM	406	15	173	14	0	0	11	7
New Jersey	1	0	487.0%	0	0	1	0	0	0	0	0
New York	462	17	NM	406	15	51	2	0	0	5	0
Pennsylvania	127	18	602.0%	0	0	121	12	0	0	6	6
East North Central	44	51	-14.0%	27	33	17	12	0	0	0	5
Illinois	5	9	-45.0%	0	1	5	8	0	0	0	0
Indiana	11	11	-5.6%	10	11	1	0	0	0	0	0
Michigan	8	12	-29.0%	8	9	0	0	0	0	0	2
Ohio	15	19	-19.0%	9	11	6	4	0	0	0	3
Wisconsin	5	0	NM	0	0	5	0	0	0	0	0
West North Central	27	48	-44.0%	27	48	0	0	0	0	0	0
Iowa	8	16	-51.0%	8	16	0	0	0	0	0	0
Kansas	7	5	37.0%	7	5	0	0	0	0	0	0
Minnesota	1	2	-37.0%	1	2	0	0	0	0	0	0
Missouri	7	10	-29.0%	7	10	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	3	15	-76.0%	3	15	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	288	139	108.0%	161	107	109	24	0	0	18	7
Delaware	17	2	862.0%	0	0	17	2	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	34	61	-44.0%	32	60	0	0	0	0	2	0
Georgia	17	12	37.0%	14	8	0	0	0	0	3	4
Maryland	66	3	NM	0	0	66	3	0	0	0	0
North Carolina	30	17	81.0%	29	14	0	0	0	0	2	3
South Carolina	28	6	391.0%	18	6	0	0	0	0	10	0
Virginia	68	22	214.0%	47	2	20	19	0	0	2	1
West Virginia	27	17	61.0%	21	17	6	0	0	0	0	0
East South Central	14	23	-40.0%	14	23	0	0	0	0	1	0
Alabama	2	2	-16.0%	2	2	0	0	0	0	0	0
Kentucky	7	10	-24.0%	7	10	0	0	0	0	0	0
Mississippi	1	1	75.0%	1	1	0	0	0	0	0	0
Tennessee	3	11	-67.0%	3	10	0	0	0	0	1	0
West South Central	11	25	-58.0%	9	6	2	20	0	0	0	0
Arkansas	3	14	-78.0%	3	0	0	14	0	0	0	0
Louisiana	3	0	--	3	0	0	0	0	0	0	0
Oklahoma	1	0	NM	1	0	0	0	0	0	0	0
Texas	3	12	-71.0%	2	6	2	6	0	0	0	0
Mountain	29	25	20.0%	28	22	1	2	0	0	0	0
Arizona	9	5	83.0%	9	5	0	0	0	0	0	0
Colorado	1	1	33.0%	1	1	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	1	2	-76.0%	0	0	1	2	0	0	0	0
Nevada	1	0	179.0%	0	0	1	0	0	0	0	0
New Mexico	3	6	-52.0%	3	6	0	0	0	0	0	0
Utah	9	2	429.0%	9	2	0	0	0	0	0	0
Wyoming	7	9	-22.0%	7	9	0	0	0	0	0	0
Pacific Contiguous	0	1	-100.0%	0	1	0	0	0	0	0	0
California	0	0	--	0	0	0	0	0	0	0	0
Oregon	0	1	-100.0%	0	1	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	715	611	17.0%	618	497	97	114	0	0	0	0
Alaska	0	0	-100.0%	0	0	0	0	0	0	0	0
Hawaii	715	611	17.0%	618	496	97	114	0	0	0	0
U.S. Total	1,797	1,015	77.0%	1,303	754	465	241	0	0	30	19

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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 2018 and 2017
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
New England	1,002	180	456.0%	112	4	890	176	0	0	0	0
Connecticut	104	15	618.0%	0	0	104	15	0	0	0	0
Maine	250	84	199.0%	0	0	250	84	0	0	0	0
Massachusetts	368	78	374.0%	12	0	356	78	0	0	0	0
New Hampshire	180	4	NM	100	4	80	0	0	0	0	0
Rhode Island	100	0	--	0	0	100	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	2,208	211	948.0%	637	101	1,548	101	0	0	23	9
New Jersey	133	0	NM	0	0	133	0	0	0	0	0
New York	1,651	147	NM	637	101	1,004	45	0	0	10	2
Pennsylvania	423	63	571.0%	0	0	411	56	0	0	12	7
East North Central	135	122	11.0%	91	74	39	42	0	0	6	5
Illinois	11	19	-39.0%	0	1	11	18	0	0	0	0
Indiana	36	28	29.0%	36	28	1	0	0	0	0	0
Michigan	19	24	-21.0%	18	21	0	0	0	0	1	3
Ohio	43	45	-4.4%	23	18	16	24	0	0	5	3
Wisconsin	25	6	301.0%	15	6	11	0	0	0	0	0
West North Central	101	90	13.0%	101	90	0	0	0	0	0	0
Iowa	25	21	22.0%	25	21	0	0	0	0	0	0
Kansas	13	15	-11.0%	13	15	0	0	0	0	0	0
Minnesota	3	4	-36.0%	3	4	0	0	0	0	0	0
Missouri	45	21	112.0%	45	21	0	0	0	0	0	0
Nebraska	1	0	--	1	0	0	0	0	0	0	0
North Dakota	14	29	-50.0%	14	29	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	1,785	302	492.0%	1,204	229	516	50	0	0	66	23
Delaware	38	4	791.0%	0	0	38	4	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	88	77	15.0%	83	74	0	0	0	0	6	3
Georgia	105	36	194.0%	60	26	25	3	0	0	20	7
Maryland	314	11	NM	0	0	314	11	0	0	0	0
North Carolina	561	79	610.0%	554	73	0	1	0	0	7	5
South Carolina	225	17	NM	159	14	43	0	0	0	23	3
Virginia	373	42	797.0%	288	6	75	31	0	0	10	5
West Virginia	81	36	123.0%	61	36	20	0	0	0	0	0
East South Central	125	77	62.0%	66	71	58	4	0	0	1	2
Alabama	84	11	680.0%	26	7	58	4	0	0	0	0
Kentucky	20	32	-37.0%	20	32	0	0	0	0	0	0
Mississippi	5	5	7.6%	5	5	0	0	0	0	0	0
Tennessee	16	30	-48.0%	15	28	0	0	0	0	1	2
West South Central	16	41	-60.0%	13	8	3	33	0	0	0	0
Arkansas	3	21	-86.0%	3	2	0	20	0	0	0	0
Louisiana	3	0	--	3	0	0	0	0	0	0	0
Oklahoma	1	1	20.0%	1	1	0	0	0	0	0	0
Texas	9	19	-52.0%	6	6	3	13	0	0	0	0
Mountain	45	52	-13.0%	43	49	2	3	0	0	0	0
Arizona	16	12	34.0%	16	12	0	0	0	0	0	0
Colorado	2	1	167.0%	2	1	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	1	2	-52.0%	0	0	1	2	0	0	0	0
Nevada	1	1	-4.2%	0	0	1	1	0	0	0	0
New Mexico	7	17	-63.0%	7	17	0	0	0	0	0	0
Utah	12	9	33.0%	11	9	0	0	0	0	0	0
Wyoming	7	10	-27.0%	7	10	0	0	0	0	0	0
Pacific Contiguous	0	12	-100.0%	0	7	0	5	0	0	0	0
California	0	0	--	0	0	0	0	0	0	0	0
Oregon	0	7	-100.0%	0	7	0	0	0	0	0	0
Washington	0	5	-100.0%	0	0	0	5	0	0	0	0
Pacific Noncontiguous	1,328	1,475	-10.0%	1,132	1,191	195	284	0	0	0	0
Alaska	0	0	-100.0%	0	0	0	0	0	0	0	0
Hawaii	1,328	1,475	-10.0%	1,132	1,190	195	284	0	0	0	0
U.S. Total	6,745	2,561	163.0%	3,399	1,823	3,251	698	0	0	95	40

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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 4.8.A. Receipts of Petroleum Coke Delivered for Electricity Generation by State, February 2018 and 2017
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
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	56	29	93.0%	56	29	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	50	26	90.0%	50	26	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	6	3	116.0%	6	3	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	110	39	184.0%	110	39	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	110	39	184.0%	110	39	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	27	-100.0%	0	27	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	27	-100.0%	0	27	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	111	176	-37.0%	111	176	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	111	176	-37.0%	111	176	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	277	271	2.3%	277	271	0	0	0	0	0	0

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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 2018 and 2017 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 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	113	76	49.0%	113	76	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	99	71	40.0%	99	71	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	14	5	165.0%	14	5	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	177	75	135.0%	177	75	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	177	75	135.0%	177	75	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	48	-100.0%	0	48	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	48	-100.0%	0	48	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	234	323	-27.0%	234	323	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	234	323	-27.0%	234	323	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	525	522	0.6%	525	522	0	0	0	0	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:
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 4.9.A. Receipts of Natural Gas Delivered for Electricity Generation by State, February 2018 and 2017
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	20,811	18,633	12.0%	3	1	20,807	18,632	0	0	0	0
Connecticut	8,361	7,864	6.3%	0	0	8,361	7,864	0	0	0	0
Maine	340	2	NM	0	0	340	2	0	0	0	0
Massachusetts	10,057	9,105	10.0%	0	0	10,057	9,105	0	0	0	0
New Hampshire	228	898	-75.0%	3	1	224	897	0	0	0	0
Rhode Island	1,825	763	139.0%	0	0	1,825	763	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	73,562	58,348	26.0%	5,877	5,892	66,859	52,105	0	0	827	351
New Jersey	17,849	8,482	110.0%	0	0	17,849	8,482	0	0	0	0
New York	20,273	21,714	-6.6%	5,877	5,892	13,841	15,742	0	0	556	79
Pennsylvania	35,440	28,153	26.0%	0	0	35,169	27,880	0	0	271	273
East North Central	59,421	42,453	40.0%	21,314	15,338	36,275	25,223	549	574	1,282	1,319
Illinois	2,551	5,488	-54.0%	15	9	2,533	5,473	0	0	4	6
Indiana	10,411	8,627	21.0%	4,036	6,711	6,374	1,915	0	0	0	0
Michigan	16,451	10,957	50.0%	3,523	1,668	11,772	8,110	549	574	607	605
Ohio	20,527	13,567	51.0%	4,602	3,665	15,485	9,463	0	0	440	439
Wisconsin	9,482	3,814	149.0%	9,139	3,284	111	261	0	0	232	269
West North Central	9,973	1,229	712.0%	8,685	1,023	835	0	139	50	313	156
Iowa	3,160	226	NM	2,848	83	0	0	0	0	312	143
Kansas	1,111	551	102.0%	1,111	551	0	0	0	0	0	0
Minnesota	2,553	20	NM	2,529	7	22	0	1	0	1	13
Missouri	3,024	230	NM	2,072	181	813	0	139	50	0	0
Nebraska	110	71	55.0%	110	71	0	0	0	0	0	0
North Dakota	14	130	-89.0%	14	130	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	168,039	146,743	15.0%	139,931	126,889	25,108	17,102	0	0	3,000	2,752
Delaware	2,345	1,760	33.0%	0	0	2,345	1,760	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	77,947	65,380	19.0%	75,249	64,812	2,434	308	0	0	264	261
Georgia	26,430	25,539	3.5%	20,976	20,189	4,750	4,584	0	0	704	766
Maryland	3,673	2,420	52.0%	0	0	3,461	2,223	0	0	212	197
North Carolina	22,131	21,186	4.5%	19,557	18,924	2,307	2,176	0	0	267	86
South Carolina	6,808	7,680	-11.0%	6,508	7,235	190	361	0	0	109	85
Virginia	27,992	22,097	27.0%	17,626	15,719	9,560	5,666	0	0	807	712
West Virginia	713	680	4.9%	15	9	61	24	0	0	637	647
East South Central	60,245	43,989	37.0%	41,774	28,354	17,025	14,235	0	0	1,446	1,400
Alabama	22,597	19,966	13.0%	7,544	7,989	15,053	11,977	0	0	0	0
Kentucky	6,513	1,471	343.0%	6,430	1,471	83	0	0	0	0	0
Mississippi	24,807	16,283	52.0%	22,918	14,025	1,889	2,258	0	0	0	0
Tennessee	6,328	6,269	0.9%	4,882	4,869	0	0	0	0	1,446	1,400
West South Central	190,401	130,669	46.0%	42,431	23,492	98,978	64,051	0	0	48,993	43,127
Arkansas	10,383	4,295	142.0%	1,699	1	8,519	4,143	0	0	165	151
Louisiana	34,147	29,712	15.0%	15,750	12,281	1,931	1,999	0	0	16,466	15,432
Oklahoma	16,867	9,787	72.0%	8,819	6,313	7,797	3,387	0	0	250	87
Texas	129,004	86,875	48.0%	16,162	4,897	80,731	54,522	0	0	32,111	27,457
Mountain	39,207	29,540	33.0%	33,714	25,150	5,435	4,323	0	0	57	66
Arizona	9,591	5,318	80.0%	8,285	3,830	1,305	1,487	0	0	0	0
Colorado	9,340	5,251	78.0%	7,786	4,452	1,554	799	0	0	0	0
Idaho	356	0	--	356	0	0	0	0	0	0	0
Montana	199	199	0.2%	199	199	0	0	0	0	0	0
Nevada	11,459	11,629	-1.5%	11,459	11,629	0	0	0	0	0	0
New Mexico	5,137	4,611	11.0%	2,713	2,678	2,424	1,933	0	0	0	0
Utah	2,981	2,510	19.0%	2,774	2,340	149	104	0	0	57	66
Wyoming	144	23	530.0%	141	23	3	0	0	0	0	0
Pacific Contiguous	45,298	43,261	4.7%	18,983	16,370	24,465	24,410	0	0	1,851	2,481
California	37,319	37,833	-1.4%	15,669	14,587	19,799	20,764	0	0	1,851	2,481
Oregon	5,880	4,351	35.0%	2,339	706	3,540	3,645	0	0	0	0
Washington	2,100	1,076	95.0%	974	1,076	1,126	0	0	0	0	0
Pacific Noncontiguous	133	124	6.8%	133	124	0	0	0	0	0	0
Alaska	133	124	6.8%	133	124	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	667,090	514,989	30.0%	312,845	242,633	295,788	220,081	688	624	57,769	51,652

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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:
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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 2018 and 2017 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
New England	43,151	40,516	6.5%	4	2	43,146	40,514	0	0	0	0
Connecticut	17,100	17,799	-3.9%	0	0	17,100	17,799	0	0	0	0
Maine	754	4	NM	0	0	754	4	0	0	0	0
Massachusetts	20,545	19,128	7.4%	0	0	20,545	19,128	0	0	0	0
New Hampshire	1,150	2,008	-43.0%	4	2	1,145	2,006	0	0	0	0
Rhode Island	3,602	1,577	128.0%	0	0	3,602	1,577	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	144,615	125,102	16.0%	12,488	12,524	130,343	112,081	0	0	1,784	497
New Jersey	31,567	19,038	66.0%	0	0	31,567	19,038	0	0	0	0
New York	43,314	46,787	-7.4%	12,488	12,524	29,605	34,111	0	0	1,222	153
Pennsylvania	69,734	59,276	18.0%	0	0	69,171	58,932	0	0	562	344
East North Central	132,037	89,339	48.0%	52,242	32,599	75,885	52,922	1,211	1,153	2,698	2,665
Illinois	7,722	10,273	-25.0%	167	31	7,552	10,228	0	0	4	14
Indiana	24,094	18,480	30.0%	15,279	14,482	8,815	3,998	0	0	0	0
Michigan	37,014	24,492	51.0%	9,313	4,111	25,245	18,062	1,211	1,153	1,245	1,165
Ohio	44,603	28,120	59.0%	9,848	7,260	33,798	19,936	0	0	957	925
Wisconsin	18,603	7,974	133.0%	17,636	6,714	476	699	0	0	492	561
West North Central	20,570	3,025	580.0%	18,166	2,447	1,504	0	295	110	605	469
Iowa	6,758	637	960.0%	6,156	187	0	0	0	0	602	450
Kansas	2,141	1,390	54.0%	2,141	1,390	0	0	0	0	0	0
Minnesota	5,300	43	NM	5,253	23	43	0	1	1	3	19
Missouri	6,115	563	986.0%	4,360	455	1,460	0	294	108	0	0
Nebraska	217	181	20.0%	217	181	0	0	0	0	0	0
North Dakota	39	210	-82.0%	39	210	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	345,938	293,782	18.0%	291,151	255,944	48,618	32,339	0	0	6,169	5,499
Delaware	3,963	3,195	24.0%	0	0	3,963	3,195	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	162,139	134,094	21.0%	156,529	133,266	5,143	397	0	0	467	431
Georgia	54,488	52,214	4.4%	43,255	41,452	9,638	9,277	0	0	1,596	1,485
Maryland	5,657	2,822	100.0%	0	0	5,207	2,409	0	0	450	413
North Carolina	45,327	42,659	6.3%	40,007	37,977	4,803	4,526	0	0	516	155
South Carolina	17,898	14,305	25.0%	15,292	13,003	2,405	1,070	0	0	201	233
Virginia	54,812	42,967	28.0%	35,816	30,135	17,370	11,419	0	0	1,626	1,413
West Virginia	1,653	1,526	8.3%	252	112	88	46	0	0	1,313	1,369
East South Central	151,069	99,277	52.0%	106,139	66,101	41,870	30,393	0	0	3,060	2,783
Alabama	52,235	42,253	24.0%	16,764	16,864	35,471	25,389	0	0	0	0
Kentucky	20,501	4,081	402.0%	19,203	3,876	1,298	205	0	0	0	0
Mississippi	61,182	40,614	51.0%	56,081	35,814	5,101	4,799	0	0	0	0
Tennessee	17,151	12,329	39.0%	14,091	9,546	0	0	0	0	3,060	2,783
West South Central	401,984	275,081	46.0%	91,420	49,480	205,526	135,343	0	0	105,037	90,258
Arkansas	20,069	6,023	233.0%	3,130	7	16,423	5,601	0	0	516	415
Louisiana	75,062	61,471	22.0%	34,553	23,568	5,248	4,366	0	0	35,261	33,536
Oklahoma	32,209	23,220	39.0%	16,939	15,110	14,799	7,957	0	0	471	153
Texas	274,643	184,367	49.0%	36,799	10,794	169,056	117,419	0	0	68,789	56,154
Mountain	82,383	72,076	14.0%	70,542	62,032	11,710	9,911	0	0	131	133
Arizona	21,286	14,981	42.0%	17,222	11,512	4,064	3,468	0	0	0	0
Colorado	19,097	12,914	48.0%	16,114	10,861	2,983	2,053	0	0	0	0
Idaho	356	0	--	356	0	0	0	0	0	0	0
Montana	438	448	-2.4%	438	448	0	0	0	0	0	0
Nevada	24,320	26,244	-7.3%	24,320	26,244	0	0	0	0	0	0
New Mexico	10,022	10,452	-4.1%	5,627	6,205	4,395	4,248	0	0	0	0
Utah	6,684	6,924	-3.5%	6,290	6,649	263	142	0	0	131	133
Wyoming	181	112	61.0%	176	112	5	0	0	0	0	0
Pacific Contiguous	98,201	102,074	-3.8%	41,336	39,755	52,357	57,474	0	0	4,508	4,845
California	78,527	84,887	-7.5%	32,279	32,835	41,740	47,207	0	0	4,508	4,845
Oregon	14,182	12,726	11.0%	5,857	2,459	8,325	10,267	0	0	0	0
Washington	5,493	4,461	23.0%	3,200	4,461	2,293	0	0	0	0	0
Pacific Noncontiguous	305	270	13.0%	305	270	0	0	0	0	0	0
Alaska	305	270	13.0%	305	270	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,420,252	1,100,540	29.0%	683,795	521,153	610,958	470,976	1,506	1,263	123,994	107,149

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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.

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 2018 and 2017
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017
New England	W	W	W	--	--	W	W
Connecticut	--	--	--	--	--	--	--
Maine	W	W	W	--	--	W	W
Massachusetts	--	W	W	--	--	--	W
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.22	2.06	7.8%	--	--	2.22	2.06
New Jersey	W	W	W	--	--	W	W
New York	W	W	W	--	--	W	W
Pennsylvania	2.15	2.00	7.5%	--	--	2.15	2.00
East North Central	1.99	2.01	-1.0%	2.08	2.09	1.84	1.88
Illinois	1.75	1.80	-2.8%	1.80	1.87	1.74	1.77
Indiana	W	W	W	2.13	2.14	W	W
Michigan	2.15	2.24	-4.0%	2.15	2.24	--	--
Ohio	W	W	W	1.81	1.76	W	W
Wisconsin	2.18	2.20	-0.9%	2.18	2.20	--	--
West North Central	1.72	1.74	-1.1%	1.72	1.74	--	--
Iowa	1.72	1.70	1.2%	1.72	1.70	--	--
Kansas	1.70	1.69	0.6%	1.70	1.69	--	--
Minnesota	2.12	2.10	1.0%	2.12	2.10	--	--
Missouri	1.87	1.85	1.1%	1.87	1.85	--	--
Nebraska	1.23	1.38	-11.0%	1.23	1.38	--	--
North Dakota	1.44	1.52	-5.3%	1.44	1.52	--	--
South Dakota	1.78	2.29	-22.0%	1.78	2.29	--	--
South Atlantic	2.72	2.67	1.9%	2.75	2.70	2.49	2.44
Delaware	--	W	W	--	--	--	W
District of Columbia	--	--	--	--	--	--	--
Florida	2.92	W	W	2.92	3.00	--	W
Georgia	2.85	2.80	1.8%	2.85	2.80	--	--
Maryland	2.70	2.87	-5.9%	--	--	2.70	2.87
North Carolina	W	W	W	3.03	2.94	W	W
South Carolina	3.46	3.39	2.1%	3.46	3.39	--	--
Virginia	W	W	W	2.67	2.66	W	W
West Virginia	W	W	W	2.19	2.18	W	W
East South Central	W	W	W	2.14	2.06	W	W
Alabama	2.30	2.22	3.6%	2.30	2.22	--	--
Kentucky	2.02	1.97	2.5%	2.02	1.97	--	--
Mississippi	W	W	W	2.82	2.78	W	W
Tennessee	2.17	2.26	-4.0%	2.17	2.26	--	--
West South Central	1.90	1.94	-2.1%	2.00	2.17	1.78	1.72
Arkansas	W	W	W	1.92	2.29	W	W
Louisiana	W	W	W	2.28	2.39	W	W
Oklahoma	W	W	W	1.77	1.95	W	W
Texas	1.88	1.83	2.7%	2.08	2.14	1.71	1.68
Mountain	W	W	W	2.00	1.88	W	W
Arizona	2.45	2.32	5.6%	2.45	2.32	--	--
Colorado	1.71	1.78	-3.9%	1.71	1.78	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	1.91	1.72	W	W
Nevada	W	W	W	--	--	W	W
New Mexico	2.15	1.66	30.0%	2.15	1.66	--	--
Utah	2.04	1.98	3.0%	2.04	1.98	--	--
Wyoming	W	W	W	1.78	1.67	W	W
Pacific Contiguous	W	W	W	--	2.56	W	W
California	--	--	--	--	--	--	--
Oregon	--	2.56	--	--	2.56	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	3.21	3.04	W	W
Alaska	3.21	3.04	5.6%	3.21	3.04	--	--
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.06	2.06	0.0%	2.10	2.11	1.94	1.90

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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 2018 and 2017
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
New England	W	W	W	3.61	4.34	W	W
Connecticut	--	--	--	--	--	--	--
Maine	W	W	W	--	--	W	W
Massachusetts	--	W	W	--	--	--	W
New Hampshire	3.61	4.34	-17.0%	3.61	4.34	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.63	2.07	27.0%	--	--	2.63	2.07
New Jersey	W	W	W	--	--	W	W
New York	W	W	W	--	--	W	W
Pennsylvania	2.56	2.00	28.0%	--	--	2.56	2.00
East North Central	1.98	2.02	-2.0%	2.08	2.12	1.84	1.89
Illinois	1.76	1.80	-2.2%	1.80	1.88	1.75	1.78
Indiana	W	W	W	2.10	2.15	W	W
Michigan	2.19	2.26	-3.1%	2.19	2.26	--	--
Ohio	W	W	W	1.81	1.77	W	W
Wisconsin	2.19	2.24	-2.2%	2.19	2.24	--	--
West North Central	1.71	1.76	-2.8%	1.71	1.76	--	--
Iowa	1.68	1.69	-0.6%	1.68	1.69	--	--
Kansas	1.68	1.69	-0.6%	1.68	1.69	--	--
Minnesota	2.10	2.10	0.0%	2.10	2.10	--	--
Missouri	1.87	1.89	-1.1%	1.87	1.89	--	--
Nebraska	1.24	1.37	-9.5%	1.24	1.37	--	--
North Dakota	1.45	1.57	-7.6%	1.45	1.57	--	--
South Dakota	1.93	2.28	-15.0%	1.93	2.28	--	--
South Atlantic	2.69	2.71	-0.7%	2.75	2.73	2.32	2.58
Delaware	--	W	W	--	--	--	W
District of Columbia	--	--	--	--	--	--	--
Florida	2.95	W	W	2.95	3.03	--	W
Georgia	2.86	2.76	3.6%	2.86	2.76	--	--
Maryland	2.62	2.92	-10.0%	--	--	2.62	2.92
North Carolina	W	W	W	3.04	2.99	W	W
South Carolina	3.42	3.33	2.7%	3.42	3.33	--	--
Virginia	W	W	W	2.68	2.67	W	W
West Virginia	W	W	W	2.21	2.19	W	W
East South Central	W	W	W	2.13	2.07	W	W
Alabama	2.30	2.17	6.0%	2.30	2.17	--	--
Kentucky	2.01	1.97	2.0%	2.01	1.97	--	--
Mississippi	W	W	W	2.78	2.97	W	W
Tennessee	2.15	2.23	-3.6%	2.15	2.23	--	--
West South Central	1.85	1.92	-3.6%	1.96	2.15	1.71	1.71
Arkansas	W	W	W	1.93	2.16	W	W
Louisiana	W	W	W	2.09	2.42	W	W
Oklahoma	W	W	W	1.76	1.96	W	W
Texas	1.81	1.83	-1.1%	2.03	2.14	1.65	1.67
Mountain	W	W	W	2.01	1.91	W	W
Arizona	2.42	2.25	7.6%	2.42	2.25	--	--
Colorado	1.68	1.80	-6.7%	1.68	1.80	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	1.88	1.74	W	W
Nevada	W	W	W	--	--	W	W
New Mexico	2.28	1.95	17.0%	2.28	1.95	--	--
Utah	2.05	1.96	4.6%	2.05	1.96	--	--
Wyoming	W	W	W	1.81	1.72	W	W
Pacific Contiguous	W	W	W	--	2.43	W	W
California	--	--	--	--	--	--	--
Oregon	--	2.43	--	--	2.43	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	3.32	2.95	W	W
Alaska	3.32	2.95	13.0%	3.32	2.95	--	--
Hawaii	W	W	W	--	--	W	W
U.S. Total	2.06	2.07	-0.5%	2.09	2.13	1.97	1.92

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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 2018 and 2017
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017
New England	W	W	W	15.21	14.40	W	W
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	15.00	--	W	W
New Hampshire	17.99	14.40	25.0%	17.99	14.40	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	W	10.84	W	10.65	9.22	W	12.77
New Jersey	W	W	W	--	--	W	W
New York	W	W	W	10.65	9.22	W	W
Pennsylvania	15.33	W	W	--	--	15.33	W
East North Central	15.54	12.61	23.0%	15.75	12.60	15.04	12.64
Illinois	W	W	W	--	12.04	W	W
Indiana	W	12.49	W	15.33	12.49	W	--
Michigan	15.04	11.73	28.0%	15.04	11.73	--	--
Ohio	W	W	W	16.83	13.48	W	W
Wisconsin	--	12.34	--	--	12.34	--	--
West North Central	14.85	12.10	23.0%	14.85	12.10	--	--
Iowa	15.17	11.96	27.0%	15.17	11.96	--	--
Kansas	14.98	12.06	24.0%	14.98	12.06	--	--
Minnesota	15.24	12.11	26.0%	15.24	12.11	--	--
Missouri	15.02	12.29	22.0%	15.02	12.29	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	13.39	12.14	10.0%	13.39	12.14	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	W	13.10	W	14.79	12.76	W	14.62
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	15.20	12.67	20.0%	15.20	12.67	--	--
Georgia	15.06	12.19	24.0%	15.06	12.19	--	--
Maryland	14.29	W	W	--	--	14.29	W
North Carolina	15.16	12.56	21.0%	15.16	12.56	--	--
South Carolina	16.82	13.18	28.0%	16.82	13.18	--	--
Virginia	W	W	W	13.12	13.36	W	W
West Virginia	W	13.36	W	15.83	13.36	W	--
East South Central	14.81	12.49	19.0%	14.81	12.49	--	--
Alabama	14.68	12.53	17.0%	14.68	12.53	--	--
Kentucky	15.05	12.65	19.0%	15.05	12.65	--	--
Mississippi	14.46	12.45	16.0%	14.46	12.45	--	--
Tennessee	14.42	12.34	17.0%	14.42	12.34	--	--
West South Central	W	12.84	W	14.50	12.50	W	12.94
Arkansas	14.94	W	W	14.94	--	--	W
Louisiana	13.95	--	--	13.95	--	--	--
Oklahoma	15.16	16.31	-7.1%	15.16	16.31	--	--
Texas	W	W	W	14.49	12.48	W	W
Mountain	W	W	W	16.12	13.74	W	W
Arizona	14.51	14.56	-0.3%	14.51	14.56	--	--
Colorado	15.55	12.47	25.0%	15.55	12.47	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	--	--	W	W
New Mexico	18.55	13.39	39.0%	18.55	13.39	--	--
Utah	17.28	14.65	18.0%	17.28	14.65	--	--
Wyoming	15.68	13.47	16.0%	15.68	13.47	--	--
Pacific Contiguous	--	13.51	--	--	13.51	--	--
California	--	--	--	--	--	--	--
Oregon	--	13.51	--	--	13.51	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	W	W	W	12.57	11.08	W	W
Alaska	--	17.09	--	--	17.09	--	--
Hawaii	W	W	W	12.57	11.08	W	W
U.S. Total	12.63	W	W	12.43	11.53	13.30	W

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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 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 2018 and 2017
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
New England	W	W	W	11.36	14.26	W	W
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	15.00	--	W	W
New Hampshire	W	14.26	W	10.95	14.26	W	--
Rhode Island	W	--	W	--	--	W	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	13.23	13.74	-3.7%	11.47	9.44	14.21	18.26
New Jersey	W	W	W	--	--	W	W
New York	12.87	W	W	11.47	9.44	13.86	W
Pennsylvania	W	W	W	--	--	W	W
East North Central	16.57	12.59	32.0%	16.46	12.51	16.94	12.72
Illinois	W	12.82	W	--	12.04	W	12.85
Indiana	W	12.35	W	16.02	12.35	W	--
Michigan	15.44	11.90	30.0%	15.44	11.90	--	--
Ohio	16.89	13.03	30.0%	16.24	13.58	17.81	12.63
Wisconsin	19.05	12.29	55.0%	19.05	12.29	--	--
West North Central	15.43	12.15	27.0%	15.43	12.15	--	--
Iowa	15.46	12.05	28.0%	15.46	12.05	--	--
Kansas	15.49	12.26	26.0%	15.49	12.26	--	--
Minnesota	15.42	12.44	24.0%	15.42	12.44	--	--
Missouri	15.62	12.49	25.0%	15.62	12.49	--	--
Nebraska	15.36	--	--	15.36	--	--	--
North Dakota	14.73	11.86	24.0%	14.73	11.86	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	14.51	12.78	14.0%	14.81	12.50	13.75	14.08
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	15.71	12.44	26.0%	15.71	12.44	--	--
Georgia	W	W	W	15.47	11.98	W	W
Maryland	14.13	11.63	21.0%	--	--	14.13	11.63
North Carolina	17.24	W	W	17.24	12.41	--	W
South Carolina	16.89	13.00	30.0%	16.89	13.00	--	--
Virginia	W	W	W	9.35	12.75	W	W
West Virginia	W	12.92	W	16.27	12.92	W	--
East South Central	W	W	W	15.36	12.38	W	W
Alabama	W	W	W	15.60	13.50	W	W
Kentucky	15.39	12.31	25.0%	15.39	12.31	--	--
Mississippi	14.73	12.23	20.0%	14.73	12.23	--	--
Tennessee	15.14	12.23	24.0%	15.14	12.23	--	--
West South Central	W	12.87	W	14.70	12.48	W	12.96
Arkansas	14.94	W	W	14.94	12.09	--	W
Louisiana	13.95	--	--	13.95	--	--	--
Oklahoma	15.16	13.46	13.0%	15.16	13.46	--	--
Texas	W	W	W	14.96	12.48	W	W
Mountain	16.19	W	W	16.21	13.19	15.76	W
Arizona	14.96	13.81	8.3%	14.96	13.81	--	--
Colorado	15.64	12.47	25.0%	15.64	12.47	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	--	--	W	W
New Mexico	18.95	12.93	47.0%	18.95	12.93	--	--
Utah	W	12.82	W	16.82	12.82	W	--
Wyoming	15.68	13.25	18.0%	15.68	13.25	--	--
Pacific Contiguous	--	W	W	--	13.51	--	W
California	--	--	--	--	--	--	--
Oregon	--	13.51	--	--	13.51	--	--
Washington	--	W	W	--	--	--	W
Pacific Noncontiguous	W	W	W	12.54	10.91	W	W
Alaska	--	17.09	--	--	17.09	--	--
Hawaii	W	W	W	12.54	10.91	W	W
U.S. Total	13.40	11.80	14.0%	13.33	11.27	13.48	13.23

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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 2018 and 2017
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	1.59	1.51	5.3%	1.59	1.51	--	--
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	1.56	1.48	5.4%	1.56	1.48	--	--
Ohio	--	--	--	--	--	--	--
Wisconsin	1.85	1.80	2.8%	1.85	1.80	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.82	2.74	2.9%	2.82	2.74	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.82	2.74	2.9%	2.82	2.74	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	--	1.52	--	--	1.52	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	--	1.52	--	--	1.52	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	2.44	1.98	23.0%	2.44	1.98	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	2.44	1.98	23.0%	2.44	1.98	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--
Mountain	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.43	2.00	22.0%	2.43	2.00	--	--

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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 2018 and 2017
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	1.59	1.50	6.0%	1.59	1.50	--	--
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	1.56	1.48	5.4%	1.56	1.48	--	--
Ohio	--	--	--	--	--	--	--
Wisconsin	1.77	1.78	-0.6%	1.77	1.78	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	2.92	2.89	1.0%	2.92	2.89	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.92	2.89	1.0%	2.92	2.89	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	--	1.50	--	--	1.50	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	--	1.50	--	--	1.50	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	2.40	2.08	15.0%	2.40	2.08	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	2.40	2.08	15.0%	2.40	2.08	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--
Mountain	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.41	2.07	16.0%	2.41	2.07	--	--

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 2018 and 2017
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2018	February 2017	Percentage Change	February 2018	February 2017	February 2018	February 2017
New England	6.46	W	W	10.59	9.69	6.46	W
Connecticut	7.48	5.67	32.0%	--	--	7.48	5.67
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	W	W	W	10.59	9.69	W	W
Rhode Island	W	W	W	--	--	W	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	3.77	3.64	3.6%	7.34	4.67	3.40	3.50
New Jersey	2.98	3.51	-15.0%	--	--	2.98	3.51
New York	5.33	4.39	21.0%	7.34	4.67	4.33	4.26
Pennsylvania	3.25	3.10	4.8%	--	--	3.25	3.10
East North Central	2.90	3.08	-5.8%	2.99	3.04	2.85	3.10
Illinois	W	W	W	6.02	4.61	W	W
Indiana	W	W	W	2.87	2.83	W	W
Michigan	2.85	3.07	-7.2%	3.03	3.16	2.80	3.06
Ohio	2.80	3.07	-8.8%	2.48	2.89	2.89	3.14
Wisconsin	3.30	W	W	3.30	3.57	--	W
West North Central	W	4.48	W	3.02	4.48	W	--
Iowa	2.48	4.61	-46.0%	2.48	4.61	--	--
Kansas	3.34	4.65	-28.0%	3.34	4.65	--	--
Minnesota	W	3.40	W	3.67	3.40	W	--
Missouri	W	3.01	W	2.66	3.01	W	--
Nebraska	4.52	6.12	-26.0%	4.52	6.12	--	--
North Dakota	17.20	4.80	258.0%	17.20	4.80	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	4.43	3.98	11.0%	4.47	4.04	4.16	3.26
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	4.29	W	4.75	4.29	W	--
Georgia	W	W	W	3.33	3.42	W	W
Maryland	W	3.99	W	--	--	W	3.99
North Carolina	W	W	W	4.56	4.07	W	W
South Carolina	3.58	W	W	3.58	3.33	--	W
Virginia	W	W	W	4.88	4.15	W	W
West Virginia	W	W	W	2.69	2.95	W	W
East South Central	3.14	3.35	-6.3%	3.16	3.41	3.06	3.19
Alabama	W	W	W	3.17	3.44	W	W
Kentucky	W	5.90	W	3.52	5.90	W	--
Mississippi	W	W	W	3.06	3.25	W	W
Tennessee	3.17	3.08	2.9%	3.17	3.08	--	--
West South Central	2.84	3.07	-7.5%	3.04	3.27	2.73	2.98
Arkansas	W	W	W	3.08	2.74	W	W
Louisiana	W	W	W	3.06	3.14	W	W
Oklahoma	W	W	W	2.86	3.40	W	W
Texas	2.83	3.04	-6.9%	3.12	3.43	2.75	3.00
Mountain	W	W	W	3.24	3.82	W	W
Arizona	3.20	W	W	3.20	4.57	--	W
Colorado	W	W	W	3.36	3.86	W	W
Idaho	3.32	--	--	3.32	--	--	--
Montana	1.75	2.19	-20.0%	1.75	2.19	--	--
Nevada	3.27	3.66	-11.0%	3.27	3.66	--	--
New Mexico	2.92	3.48	-16.0%	2.92	3.48	--	--
Utah	W	W	W	3.31	3.78	W	W
Wyoming	W	W	W	3.27	6.13	W	W
Pacific Contiguous	3.43	3.75	-8.5%	3.83	4.23	2.98	3.34
California	3.63	W	W	4.12	4.23	3.06	W
Oregon	W	W	W	2.34	2.84	W	W
Washington	W	5.11	W	3.44	5.11	W	--
Pacific Noncontiguous	8.44	8.09	4.3%	8.44	8.09	--	--
Alaska	8.44	8.09	4.3%	8.44	8.09	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	3.63	3.62	0.3%	3.84	3.83	3.34	3.33

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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:
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 2018 and 2017 (Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2018 YTD	February 2017 YTD	Percentage Change	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
New England	9.42	W	W	12.18	8.74	9.42	W
Connecticut	9.15	6.93	32.0%	--	--	9.15	6.93
Maine	W	W	W	--	--	W	W
Massachusetts	9.84	W	W	--	--	9.84	W
New Hampshire	W	W	W	12.18	8.74	W	W
Rhode Island	W	W	W	--	--	W	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	5.27	4.07	29.0%	7.76	5.34	5.00	3.90
New Jersey	5.03	3.74	34.0%	--	--	5.03	3.74
New York	6.72	4.84	39.0%	7.76	5.34	6.21	4.61
Pennsylvania	4.50	3.56	26.0%	--	--	4.50	3.56
East North Central	3.41	3.35	1.8%	3.66	3.36	3.24	3.34
Illinois	4.17	W	W	9.45	5.17	4.06	W
Indiana	3.59	W	W	3.81	3.21	3.21	W
Michigan	3.39	3.32	2.1%	3.92	3.50	3.20	3.28
Ohio	3.14	3.36	-6.5%	3.26	3.15	3.11	3.43
Wisconsin	3.58	W	W	3.58	3.83	--	W
West North Central	W	4.56	W	3.48	4.56	W	--
Iowa	3.25	4.76	-32.0%	3.25	4.76	--	--
Kansas	3.73	4.70	-21.0%	3.73	4.70	--	--
Minnesota	W	4.15	W	3.82	4.15	W	--
Missouri	W	3.24	W	3.07	3.24	W	--
Nebraska	5.46	5.62	-2.8%	5.46	5.62	--	--
North Dakota	15.60	5.37	191.0%	15.60	5.37	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	5.66	4.28	32.0%	5.65	4.35	5.76	3.47
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	4.56	W	4.81	4.56	W	--
Georgia	W	W	W	4.19	3.70	W	W
Maryland	W	W	W	--	--	W	W
North Carolina	W	W	W	7.50	4.33	W	W
South Carolina	W	W	W	5.11	3.57	W	W
Virginia	W	W	W	9.14	4.66	W	W
West Virginia	W	W	W	4.65	3.23	W	W
East South Central	3.63	3.61	0.6%	3.67	3.66	3.50	3.45
Alabama	W	W	W	3.57	3.69	W	W
Kentucky	W	W	W	4.22	5.51	W	W
Mississippi	W	W	W	3.56	3.51	W	W
Tennessee	3.46	3.44	0.6%	3.46	3.44	--	--
West South Central	3.45	3.29	4.9%	3.58	3.55	3.38	3.17
Arkansas	W	W	W	3.89	3.47	W	W
Louisiana	3.65	W	W	3.66	3.51	3.62	W
Oklahoma	W	W	W	3.28	3.58	W	W
Texas	3.45	3.22	7.1%	3.62	3.58	3.40	3.18
Mountain	W	W	W	3.37	4.00	W	W
Arizona	W	W	W	3.45	4.57	W	W
Colorado	W	W	W	3.51	3.82	W	W
Idaho	3.32	--	--	3.32	--	--	--
Montana	1.87	2.24	-17.0%	1.87	2.24	--	--
Nevada	3.26	3.96	-18.0%	3.26	3.96	--	--
New Mexico	3.46	3.67	-5.7%	3.46	3.67	--	--
Utah	W	W	W	3.19	3.86	W	W
Wyoming	W	W	W	3.65	4.35	W	W
Pacific Contiguous	3.48	3.96	-12.0%	3.82	4.38	3.09	3.57
California	3.65	W	W	4.11	4.42	3.15	W
Oregon	W	W	W	2.43	3.40	W	W
Washington	W	4.71	W	3.80	4.71	W	--
Pacific Noncontiguous	8.44	8.09	4.3%	8.44	8.09	--	--
Alaska	8.44	8.09	4.3%	8.44	8.09	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	4.46	3.92	14.0%	4.55	4.11	4.34	3.67

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 4.14. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Total (All Sectors) by State, February 2018

	Bituminous			Subbituminous			Lignite		
Census Division and State	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	8	0.77	7.2	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	8	0.77	7.2	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	1,249	2.80	8.5	0	--	--	0	--	--
New Jersey	56	1.57	6.4	0	--	--	0	--	--
New York	54	2.84	9.2	0	--	--	0	--	--
Pennsylvania	1,138	2.86	8.5	0	--	--	0	--	--
East North Central	4,770	3.16	10.4	4,984	0.22	4.9	0	--	--
Illinois	803	3.65	20.9	2,550	0.22	4.7	0	--	--
Indiana	2,297	2.84	8.3	138	0.25	4.6	0	--	--
Michigan	140	2.59	7.8	1,000	0.23	5.1	0	--	--
Ohio	1,514	3.48	9.2	0	--	--	0	--	--
Wisconsin	16	2.40	7.6	1,296	0.23	5.0	0	--	--
West North Central	88	3.14	9.4	7,018	0.26	5.1	1,968	0.80	9.4
Iowa	21	3.55	8.0	996	0.24	5.0	0	--	--
Kansas	17	3.55	13.3	884	0.30	4.9	0	--	--
Minnesota	0	--	--	990	0.32	6.1	0	--	--
Missouri	50	2.84	8.7	3,048	0.23	4.8	0	--	--
Nebraska	0	--	--	968	0.31	5.3	0	--	--
North Dakota	0	--	--	0	--	--	1,968	0.80	9.4
South Dakota	0	--	--	132	0.35	5.5	0	--	--
South Atlantic	4,887	2.35	9.9	632	0.32	4.9	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	764	2.73	8.1	0	--	--	0	--	--
Georgia	458	2.53	8.3	618	0.32	4.9	0	--	--
Maryland	331	2.32	10.6	14	0.21	4.2	0	--	--
North Carolina	998	1.77	9.3	0	--	--	0	--	--
South Carolina	416	1.57	9.3	0	--	--	0	--	--
Virginia	337	1.19	15.4	0	--	--	0	--	--
West Virginia	1,584	2.92	10.5	0	--	--	0	--	--
East South Central	2,534	2.45	9.2	1,613	0.27	5.1	216	0.51	12.9
Alabama	510	1.02	9.9	768	0.30	5.1	0	--	--
Kentucky	1,534	3.02	9.2	629	0.24	5.1	0	--	--
Mississippi	25	0.48	7.0	112	0.23	5.2	216	0.51	12.9
Tennessee	465	2.25	8.6	105	0.28	5.0	0	--	--
West South Central	68	2.59	9.6	6,194	0.26	5.1	1,596	1.14	16.5
Arkansas	9	0.37	10.8	1,403	0.22	5.0	0	--	--
Louisiana	58	2.96	9.0	543	0.28	5.2	34	0.60	18.4
Oklahoma	1	1.18	28.9	874	0.24	4.7	0	--	--
Texas	0	--	--	3,374	0.28	5.3	1,562	1.15	16.4
Mountain	1,606	0.58	12.6	4,511	0.49	7.6	23	0.65	9.7
Arizona	546	0.62	10.7	769	0.56	9.3	0	--	--
Colorado	53	0.45	10.7	1,163	0.30	5.9	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	695	0.70	9.9	23	0.65	9.7
Nevada	0	--	--	31	0.28	4.8	0	--	--
New Mexico	240	0.70	21.2	56	1.02	16.4	0	--	--
Utah	767	0.52	11.7	51	0.88	9.4	0	--	--
Wyoming	0	--	--	1,745	0.48	6.9	0	--	--
Pacific Contiguous	22	0.51	10.9	172	0.33	9.0	0	--	--
California	22	0.51	10.9	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	172	0.33	9.0	0	--	--
Pacific Noncontiguous	0	--	--	61	0.25	5.5	9	0.13	7.7
Alaska	0	--	--	0	--	--	9	0.13	7.7
Hawaii	0	--	--	61	0.25	5.5	0	--	--
U.S. Total	15,231	2.48	10.1	25,185	0.30	5.5	3,811	0.92	12.5

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 2017 and 2018 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 2018

	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	2,953	2.92	8.4	2,854	0.23	5.0	0	--	--
Illinois	165	3.31	9.2	421	0.23	4.8	0	--	--
Indiana	2,146	2.81	8.3	138	0.25	4.6	0	--	--
Michigan	140	2.59	7.8	1,000	0.23	5.1	0	--	--
Ohio	487	3.35	8.8	0	--	--	0	--	--
Wisconsin	16	2.40	7.6	1,296	0.23	5.0	0	--	--
West North Central	65	3.01	9.9	6,807	0.27	5.1	1,968	0.80	9.4
Iowa	0	--	--	850	0.24	5.0	0	--	--
Kansas	17	3.55	13.3	884	0.30	4.9	0	--	--
Minnesota	0	--	--	990	0.32	6.1	0	--	--
Missouri	48	2.83	8.7	3,048	0.23	4.8	0	--	--
Nebraska	0	--	--	903	0.31	5.4	0	--	--
North Dakota	0	--	--	0	--	--	1,968	0.80	9.4
South Dakota	0	--	--	132	0.35	5.5	0	--	--
South Atlantic	4,153	2.37	9.7	618	0.32	4.9	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	756	2.75	8.1	0	--	--	0	--	--
Georgia	437	2.61	8.2	618	0.32	4.9	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	970	1.81	9.4	0	--	--	0	--	--
South Carolina	416	1.57	9.3	0	--	--	0	--	--
Virginia	257	1.32	17.7	0	--	--	0	--	--
West Virginia	1,317	2.91	10.0	0	--	--	0	--	--
East South Central	2,448	2.51	9.2	1,613	0.27	5.1	0	--	--
Alabama	510	1.02	9.9	768	0.30	5.1	0	--	--
Kentucky	1,534	3.02	9.2	629	0.24	5.1	0	--	--
Mississippi	25	0.48	7.0	112	0.23	5.2	0	--	--
Tennessee	380	2.57	8.7	105	0.28	5.0	0	--	--
West South Central	58	2.96	9.0	3,859	0.24	4.9	559	1.68	20.1
Arkansas	0	--	--	1,155	0.22	4.8	0	--	--
Louisiana	58	2.96	9.0	264	0.26	5.3	34	0.60	18.4
Oklahoma	0	--	--	802	0.24	4.7	0	--	--
Texas	0	--	--	1,638	0.26	5.1	525	1.76	20.2
Mountain	1,606	0.58	12.6	3,745	0.45	7.3	23	0.65	9.7
Arizona	546	0.62	10.7	769	0.56	9.3	0	--	--
Colorado	53	0.45	10.7	1,163	0.30	5.9	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	23	0.65	9.7
Nevada	0	--	--	0	--	--	0	--	--
New Mexico	240	0.70	21.2	56	1.02	16.4	0	--	--
Utah	767	0.52	11.7	51	0.88	9.4	0	--	--
Wyoming	0	--	--	1,705	0.48	6.9	0	--	--
Pacific Contiguous	0	--	--	0	--	--	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	9	0.13	7.7
Alaska	0	--	--	0	--	--	9	0.13	7.7
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	11,285	2.31	9.6	19,497	0.29	5.5	2,559	0.97	11.6

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 2017 and 2018 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 2018

	Bituminous			Subbituminous			Lignite		
Census Division and State	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	8	0.77	7.2	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	8	0.77	7.2	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	1,238	2.80	8.5	0	--	--	0	--	--
New Jersey	56	1.57	6.4	0	--	--	0	--	--
New York	54	2.84	9.2	0	--	--	0	--	--
Pennsylvania	1,127	2.86	8.5	0	--	--	0	--	--
East North Central	1,710	3.59	14.1	2,067	0.20	4.7	0	--	--
Illinois	532	3.79	28.9	2,067	0.20	4.7	0	--	--
Indiana	151	3.33	9.4	0	--	--	0	--	--
Michigan	0	--	--	0	--	--	0	--	--
Ohio	1,027	3.55	9.5	0	--	--	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	0	--	--	0	--	--	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	0	--	--	0	--	--	0	--	--
Nebraska	0	--	--	0	--	--	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	629	2.47	11.4	14	0.21	4.2	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	311	2.34	10.1	14	0.21	4.2	0	--	--
North Carolina	6	0.61	6.2	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	45	0.87	10.2	0	--	--	0	--	--
West Virginia	266	2.97	13.4	0	--	--	0	--	--
East South Central	0	--	--	0	--	--	216	0.51	12.9
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	216	0.51	12.9
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	1	1.18	28.9	2,304	0.29	5.4	1,037	0.88	14.8
Arkansas	0	--	--	247	0.23	5.6	0	--	--
Louisiana	0	--	--	279	0.31	5.1	0	--	--
Oklahoma	1	1.18	28.9	42	0.22	5.6	0	--	--
Texas	0	--	--	1,736	0.30	5.4	1,037	0.88	14.8
Mountain	0	--	--	765	0.68	9.5	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	695	0.70	9.9	0	--	--
Nevada	0	--	--	31	0.28	4.8	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	40	0.52	6.9	0	--	--
Pacific Contiguous	0	--	--	172	0.33	9.0	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	172	0.33	9.0	0	--	--
Pacific Noncontiguous	0	--	--	61	0.25	5.5	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	61	0.25	5.5	0	--	--
U.S. Total	3,586	3.08	11.5	5,385	0.31	5.8	1,252	0.83	14.5

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 2017 and 2018 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 2018

	Bituminous			Subbituminous			Lignite		
Census Division and State	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	0	--	--	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	0	--	--	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	0	--	--	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	0	--	--	0	--	--	0	--	--
East North Central	0	--	--	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	1	3.19	8.9	0	--	--	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	1	3.19	8.9	0	--	--	0	--	--
Nebraska	0	--	--	0	--	--	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	0	--	--	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	0	--	--	0	--	--	0	--	--
West Virginia	0	--	--	0	--	--	0	--	--
East South Central	0	--	--	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	0	--	--	0	--	--	0	--	--
Arkansas	0	--	--	0	--	--	0	--	--
Louisiana	0	--	--	0	--	--	0	--	--
Oklahoma	0	--	--	0	--	--	0	--	--
Texas	0	--	--	0	--	--	0	--	--
Mountain	0	--	--	0	--	--	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	0	--	--	0	--	--	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	0	--	--	0	--	--	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	1	3.19	8.9	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 2017 and 2018 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 2018

	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	11	2.68	7.4	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	11	2.68	7.4	0	--	--	0	--	--
East North Central	106	3.68	8.3	62	0.80	6.5	0	--	--
Illinois	106	3.68	8.3	62	0.80	6.5	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	0	--	--	0	--	--	0	--	--
Ohio	0	--	--	0	--	--	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	21	3.55	8.0	211	0.21	4.5	0	--	--
Iowa	21	3.55	8.0	146	0.21	4.5	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	0	--	--	0	--	--	0	--	--
Nebraska	0	--	--	65	0.21	4.4	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	105	0.97	10.0	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	8	0.71	7.3	0	--	--	0	--	--
Georgia	21	0.81	10.9	0	--	--	0	--	--
Maryland	20	2.03	20.5	0	--	--	0	--	--
North Carolina	21	0.82	6.9	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	35	0.74	7.2	0	--	--	0	--	--
West Virginia	0	--	--	0	--	--	0	--	--
East South Central	85	0.92	8.6	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	85	0.92	8.6	0	--	--	0	--	--
West South Central	9	0.37	10.8	30	0.19	4.5	0	--	--
Arkansas	9	0.37	10.8	0	--	--	0	--	--
Louisiana	0	--	--	0	--	--	0	--	--
Oklahoma	0	--	--	30	0.19	4.5	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	22	0.51	10.9	0	--	--	0	--	--
California	22	0.51	10.9	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	359	1.84	9.1	303	0.33	4.9	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 2017 and 2018 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, 2008 - February 2018 (Thousand Megawatthours)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	1,404,096	1,360,752	986,508	7,637	3,758,992
2016	1,411,058	1,367,191	976,715	7,497	3,762,462
2017	1,378,819	1,349,208	946,443	7,524	3,681,995
Year 2016					
January	130,972	110,410	78,848	660	320,890
February	115,959	103,452	76,748	646	296,806
March	100,227	105,739	79,237	609	285,812
April	88,244	102,045	78,647	595	269,531
May	94,198	108,437	81,491	581	284,708
June	125,211	120,363	83,672	631	329,878
July	154,409	130,038	87,076	648	372,172
August	156,442	135,019	89,101	631	381,192
Sept	129,363	123,493	83,259	637	336,752
October	101,508	112,963	81,597	613	296,681
November	93,244	105,060	78,421	592	277,317
December	121,281	110,172	78,616	653	310,722
Year 2017					
January	129,253	109,414	75,814	666	315,148
February	101,349	99,607	71,958	636	273,550
March	103,434	107,171	77,587	644	288,836
April	90,966	101,796	75,917	590	269,269
May	98,977	109,912	80,147	583	289,619
June	122,034	119,289	82,224	629	324,176
July	149,075	128,324	84,240	630	362,268
August	142,026	128,144	85,905	641	356,716
Sept	119,077	118,836	80,260	619	318,793
October	102,983	113,036	79,471	626	296,116
November	97,870	104,959	76,195	598	279,622
December	121,775	108,720	76,724	663	307,882
Year 2018					
January	148,985	114,531	75,948	748	340,212
February	113,334	101,791	71,996	638	287,759
Year to Date					
2016	246,931	213,862	155,596	1,306	617,696
2017	230,602	209,020	147,773	1,303	588,698
2018	262,319	216,322	147,944	1,386	627,971
Rolling 12 Months Ending in February					
2017	1,394,729	1,362,349	968,892	7,493	3,733,464
2018	1,410,536	1,356,510	946,614	7,608	3,721,268

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 2016 and prior years are final. Values for 2018 and 2017 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-861M (formerly EIA-826), Monthly Electric Industry Power Report.
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, 2008 - February 2018 (Million Dollars)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	177,624	144,781	68,166	771	391,341
2016	177,077	142,643	66,068	722	386,509
2017	177,860	144,108	65,394	727	388,089
Year 2016					
January	15,704	11,133	5,080	63	31,980
February	14,076	10,605	4,927	62	29,670
March	12,593	10,815	5,122	58	28,587
April	10,967	10,398	5,065	57	26,486
May	12,048	11,184	5,357	54	28,643
June	15,942	12,828	5,879	62	34,710
July	19,575	13,891	6,294	64	39,823
August	20,157	14,530	6,440	63	41,191
Sept	16,652	13,298	5,947	64	35,961
October	12,648	11,914	5,491	59	30,111
November	11,886	10,840	5,225	55	28,007
December	14,830	11,206	5,242	62	31,339
Year 2017					
January	15,783	11,190	4,988	62	32,023
February	12,952	10,439	4,763	60	28,215
March	13,332	11,224	5,224	61	29,841
April	11,542	10,584	5,021	56	27,203
May	12,879	11,633	5,459	56	30,027
June	16,123	13,120	5,937	64	35,243
July	19,547	14,108	6,194	64	39,912
August	18,727	14,153	6,231	64	39,175
Sept	15,838	13,150	5,795	62	34,844
October	13,220	12,231	5,525	60	31,036
November	12,691	11,054	5,171	57	28,974
December	15,226	11,222	5,084	62	31,594
Year 2018					
January	18,217	11,995	5,290	71	35,573
February	14,303	10,793	4,863	62	30,021
Year to Date					
2016	29,780	21,738	10,007	125	61,650
2017	28,735	21,629	9,752	123	60,238
2018	32,520	22,788	10,153	133	65,594
Rolling 12 Months Ending in February					
2017	176,032	142,533	65,813	720	385,097
2018	181,645	145,267	65,795	738	393,445

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 2016 and prior years are final. Values for 2018 and 2017 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-861M (formerly EIA-826), Monthly Electric Industry Power Report.
Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).

Table 5.3. Average Price of Electricity to Ultimate Customers:
Total by End-Use Sector, 2008 - February 2018 (Cents per Kilowatthour)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	12.65	10.64	6.91	10.09	10.41
2016	12.55	10.43	6.76	9.63	10.27
2017	12.90	10.68	6.91	9.67	10.54
Year 2016					
January	11.99	10.08	6.44	9.52	9.97
February	12.14	10.25	6.42	9.61	10.00
March	12.56	10.23	6.46	9.56	10.00
April	12.43	10.19	6.44	9.53	9.83
May	12.79	10.31	6.57	9.28	10.06
June	12.73	10.66	7.03	9.75	10.52
July	12.68	10.68	7.23	9.84	10.70
August	12.88	10.76	7.23	10.04	10.81
Sept	12.87	10.77	7.14	10.00	10.68
October	12.46	10.55	6.73	9.62	10.15
November	12.75	10.32	6.66	9.22	10.10
December	12.23	10.17	6.67	9.49	10.09
Year 2017					
January	12.21	10.23	6.58	9.38	10.16
February	12.78	10.48	6.62	9.47	10.31
March	12.89	10.47	6.73	9.47	10.33
April	12.69	10.40	6.61	9.44	10.10
May	13.01	10.58	6.81	9.58	10.37
June	13.21	11.00	7.22	10.14	10.87
July	13.11	10.99	7.35	10.11	11.02
August	13.19	11.04	7.25	10.05	10.98
Sept	13.30	11.07	7.22	9.99	10.93
October	12.84	10.82	6.95	9.55	10.48
November	12.97	10.53	6.79	9.49	10.36
December	12.50	10.32	6.63	9.32	10.26
Year 2018					
January	12.23	10.47	6.97	9.46	10.46
February	12.62	10.60	6.75	9.74	10.43
Year to Date					
2016	12.06	10.16	6.43	9.57	9.98
2017	12.46	10.35	6.60	9.42	10.23
2018	12.40	10.53	6.86	9.59	10.45
Rolling 12 Months Ending in February					
2017	12.62	10.46	6.79	9.60	10.31
2018	12.88	10.71	6.95	9.69	10.57

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 2016 and prior years are final. Values for 2018 and 2017 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-861M (formerly EIA-826), Monthly Electric Industry Power Report.
Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).

Table 5.4.A. Sales of Electricity to Ultimate Customers by End-Use Sector, by State, February 2018 and 2017 (Thousand Megawatthours)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	3,793	4,008	4,055	4,397	1,232	1,310	46	51	9,126	9,766
Connecticut	965	1,039	946	942	254	240	14	18	2,179	2,239
Maine	413	390	311	290	204	191	0	0	928	872
Massachusetts	1,627	1,798	2,025	2,402	462	561	29	30	4,143	4,791
New Hampshire	371	377	343	340	154	150	0	0	868	867
Rhode Island	234	231	274	266	50	56	2	2	560	555
Vermont	183	173	157	156	109	113	0	0	449	442
Middle Atlantic	10,931	10,278	12,555	12,466	5,903	5,717	323	334	29,712	28,796
New Jersey	2,010	1,915	2,987	2,886	577	593	28	26	5,601	5,420
New York	4,097	3,870	6,104	6,212	1,392	1,287	238	241	11,832	11,609
Pennsylvania	4,824	4,494	3,465	3,368	3,933	3,838	57	67	12,279	11,767
East North Central	15,364	13,672	14,060	13,706	14,387	14,095	64	49	43,873	41,522
Illinois	3,639	3,186	3,872	3,841	3,329	3,118	57	43	10,898	10,188
Indiana	2,874	2,376	1,852	1,723	3,154	3,113	2	2	7,881	7,214
Michigan	2,623	2,504	2,911	2,873	2,430	2,340	1	0	7,964	7,717
Ohio	4,391	3,880	3,524	3,430	3,649	3,688	4	4	11,569	11,002
Wisconsin	1,838	1,726	1,901	1,838	1,823	1,836	0	0	5,562	5,401
West North Central	9,376	8,089	8,140	7,675	6,738	6,584	5	4	24,260	22,352
Iowa	1,261	1,151	998	964	1,798	1,684	0	0	4,058	3,799
Kansas	989	826	1,180	1,093	871	836	0	0	3,039	2,755
Minnesota	1,945	1,833	1,789	1,746	1,590	1,576	3	2	5,327	5,157
Missouri	3,154	2,530	2,405	2,212	868	886	2	2	6,429	5,630
Nebraska	964	818	778	740	748	785	0	0	2,490	2,342
North Dakota	567	484	580	526	650	606	0	0	1,797	1,616
South Dakota	496	447	410	394	213	212	0	0	1,119	1,053
South Atlantic	27,488	24,040	22,526	22,165	10,285	10,276	107	106	60,406	56,587
Delaware	422	380	320	305	152	159	0	0	894	845
District of Columbia	198	180	587	582	14	12	28	26	827	801
Florida	8,601	7,519	6,739	6,634	1,214	1,228	6	7	16,561	15,388
Georgia	4,268	3,706	3,409	3,253	2,413	2,326	15	15	10,105	9,299
Maryland	2,288	2,092	2,149	2,162	252	268	43	44	4,732	4,565
North Carolina	4,648	3,968	3,573	3,359	1,930	1,994	0	0	10,151	9,321
South Carolina	2,256	1,927	1,475	1,457	2,022	2,049	0	0	5,753	5,433
Virginia	3,808	3,409	3,696	3,855	1,225	1,236	14	15	8,744	8,515
West Virginia	999	858	578	557	1,063	1,005	0	0	2,640	2,420
East South Central	10,368	8,501	6,980	6,454	7,397	7,609	0	0	24,744	22,564
Alabama	2,370	2,061	1,619	1,571	2,582	2,512	0	0	6,571	6,145
Kentucky	2,285	1,939	1,452	1,389	2,123	2,130	0	0	5,861	5,457
Mississippi	1,614	1,251	1,036	982	1,297	1,281	0	0	3,947	3,514
Tennessee	4,098	3,249	2,873	2,512	1,394	1,686	0	0	8,365	7,448
West South Central	17,556	13,507	13,939	13,146	13,561	13,901	16	15	45,071	40,570
Arkansas	1,730	1,319	899	838	1,342	1,302	0	0	3,971	3,459
Louisiana	2,527	1,931	1,858	1,740	2,696	2,686	1	1	7,081	6,358
Oklahoma	1,859	1,407	1,499	1,345	1,386	1,335	0	0	4,743	4,087
Texas	11,441	8,850	9,682	9,223	8,137	8,578	15	14	29,275	26,665
Mountain	6,817	6,681	7,136	6,961	5,917	5,980	13	11	19,883	19,634
Arizona	1,897	1,850	1,984	1,983	977	1,008	1	1	4,859	4,841
Colorado	1,457	1,388	1,540	1,514	1,183	1,153	7	5	4,187	4,061
Idaho	772	791	512	502	460	460	0	0	1,744	1,753
Montana	511	525	440	430	356	349	0	0	1,307	1,304
Nevada	740	697	806	757	887	963	1	1	2,433	2,417
New Mexico	514	508	657	629	572	536	0	0	1,742	1,673
Utah	659	648	891	843	668	693	4	5	2,223	2,188
Wyoming	267	273	307	303	814	818	0	0	1,388	1,395
Pacific Contiguous	11,252	12,193	11,937	12,168	6,200	6,108	66	65	29,454	30,535
California	5,945	6,579	8,057	8,299	3,401	3,306	63	63	17,466	18,247
Oregon	1,796	1,851	1,384	1,316	920	890	2	2	4,102	4,060
Washington	3,511	3,763	2,496	2,553	1,878	1,912	1	0	7,886	8,228
Pacific Noncontiguous	390	381	463	467	377	378	0	0	1,230	1,226
Alaska	195	195	237	243	119	116	0	0	552	555
Hawaii	194	185	225	224	258	262	0	0	678	671
U.S. Total	113,334	101,349	101,791	99,607	71,996	71,958	638	636	287,759	273,550

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-861M (formerly EIA-826), Monthly Electric Power Industry Report.

Table 5.4.B. Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through February 2018 and 2017 (Thousand Megawatthours)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
New England	8,904	8,710	8,639	9,300	2,543	2,695	100	99	20,186	20,804
Connecticut	2,378	2,266	1,991	1,990	474	485	31	31	4,874	4,772
Maine	884	868	666	659	430	415	0	0	1,980	1,942
Massachusetts	3,839	3,865	4,325	5,034	984	1,131	64	63	9,213	10,094
New Hampshire	871	833	722	733	308	313	0	0	1,901	1,878
Rhode Island	508	496	609	564	121	120	5	5	1,242	1,184
Vermont	423	382	327	321	227	231	0	0	976	934
Middle Atlantic	24,668	22,510	26,215	25,681	11,839	11,500	763	688	63,485	60,379
New Jersey	4,587	4,266	6,255	6,045	1,156	1,137	58	52	12,056	11,500
New York	8,933	8,308	12,571	12,532	2,809	2,603	580	485	24,893	23,927
Pennsylvania	11,149	9,936	7,388	7,104	7,874	7,760	126	151	26,536	24,951
East North Central	34,967	31,410	30,063	29,091	29,379	29,043	115	103	94,523	89,647
Illinois	8,161	7,340	8,364	8,131	6,819	6,594	101	90	23,445	22,155
Indiana	6,540	5,574	3,933	3,722	6,431	6,409	4	3	16,908	15,709
Michigan	6,006	5,717	6,191	6,124	4,765	4,658	1	1	16,963	16,500
Ohio	10,199	8,891	7,591	7,247	7,574	7,622	9	9	25,373	23,768
Wisconsin	4,061	3,889	3,982	3,866	3,790	3,760	0	0	11,833	11,515
West North Central	20,964	18,873	17,081	16,340	13,791	13,417	10	9	51,846	48,640
Iowa	2,868	2,671	2,105	2,029	3,631	3,444	0	0	8,603	8,144
Kansas	2,347	2,051	2,448	2,307	1,761	1,710	0	0	6,556	6,069
Minnesota	4,247	4,130	3,806	3,753	3,292	3,237	6	5	11,351	11,125
Missouri	7,182	5,989	5,071	4,730	1,785	1,805	5	5	14,043	12,530
Nebraska	2,090	1,923	1,596	1,552	1,551	1,560	0	0	5,238	5,034
North Dakota	1,190	1,106	1,196	1,127	1,336	1,225	0	0	3,723	3,458
South Dakota	1,040	1,003	858	843	435	435	0	0	2,332	2,280
South Atlantic	66,986	54,803	48,284	46,235	21,353	21,132	207	214	136,830	122,385
Delaware	971	836	685	653	309	322	0	0	1,965	1,811
District of Columbia	457	402	1,285	1,248	27	25	49	51	1,818	1,726
Florida	18,961	16,315	13,905	13,693	2,522	2,548	12	14	35,401	32,571
Georgia	10,759	8,472	7,423	6,903	4,951	4,885	30	29	23,164	20,290
Maryland	5,518	4,695	4,789	4,567	545	565	86	88	10,938	9,915
North Carolina	11,931	9,332	7,622	7,131	3,967	4,018	1	1	23,520	20,481
South Carolina	6,053	4,557	3,335	3,122	4,185	4,188	0	0	13,573	11,867
Virginia	9,793	8,113	7,952	7,719	2,605	2,520	29	30	20,379	18,382
West Virginia	2,542	2,081	1,288	1,199	2,241	2,062	0	0	6,071	5,341
East South Central	24,743	19,333	14,842	13,544	15,307	15,752	0	0	54,893	48,629
Alabama	6,165	4,756	3,603	3,337	5,377	5,254	0	0	15,144	13,347
Kentucky	5,560	4,511	3,131	2,946	4,398	4,386	0	0	13,089	11,843
Mississippi	3,740	2,836	2,152	2,050	2,674	2,634	0	0	8,566	7,520
Tennessee	9,278	7,229	5,957	5,211	2,860	3,478	0	0	18,094	15,918
West South Central	40,749	31,638	30,230	27,851	27,913	28,540	32	31	98,924	88,059
Arkansas	3,846	3,058	1,868	1,767	2,712	2,591	0	0	8,426	7,417
Louisiana	5,848	4,448	3,888	3,654	5,574	5,527	2	2	15,311	13,631
Oklahoma	4,430	3,525	3,089	2,828	2,825	2,686	0	0	10,345	9,039
Texas	26,625	20,607	21,385	19,601	16,802	17,736	30	29	64,842	57,973
Mountain	14,697	15,302	14,781	14,609	12,398	12,431	26	24	41,902	42,366
Arizona	4,067	4,240	4,127	4,122	2,121	2,129	1	1	10,316	10,493
Colorado	3,124	3,143	3,227	3,203	2,453	2,337	15	11	8,819	8,695
Idaho	1,652	1,886	1,064	1,090	991	992	0	0	3,707	3,967
Montana	1,112	1,194	876	894	702	706	0	0	2,690	2,794
Nevada	1,577	1,615	1,646	1,546	1,839	1,948	1	1	5,064	5,110
New Mexico	1,137	1,125	1,368	1,319	1,173	1,131	0	0	3,678	3,575
Utah	1,447	1,482	1,830	1,784	1,426	1,478	9	10	4,711	4,755
Wyoming	581	617	643	650	1,692	1,710	0	0	2,916	2,977
Pacific Contiguous	24,815	27,186	25,235	25,412	12,650	12,483	133	135	62,834	65,215
California	13,293	14,447	17,350	17,306	6,955	6,798	128	129	37,726	38,680
Oregon	3,875	4,369	2,723	2,762	1,803	1,795	4	5	8,405	8,930
Washington	7,647	8,370	5,163	5,343	3,892	3,891	1	1	16,703	17,605
Pacific Noncontiguous	826	838	952	958	771	778	0	0	2,549	2,575
Alaska	410	431	487	500	234	231	0	0	1,130	1,163
Hawaii	416	407	465	458	537	547	0	0	1,419	1,412
U.S. Total	262,319	230,602	216,322	209,020	147,944	147,773	1,386	1,303	627,971	588,698

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-861M (formerly EIA-826), Monthly Electric Power Industry Report.

Table 5.5.A. Revenue from Sales of Electricity to Ultimate Customers by End-Use Sector, by State, February 2018 and 2017 (Million Dollars)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	794	754	691	654	169	161	5	5	1,660	1,574
Connecticut	208	207	162	150	36	32	2	2	408	390
Maine	67	63	41	37	20	18	0	0	128	117
Massachusetts	362	338	358	351	71	73	3	3	793	765
New Hampshire	74	71	58	51	22	19	0	0	154	141
Rhode Island	51	46	48	43	8	8	0	0	108	97
Vermont	33	30	24	23	12	11	0	0	68	64
Middle Atlantic	1,737	1,619	1,529	1,494	437	386	36	36	3,739	3,535
New Jersey	319	300	373	347	62	58	2	2	756	707
New York	745	677	829	834	92	64	30	29	1,696	1,603
Pennsylvania	673	642	326	313	282	264	4	5	1,286	1,225
East North Central	1,986	1,773	1,427	1,374	1,015	988	4	3	4,432	4,138
Illinois	445	389	330	326	215	196	3	3	993	914
Indiana	331	280	191	179	225	231	0	0	747	690
Michigan	410	386	335	323	181	171	0	0	925	880
Ohio	538	471	364	343	252	248	0	0	1,154	1,063
Wisconsin	263	247	208	203	142	141	0	0	613	591
West North Central	1,025	897	752	721	481	451	0	0	2,258	2,069
Iowa	147	128	93	84	109	93	0	0	349	305
Kansas	127	107	122	112	68	60	0	0	317	278
Minnesota	244	235	179	193	123	120	0	0	546	549
Missouri	308	252	204	185	56	56	0	0	569	493
Nebraska	93	81	65	63	53	54	0	0	211	198
North Dakota	52	46	50	47	56	52	0	0	158	145
South Dakota	53	48	38	36	17	16	0	0	108	100
South Atlantic	3,225	2,856	2,158	2,107	628	649	8	8	6,019	5,621
Delaware	53	51	32	32	13	12	0	0	98	95
District of Columbia	27	23	72	68	1	1	2	2	102	95
Florida	1,045	888	677	647	97	98	1	1	1,819	1,634
Georgia	462	428	320	325	123	129	1	1	906	882
Maryland	307	300	238	248	22	23	3	3	571	574
North Carolina	532	442	326	291	124	116	0	0	983	849
South Carolina	249	248	121	156	92	120	0	0	462	524
Virginia	437	377	313	285	84	81	1	1	836	745
West Virginia	114	99	58	55	72	69	0	0	243	223
East South Central	1,133	953	737	689	423	452	0	0	2,293	2,093
Alabama	291	266	183	188	144	150	0	0	618	604
Kentucky	237	205	143	136	118	120	0	0	498	461
Mississippi	182	140	113	102	79	79	0	0	374	321
Tennessee	423	342	299	263	81	103	0	0	803	708
West South Central	1,846	1,472	1,185	1,125	728	733	1	1	3,761	3,332
Arkansas	170	129	78	69	78	71	0	0	326	269
Louisiana	226	184	166	161	137	144	0	0	529	489
Oklahoma	183	155	115	106	70	66	0	0	369	328
Texas	1,268	1,004	826	789	442	452	1	1	2,537	2,245
Mountain	788	760	668	641	365	364	1	1	1,822	1,766
Arizona	231	216	203	193	60	59	0	0	495	468
Colorado	171	165	148	143	83	82	1	1	403	391
Idaho	78	76	41	38	28	27	0	0	146	142
Montana	55	56	44	43	17	17	0	0	116	116
Nevada	93	83	66	60	48	48	0	0	206	192
New Mexico	63	65	63	64	32	33	0	0	158	162
Utah	69	69	73	70	42	39	0	1	184	179
Wyoming	29	29	29	29	56	58	0	0	114	117
Pacific Contiguous	1,666	1,773	1,537	1,529	532	500	6	5	3,741	3,807
California	1,138	1,229	1,195	1,199	389	359	6	5	2,728	2,792
Oregon	193	195	121	115	55	54	0	0	369	364
Washington	335	349	221	215	88	88	0	0	643	651
Pacific Noncontiguous	102	95	109	105	85	79	0	0	297	279
Alaska	41	40	44	46	20	19	0	0	106	105
Hawaii	61	55	65	60	65	60	0	0	191	174
U.S. Total	14,303	12,952	10,793	10,439	4,863	4,763	62	60	30,021	28,215

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-861M (formerly EIA-826), Monthly Electric Power Industry Report.

Table 5.5.B. Revenue from Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through February 2018 and 2017 (Million Dollars)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
New England	1,807	1,616	1,442	1,367	350	334	12	9	3,611	3,327
Connecticut	491	443	340	314	70	64	6	3	906	825
Maine	142	139	85	82	42	39	0	0	270	260
Massachusetts	818	718	743	729	150	150	6	5	1,717	1,602
New Hampshire	170	155	117	107	44	40	0	0	331	302
Rhode Island	112	96	107	89	20	17	1	1	239	203
Vermont	75	66	49	46	24	23	0	0	148	136
Middle Atlantic	3,861	3,510	3,217	3,085	890	794	79	73	8,047	7,461
New Jersey	719	673	770	724	125	114	5	5	1,619	1,515
New York	1,603	1,444	1,761	1,712	183	141	65	58	3,612	3,356
Pennsylvania	1,539	1,393	686	649	582	539	9	11	2,816	2,591
East North Central	4,472	3,974	3,034	2,871	2,113	2,028	8	7	9,627	8,879
Illinois	1,010	858	760	682	480	417	7	5	2,256	1,961
Indiana	738	641	401	381	462	473	0	0	1,601	1,495
Michigan	926	875	688	676	350	343	0	0	1,963	1,893
Ohio	1,224	1,050	753	712	528	508	1	1	2,506	2,271
Wisconsin	574	550	433	421	294	288	0	0	1,300	1,259
West North Central	2,240	2,026	1,555	1,488	970	917	1	1	4,766	4,432
Iowa	322	292	192	176	215	189	0	0	730	658
Kansas	291	253	250	230	134	125	0	0	676	608
Minnesota	530	514	375	385	250	243	1	0	1,156	1,143
Missouri	679	576	420	389	116	114	0	0	1,215	1,080
Nebraska	197	184	135	131	109	108	0	0	441	423
North Dakota	108	102	103	100	113	105	0	0	323	306
South Dakota	112	105	80	76	34	33	0	0	225	214
South Atlantic	7,728	6,357	4,658	4,365	1,403	1,332	16	17	13,804	12,071
Delaware	118	109	64	66	26	25	0	0	209	201
District of Columbia	58	51	156	144	2	2	4	5	220	201
Florida	2,291	1,899	1,389	1,314	204	200	1	1	3,886	3,415
Georgia	1,156	944	736	682	303	267	2	1	2,197	1,895
Maryland	726	671	524	514	50	48	6	7	1,306	1,241
North Carolina	1,279	1,004	671	607	251	240	0	0	2,201	1,851
South Carolina	723	567	329	325	241	245	0	0	1,294	1,136
Virginia	1,091	875	666	595	177	165	2	2	1,937	1,637
West Virginia	284	238	122	116	148	140	0	0	554	494
East South Central	2,633	2,125	1,544	1,432	886	928	0	0	5,063	4,485
Alabama	731	592	407	390	313	310	0	0	1,451	1,292
Kentucky	557	469	296	284	245	247	0	0	1,098	1,000
Mississippi	402	307	229	210	159	161	0	0	791	678
Tennessee	942	757	612	547	168	211	0	0	1,723	1,515
West South Central	4,207	3,299	2,531	2,333	1,526	1,492	3	3	8,267	7,127
Arkansas	368	289	160	144	161	144	0	0	688	576
Louisiana	515	376	348	307	284	259	0	0	1,147	943
Oklahoma	409	347	240	222	145	137	0	0	794	706
Texas	2,915	2,287	1,784	1,660	936	952	2	2	5,637	4,902
Mountain	1,694	1,710	1,362	1,327	756	749	2	2	3,814	3,788
Arizona	496	486	416	400	128	126	0	0	1,041	1,012
Colorado	363	367	303	298	174	163	1	1	842	830
Idaho	169	178	84	82	58	57	0	0	311	317
Montana	119	127	87	89	35	35	0	0	240	250
Nevada	196	189	133	122	98	97	0	0	427	408
New Mexico	137	139	131	129	66	66	0	0	334	334
Utah	150	159	147	146	83	86	1	1	382	391
Wyoming	63	66	60	61	114	119	0	0	237	245
Pacific Contiguous	3,661	3,911	3,219	3,148	1,086	1,016	12	11	7,978	8,087
California	2,521	2,680	2,528	2,459	799	732	11	11	5,859	5,881
Oregon	412	457	240	241	108	109	0	0	760	807
Washington	728	774	451	448	180	176	0	0	1,359	1,399
Pacific Noncontiguous	218	206	225	214	174	162	0	0	618	582
Alaska	88	89	91	93	40	39	0	0	219	220
Hawaii	130	117	134	121	134	123	0	0	399	362
U.S. Total	32,520	28,735	22,788	21,629	10,153	9,752	133	123	65,594	60,238

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
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See Technical Notes for a discussion of the sample design for the Form EIA-826.
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Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-861M (formerly EIA-826), Monthly Electric Power Industry Report.

Table 5.6.A. Average Price of Electricity to Ultimate Customers by End-Use Sector, by State, February 2018 and 2017 (Cents per Kilowatthour)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	20.94	18.81	17.04	14.88	13.74	12.30	10.98	9.60	18.18	16.12
Connecticut	21.59	19.91	17.13	15.95	14.03	13.15	14.43	10.40	18.73	17.44
Maine	16.22	16.02	13.12	12.59	10.01	9.36	--	--	13.81	13.42
Massachusetts	22.23	18.77	17.67	14.63	15.34	13.05	8.86	8.35	19.14	15.96
New Hampshire	19.84	18.87	16.96	14.90	14.58	12.54	--	--	17.77	16.22
Rhode Island	21.66	19.77	17.68	16.02	16.63	14.83	16.35	19.35	19.25	17.47
Vermont	18.03	17.51	15.05	14.54	10.73	10.10	--	--	15.22	14.57
Middle Atlantic	15.89	15.75	12.18	11.99	7.40	6.75	11.30	10.79	12.58	12.28
New Jersey	15.87	15.69	12.49	12.01	10.73	9.73	8.91	8.70	13.50	13.05
New York	18.19	17.48	13.58	13.43	6.64	4.96	12.47	11.92	14.34	13.81
Pennsylvania	13.95	14.29	9.42	9.30	7.17	6.89	7.56	7.54	10.47	10.41
East North Central	12.93	12.97	10.15	10.03	7.05	7.01	6.15	6.30	10.10	9.97
Illinois	12.23	12.21	8.51	8.50	6.45	6.30	5.89	5.96	9.11	8.98
Indiana	11.52	11.78	10.32	10.38	7.13	7.41	10.98	11.77	9.48	9.56
Michigan	15.62	15.41	11.50	11.24	7.43	7.33	11.18	12.33	11.61	11.41
Ohio	12.25	12.15	10.32	9.99	6.91	6.74	6.92	7.30	9.98	9.66
Wisconsin	14.29	14.33	10.95	11.04	7.80	7.66	12.94	14.00	11.02	10.94
West North Central	10.93	11.09	9.24	9.39	7.14	6.85	8.35	8.19	9.31	9.26
Iowa	11.65	11.16	9.33	8.70	6.04	5.50	--	--	8.59	8.03
Kansas	12.87	12.93	10.37	10.22	7.77	7.15	--	--	10.44	10.10
Minnesota	12.56	12.83	10.01	11.06	7.70	7.64	9.50	9.64	10.25	10.65
Missouri	9.78	9.96	8.48	8.38	6.50	6.30	7.02	6.76	8.85	8.76
Nebraska	9.61	9.96	8.41	8.52	7.06	6.88	--	--	8.47	8.47
North Dakota	9.15	9.46	8.59	8.98	8.64	8.63	--	--	8.79	9.00
South Dakota	10.76	10.68	9.32	9.14	7.79	7.62	--	--	9.66	9.49
South Atlantic	11.73	11.88	9.58	9.51	6.11	6.32	7.38	7.73	9.96	9.93
Delaware	12.60	13.37	10.09	10.55	8.36	7.66	--	--	10.98	11.28
District of Columbia	13.38	12.83	12.35	11.73	8.39	8.24	8.13	9.36	12.39	11.85
Florida	12.14	11.81	10.05	9.76	7.95	7.99	8.40	8.56	10.98	10.62
Georgia	10.83	11.54	9.38	9.99	5.09	5.54	5.10	4.48	8.96	9.49
Maryland	13.43	14.36	11.08	11.45	8.88	8.48	7.19	7.76	12.06	12.57
North Carolina	11.44	11.14	9.14	8.65	6.45	5.84	8.86	8.62	9.68	9.11
South Carolina	11.04	12.86	8.22	10.70	4.55	5.86	--	--	8.04	9.64
Virginia	11.47	11.07	8.48	7.40	6.89	6.55	8.44	7.57	9.56	8.75
West Virginia	11.38	11.58	9.96	9.87	6.74	6.86	--	--	9.20	9.23
East South Central	10.93	11.21	10.56	10.67	5.71	5.93	--	--	9.27	9.28
Alabama	12.29	12.90	11.27	11.94	5.57	5.97	--	--	9.40	9.82
Kentucky	10.36	10.59	9.86	9.78	5.56	5.63	--	--	8.50	8.45
Mississippi	11.26	11.19	10.90	10.41	6.12	6.17	--	--	9.48	9.14
Tennessee	10.33	10.52	10.39	10.47	5.85	6.09	--	--	9.60	9.50
West South Central	10.51	10.90	8.50	8.56	5.37	5.27	8.44	8.54	8.34	8.21
Arkansas	9.80	9.80	8.63	8.25	5.84	5.44	11.66	13.49	8.20	7.78
Louisiana	8.94	9.52	8.95	9.23	5.08	5.38	9.73	10.08	7.47	7.69
Oklahoma	9.85	11.01	7.69	7.91	5.07	4.98	--	--	7.77	8.02
Texas	11.08	11.34	8.53	8.55	5.44	5.26	8.34	8.41	8.67	8.42
Mountain	11.56	11.37	9.36	9.21	6.18	6.09	9.69	9.89	9.17	9.00
Arizona	12.20	11.66	10.25	9.75	6.18	5.87	8.92	8.58	10.19	9.67
Colorado	11.73	11.88	9.64	9.47	6.99	7.09	9.28	10.18	9.62	9.62
Idaho	10.10	9.66	7.93	7.64	6.03	5.85	--	--	8.39	8.08
Montana	10.70	10.61	9.96	9.96	4.81	4.97	--	--	8.84	8.89
Nevada	12.50	11.91	8.15	7.95	5.39	5.02	8.11	7.97	8.47	7.92
New Mexico	12.21	12.84	9.65	10.13	5.64	6.18	--	--	9.09	9.69
Utah	10.41	10.70	8.24	8.33	6.23	5.67	10.72	9.95	8.29	8.19
Wyoming	10.86	10.77	9.50	9.63	6.86	7.10	--	--	8.21	8.37
Pacific Contiguous	14.81	14.54	12.88	12.57	8.58	8.19	8.95	8.06	12.70	12.47
California	19.15	18.68	14.83	14.45	11.44	10.85	8.94	8.01	15.62	15.30
Oregon	10.73	10.53	8.76	8.75	6.00	6.07	9.30	9.22	9.00	8.97
Washington	9.54	9.27	8.84	8.41	4.67	4.58	9.48	9.12	8.16	7.91
Pacific Noncontiguous	26.30	24.89	23.58	22.50	22.52	20.94	--	--	24.12	22.76
Alaska	21.11	20.61	18.72	18.72	16.93	16.71	--	--	19.18	18.97
Hawaii	31.52	29.39	28.70	26.60	25.10	22.81	--	--	28.14	25.89
U.S. Total	12.62	12.78	10.60	10.48	6.75	6.62	9.74	9.47	10.43	10.31

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Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-861M (formerly EIA-826), Monthly Electric Power Industry Report.

Table 5.6.B. Average Price of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through February 2018 and 2017 (Cents per Kilowatthour)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD	February 2018 YTD	February 2017 YTD
New England	20.30	18.56	16.69	14.70	13.75	12.40	12.47	9.58	17.89	15.99
Connecticut	20.65	19.56	17.06	15.78	14.74	13.24	18.25	10.98	18.59	17.29
Maine	16.11	15.98	12.78	12.46	9.84	9.47	--	--	13.63	13.40
Massachusetts	21.29	18.56	17.19	14.48	15.21	13.28	9.36	8.17	18.63	15.87
New Hampshire	19.49	18.63	16.23	14.59	14.23	12.64	--	--	17.40	16.06
Rhode Island	21.97	19.31	17.60	15.71	16.37	14.50	16.43	19.02	19.26	17.11
Vermont	17.65	17.26	15.10	14.44	10.67	10.15	--	--	15.18	14.53
Middle Atlantic	15.65	15.59	12.27	12.01	7.51	6.90	10.40	10.63	12.68	12.36
New Jersey	15.67	15.77	12.31	11.97	10.84	10.03	8.51	9.08	13.43	13.17
New York	17.95	17.39	14.01	13.66	6.51	5.42	11.22	11.91	14.51	14.02
Pennsylvania	13.81	14.02	9.29	9.13	7.39	6.94	7.52	7.05	10.61	10.38
East North Central	12.79	12.65	10.09	9.87	7.19	6.98	6.96	6.41	10.18	9.90
Illinois	12.37	11.68	9.09	8.39	7.04	6.32	6.77	6.08	9.62	8.85
Indiana	11.28	11.49	10.19	10.23	7.18	7.38	10.71	11.43	9.47	9.51
Michigan	15.42	15.31	11.10	11.03	7.34	7.35	10.79	12.30	11.57	11.47
Ohio	12.01	11.81	9.92	9.83	6.97	6.66	6.92	7.36	9.88	9.55
Wisconsin	14.14	14.15	10.86	10.88	7.75	7.66	12.82	13.48	10.99	10.93
West North Central	10.68	10.74	9.10	9.11	7.04	6.84	8.09	8.00	9.19	9.11
Iowa	11.24	10.95	9.14	8.68	5.93	5.50	--	--	8.49	8.08
Kansas	12.42	12.34	10.21	9.96	7.62	7.33	--	--	10.31	10.02
Minnesota	12.48	12.45	9.85	10.27	7.60	7.51	9.27	9.37	10.18	10.28
Missouri	9.45	9.61	8.29	8.23	6.47	6.33	6.74	6.60	8.65	8.62
Nebraska	9.44	9.57	8.47	8.46	7.00	6.90	--	--	8.42	8.40
North Dakota	9.07	9.19	8.58	8.86	8.43	8.54	--	--	8.68	8.86
South Dakota	10.73	10.48	9.30	9.03	7.78	7.50	--	--	9.66	9.38
South Atlantic	11.54	11.60	9.65	9.44	6.57	6.30	7.51	7.80	10.09	9.86
Delaware	12.19	13.08	9.40	10.13	8.46	7.86	--	--	10.63	11.09
District of Columbia	12.77	12.58	12.12	11.50	8.31	8.13	8.53	9.44	12.13	11.64
Florida	12.08	11.64	9.99	9.60	8.09	7.84	8.51	8.64	10.98	10.48
Georgia	10.75	11.14	9.91	9.88	6.12	5.47	6.07	4.71	9.48	9.34
Maryland	13.15	14.30	10.95	11.26	9.16	8.54	6.99	7.78	11.94	12.51
North Carolina	10.72	10.75	8.80	8.52	6.34	5.97	8.58	8.83	9.36	9.04
South Carolina	11.95	12.43	9.88	10.40	5.76	5.84	--	--	9.53	9.57
Virginia	11.14	10.78	8.38	7.71	6.81	6.55	8.37	7.66	9.51	8.91
West Virginia	11.18	11.42	9.50	9.71	6.60	6.78	--	--	9.13	9.25
East South Central	10.64	10.99	10.41	10.57	5.79	5.89	--	--	9.22	9.22
Alabama	11.86	12.44	11.29	11.70	5.83	5.90	--	--	9.58	9.68
Kentucky	10.02	10.40	9.46	9.63	5.57	5.63	--	--	8.39	8.44
Mississippi	10.75	10.83	10.64	10.25	5.96	6.10	--	--	9.23	9.02
Tennessee	10.16	10.47	10.28	10.51	5.87	6.06	--	--	9.52	9.52
West South Central	10.32	10.43	8.37	8.38	5.47	5.23	8.43	8.46	8.36	8.09
Arkansas	9.56	9.44	8.55	8.12	5.93	5.54	11.62	12.99	8.17	7.76
Louisiana	8.81	8.46	8.94	8.40	5.10	4.69	10.01	9.90	7.49	6.92
Oklahoma	9.24	9.85	7.77	7.86	5.12	5.08	--	--	7.67	7.81
Texas	10.95	11.10	8.34	8.47	5.57	5.37	8.31	8.34	8.69	8.46
Mountain	11.52	11.18	9.22	9.08	6.10	6.02	9.47	9.88	9.10	8.94
Arizona	12.20	11.46	10.09	9.71	6.04	5.90	9.08	8.59	10.09	9.64
Colorado	11.63	11.69	9.40	9.31	7.09	6.99	8.94	10.22	9.55	9.55
Idaho	10.22	9.43	7.87	7.52	5.88	5.78	--	--	8.39	7.99
Montana	10.70	10.61	9.93	9.92	4.92	4.96	--	--	8.94	8.96
Nevada	12.43	11.70	8.09	7.87	5.34	4.98	8.01	7.62	8.44	7.98
New Mexico	12.05	12.37	9.56	9.75	5.65	5.85	--	--	9.08	9.34
Utah	10.38	10.70	8.05	8.20	5.83	5.79	10.69	9.94	8.10	8.23
Wyoming	10.84	10.66	9.40	9.39	6.73	6.93	--	--	8.14	8.24
Pacific Contiguous	14.75	14.39	12.76	12.39	8.59	8.14	8.69	8.26	12.70	12.40
California	18.96	18.55	14.57	14.21	11.49	10.77	8.66	8.22	15.53	15.20
Oregon	10.62	10.45	8.82	8.73	5.97	6.06	9.20	9.16	9.04	9.04
Washington	9.52	9.25	8.74	8.39	4.62	4.52	9.56	9.54	8.14	7.94
Pacific Noncontiguous	26.40	24.58	23.68	22.32	22.64	20.83	--	--	24.25	22.61
Alaska	21.41	20.59	18.80	18.52	17.21	16.85	--	--	19.42	18.96
Hawaii	31.32	28.81	28.79	26.47	25.00	22.52	--	--	28.10	25.61
U.S. Total	12.40	12.46	10.53	10.35	6.86	6.60	9.59	9.42	10.45	10.23

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-861M (formerly EIA-826), Monthly Electric Power Industry Report.

Table 5.7. Number of Ultimate Customers Served by Sector: 2008 - February 2018

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	129,811,667	17,985,582	835,527	78	148,632,855
2016	131,068,719	18,148,290	838,099	83	150,055,191
2017	132,572,042	18,323,932	821,267	85	151,717,327
Year 2016					
January	130,327,243	18,001,806	829,287	78	149,158,414
February	130,114,828	18,022,657	825,209	81	148,962,775
March	131,333,340	18,185,531	835,990	86	150,354,947
April	130,452,160	18,064,005	823,879	82	149,340,126
May	131,002,108	18,133,949	840,080	85	149,976,222
June	131,282,771	18,174,804	853,646	86	150,311,307
July	131,086,905	18,130,289	847,849	83	150,065,126
August	131,346,501	18,227,261	859,607	83	150,433,452
Sept	131,374,997	18,207,555	846,336	83	150,428,971
October	131,318,899	18,203,386	838,393	84	150,360,762
November	131,325,418	18,183,746	824,510	84	150,333,758
December	131,859,453	18,244,491	832,403	84	150,936,431
Year 2017					
January	131,863,431	18,225,561	808,008	84	150,897,084
February	131,376,684	18,136,945	797,401	84	150,311,114
March	132,758,623	18,322,415	816,055	84	151,897,177
April	131,802,218	18,162,546	803,225	85	150,768,074
May	133,093,868	18,323,788	829,718	85	152,247,459
June	132,810,755	18,339,737	837,435	85	151,988,012
July	132,296,207	18,344,928	831,768	85	151,472,988
August	132,980,967	18,427,812	847,850	85	152,256,714
Sept	132,427,305	18,344,964	826,688	85	151,599,042
October	133,098,434	18,426,160	829,169	85	152,353,848
November	133,065,798	18,420,680	813,432	85	152,299,995
December	133,290,218	18,411,649	814,459	85	152,516,411
Year 2018					
January	133,315,177	18,481,157	815,775	84	152,612,193
February	132,952,662	18,367,853	771,598	84	152,092,197
Rolling 12 Months Ending in February					
2017	131,301,889	18,176,460	834,009	84	150,312,442
2018	132,824,353	18,364,474	819,764	85	152,008,676

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 2016 and prior years are final. Values for 2018 and 2017 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-861M (formerly EIA-826), Monthly Electric Industry Power Report.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 2018 and 2017

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	6,372,675	6,292,938	882,445	879,360	20,239	25,706	6	6	7,275,365	7,198,010
Connecticut	1,501,996	1,494,940	154,077	151,693	4,323	4,391	3	3	1,660,399	1,651,027
Maine	682,205	658,104	95,705	92,724	2,912	2,817	0	0	780,822	753,645
Massachusetts	2,807,501	2,769,599	408,092	411,737	7,918	13,226	2	2	3,223,513	3,194,564
New Hampshire	621,179	615,441	107,542	107,402	3,169	3,245	0	0	731,890	726,088
Rhode Island	446,187	442,452	60,454	59,918	1,781	1,816	1	1	508,423	504,187
Vermont	313,607	312,402	56,575	55,886	136	211	0	0	370,318	368,499
Middle Atlantic	16,124,189	15,998,724	2,333,825	2,294,593	29,972	42,271	20	20	18,488,006	18,335,608
New Jersey	3,559,473	3,518,488	518,901	515,151	11,787	11,769	6	6	4,090,167	4,045,414
New York	7,174,850	7,127,128	1,102,973	1,082,239	6,694	7,478	8	8	8,284,525	8,216,853
Pennsylvania	5,389,866	5,353,108	711,951	697,203	11,491	23,024	6	6	6,113,314	6,073,341
East North Central	20,227,700	20,085,417	2,498,232	2,482,442	46,480	51,979	9	8	22,772,421	22,619,846
Illinois	5,300,721	5,271,031	614,018	608,816	4,003	5,473	3	3	5,918,745	5,885,323
Indiana	2,852,330	2,827,659	352,055	348,763	15,200	17,283	1	1	3,219,586	3,193,706
Michigan	4,381,583	4,356,144	549,343	550,087	NM	NM	2	1	4,936,412	4,911,925
Ohio	4,982,715	4,947,799	626,893	621,511	17,056	18,809	2	2	5,626,666	5,588,121
Wisconsin	2,710,351	2,682,784	355,923	353,265	NM	NM	1	1	3,071,012	3,040,771
West North Central	9,518,149	9,461,428	1,457,422	1,441,724	108,778	112,369	3	3	11,084,352	11,015,524
Iowa	1,392,837	1,377,866	244,013	241,986	NM	NM	0	0	1,643,559	1,626,652
Kansas	1,276,154	1,262,671	234,874	231,188	24,890	25,034	0	0	1,535,918	1,518,893
Minnesota	2,401,567	2,377,107	289,950	287,363	NM	NM	1	1	2,699,418	2,672,504
Missouri	2,806,090	2,821,929	380,311	376,478	6,788	8,278	2	2	3,193,191	3,206,687
Nebraska	860,406	848,539	161,614	159,439	51,518	53,361	0	0	1,073,538	1,061,339
North Dakota	379,526	376,553	73,461	72,956	7,990	7,874	0	0	460,977	457,383
South Dakota	401,569	396,763	73,199	72,314	NM	NM	0	0	477,751	472,066
South Atlantic	27,819,111	27,450,115	3,785,545	3,723,295	77,929	78,993	13	13	31,682,598	31,252,416
Delaware	427,020	421,015	54,186	53,058	601	1,109	0	0	481,807	475,182
District of Columbia	272,136	265,178	26,208	26,021	1	1	3	3	298,348	291,203
Florida	9,323,950	9,198,852	1,231,238	1,212,601	20,190	20,549	2	2	10,575,380	10,432,004
Georgia	4,359,412	4,294,575	581,700	571,312	19,190	19,064	1	1	4,960,303	4,884,952
Maryland	2,329,836	2,306,734	253,088	251,384	8,730	8,827	5	5	2,591,659	2,566,950
North Carolina	4,539,067	4,468,260	699,424	679,500	9,769	9,868	1	1	5,248,261	5,157,629
South Carolina	2,279,374	2,241,731	365,555	358,973	4,240	4,223	0	0	2,649,169	2,604,927
Virginia	3,427,305	3,392,855	429,415	427,235	3,732	3,748	1	1	3,860,453	3,823,839
West Virginia	861,011	860,915	144,731	143,211	11,476	11,604	0	0	1,017,218	1,015,730
East South Central	8,432,900	8,342,893	1,395,199	1,374,968	22,701	24,379	0	0	9,850,800	9,742,240
Alabama	2,249,035	2,228,539	369,480	364,738	8,180	8,093	0	0	2,626,695	2,601,370
Kentucky	1,994,316	1,977,920	302,068	298,760	6,186	7,529	0	0	2,302,570	2,284,209
Mississippi	1,311,078	1,299,502	238,582	234,490	7,482	7,463	0	0	1,557,142	1,541,455
Tennessee	2,878,471	2,836,932	485,069	476,980	853	1,294	0	0	3,364,393	3,315,206
West South Central	16,017,963	15,653,299	2,249,875	2,206,133	187,945	184,270	6	6	18,455,789	18,043,708
Arkansas	1,389,105	1,375,666	191,568	188,169	34,162	33,837	2	2	1,614,837	1,597,674
Louisiana	2,088,338	2,072,654	291,075	286,751	18,220	18,309	1	1	2,397,634	2,377,715
Oklahoma	1,779,434	1,758,581	284,303	280,661	17,845	17,890	0	0	2,081,582	2,057,132
Texas	10,761,086	10,446,398	1,482,929	1,450,552	117,718	114,234	3	3	12,361,736	12,011,187
Mountain	9,767,250	9,615,722	1,387,958	1,375,357	85,551	85,440	5	5	11,240,764	11,076,524
Arizona	2,794,648	2,753,223	320,759	318,368	6,593	6,856	2	2	3,122,002	3,078,449
Colorado	2,313,405	2,276,333	361,755	358,654	13,900	13,777	1	1	2,689,061	2,648,765
Idaho	736,257	720,952	109,750	107,914	28,170	27,956	0	0	874,177	856,822
Montana	509,968	503,296	110,029	108,187	NM	NM	0	0	626,042	617,549
Nevada	1,172,250	1,154,293	163,923	162,813	NM	NM	1	1	1,339,358	1,320,239
New Mexico	900,027	891,810	139,029	138,789	8,443	8,528	0	0	1,047,499	1,039,127
Utah	1,067,258	1,044,306	124,211	122,309	9,500	9,412	1	1	1,200,970	1,176,028
Wyoming	273,437	271,509	58,502	58,323	9,716	9,713	0	0	341,655	339,545
Pacific Contiguous	17,949,360	17,759,413	2,263,924	2,244,725	189,846	189,859	22	23	20,403,152	20,194,020
California	13,159,893	13,033,532	1,632,053	1,620,120	138,818	138,428	14	15	14,930,778	14,792,095
Oregon	1,750,925	1,728,920	240,138	237,436	23,321	23,389	2	2	2,014,386	1,989,747
Washington	3,038,542	2,996,961	391,733	387,169	27,707	28,042	6	6	3,457,988	3,412,178
Pacific Noncontiguous	723,365	716,735	113,428	114,348	NM	NM	0	0	838,950	833,218
Alaska	287,748	284,979	53,559	53,094	NM	NM	0	0	342,678	339,421
Hawaii	435,617	431,756	59,869	61,254	786	787	0	0	496,272	493,797
U.S. Total	132,952,662	131,376,684	18,367,853	18,136,945	771,598	797,401	84	84	152,092,197	150,311,114

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.
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-861M (formerly EIA-826), Monthly Electric Power Industry Report.

Table 6.1. Electric Generating Summer Capacity Changes (MW), January 2018 to February 2018

		As of End of January 2018	Activity During February 2018 as Reported to EIA		As of End of February 2018	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*	*88,337.3*	*407.5*	*0.3*	*88,744.5*	*407.2*	*1,230.2*	*6,860.2*	*210.9*	*5,869.4*	*0.0*	*25.5*	*210.9*	*5,843.9*	*88,955.4*	*94,588.4*
..... *Offshore Wind (Summer Capacity)*	*Utility Scale Facilities*	*29.3*	*0.0*	*0.0*	*29.3*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*29.3*	*29.3*
..... Wind (Summer Capacity)	Utility Scale Facilities	88,366.6	407.5	0.3	88,773.8	407.2	1,230.2	6,860.2	210.9	5,869.4	0.0	25.5	210.9	5,843.9	88,984.7	94,617.7
..... *Solar Photovoltaic*	*Utility Scale Facilities*	*25,689.0*	*128.1*	*7.3*	*25,809.8*	*120.8*	*903.0*	*5,135.0*	*751.2*	*4,421.3*	*0.0*	*0.8*	*751.2*	*4,420.5*	*26,561.0*	*30,230.3*
..... *Solar Thermal without Energy Storage*	*Utility Scale Facilities*	*1,352.5*	*0.0*	*0.0*	*1,352.5*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*1,352.5*	*1,352.5*
..... *Solar Thermal with Energy Storage*	*Utility Scale Facilities*	*405.4*	*0.0*	*0.0*	*405.4*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*405.4*	*405.4*
..... Solar Subtotal	Utility Scale Facilities	27,446.9	128.1	7.3	27,567.7	120.8	903.0	5,135.0	751.2	4,421.3	0.0	0.8	751.2	4,420.5	28,318.9	31,988.2
..... Conventional Hydroelectric	Utility Scale Facilities	80,049.1	21.1	13.5	80,056.7	7.6	-1.1	143.8	0.0	263.5	0.0	6.9	0.0	256.6	80,056.7	80,313.3
..... *Wood/Wood Waste Biomass*	*Utility Scale Facilities*	*9,062.4*	*3.5*	*96.0*	*8,969.9*	*-92.5*	*-92.5*	*20.8*	*0.0*	*15.4*	*6.0*	*6.0*	*-6.0*	*9.4*	*8,963.9*	*8,979.3*
..... *Landfill Gas*	*Utility Scale Facilities*	*2,084.5*	*4.8*	*1.8*	*2,087.5*	*3.0*	*-20.6*	*-7.1*	*0.0*	*4.2*	*0.0*	*6.7*	*0.0*	*-2.5*	*2,087.5*	*2,085.0*
..... *Municipal Solid Waste*	*Utility Scale Facilities*	*2,244.8*	*0.0*	*0.0*	*2,244.8*	*0.0*	*-2.0*	*-3.6*	*0.0*	*0.0*	*0.0*	*10.0*	*0.0*	*-10.0*	*2,244.8*	*2,234.8*
..... *Other Waste Biomass*	*Utility Scale Facilities*	*778.2*	*4.0*	*0.0*	*782.2*	*4.0*	*4.0*	*32.2*	*50.4*	*82.4*	*0.0*	*0.0*	*50.4*	*82.4*	*832.6*	*864.6*
..... Biomass Sources Subtotal	Utility Scale Facilities	14,169.9	12.3	97.8	14,084.4	-85.5	-111.1	42.3	50.4	102.0	6.0	22.7	44.4	79.3	14,128.8	14,163.7
..... Geothermal	Utility Scale Facilities	2,508.6	0.0	22.0	2,486.6	-22.0	-6.0	-29.0	0.0	39.9	0.0	0.0	0.0	39.9	2,486.6	2,526.5
... Renewable Sources Subtotal	***Utility Scale Facilities***	***212,541.1***	***569.0***	***140.9***	***212,969.2***	***428.1***	***2,015.0***	***12,152.3***	***1,012.5***	***10,696.1***	***6.0***	***55.9***	***1,006.5***	***10,640.2***	***213,975.7***	***223,609.4***
..... *Natural Gas Fired Combined Cycle*	*Utility Scale Facilities*	*246,496.7*	*1,336.1*	*1,079.0*	*246,753.8*	*257.1*	*377.9*	*7,420.6*	*4,211.1*	*18,316.7*	*0.0*	*163.0*	*4,211.1*	*18,153.7*	*250,964.9*	*264,907.5*
..... *Natural Gas Fired Combustion Turbine*	*Utility Scale Facilities*	*127,338.1*	*55.9*	*697.0*	*126,697.0*	*-641.1*	*-507.7*	*188.0*	*965.0*	*2,542.5*	*0.0*	*241.4*	*965.0*	*2,301.1*	*127,662.0*	*128,998.1*
..... *Natural Gas Steam Turbine*	*Utility Scale Facilities*	*75,028.7*	*1,909.0*	*479.8*	*76,457.9*	*1,429.2*	*1,747.4*	*222.8*	*0.0*	*1.0*	*107.0*	*2,324.5*	*-107.0*	*-2,323.5*	*76,350.9*	*74,134.4*
..... *Natural Gas Internal Combustion Engine*	*Utility Scale Facilities*	*4,301.6*	*6.0*	*3.7*	*4,303.9*	*2.3*	*19.0*	*114.6*	*85.3*	*445.5*	*4.4*	*9.6*	*80.9*	*435.9*	*4,384.8*	*4,739.8*
..... *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*	*121.8*	*0.0*	*0.0*	*121.8*	*0.0*	*0.0*	*0.0*	*0.0*	*30.6*	*0.0*	*0.0*	*0.0*	*30.6*	*121.8*	*152.4*
..... Natural Gas Subtotal	Utility Scale Facilities	453,396.9	3,307.0	2,259.5	454,444.4	1,047.5	1,636.6	7,946.0	5,261.4	21,336.3	111.4	2,738.5	5,150.0	18,597.8	459,594.4	473,042.2
..... *Conventional Steam Coal*	*Utility Scale Facilities*	*254,718.3*	*45.6*	*2,990.2*	*251,773.7*	*-2,944.6*	*-7,676.5*	*-13,846.4*	*0.0*	*697.0*	*0.0*	*7,967.5*	*0.0*	*-7,270.5*	*251,773.7*	*244,503.2*
..... *Coal Integrated Gasification Combined Cycle*	*Utility Scale Facilities*	*815.0*	*0.0*	*0.0*	*815.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*815.0*	*815.0*
..... Coal Subtotal	Utility Scale Facilities	255,533.3	45.6	2,990.2	252,588.7	-2,944.6	-7,676.5	-13,846.4	0.0	697.0	0.0	7,967.5	0.0	-7,270.5	252,588.7	245,318.2
..... Petroleum Coke	Utility Scale Facilities	1,466.7	2.2	0.0	1,468.9	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	1,468.9	1,468.9
..... Petroleum Liquids	Utility Scale Facilities	32,208.8	53.6	15.2	32,247.2	38.4	24.0	-740.1	3.0	32.5	2.0	243.6	1.0	-211.1	32,248.2	32,036.1
..... Other Gases	Utility Scale Facilities	2,456.7	22.5	0.0	2,479.2	22.5	22.3	22.3	0.0	0.0	0.0	0.0	0.0	0.0	2,479.2	2,479.2
... Fossil Fuels Subtotal	***Utility Scale Facilities***	***745,062.4***	***3,430.9***	***5,264.9***	***743,228.4***	***-1,834.0***	***-5,991.4***	***-6,616.0***	***5,264.4***	***22,065.8***	***113.4***	***10,949.6***	***5,151.0***	***11,116.2***	***748,379.4***	***754,344.6***
..... Hydroelectric Pumped Storage	Utility Scale Facilities	22,808.7	6.0	5.0	22,809.7	1.0	1.0	31.0	0.0	57.0	0.0	0.0	0.0	57.0	22,809.7	22,866.7
..... Flywheels	Utility Scale Facilities	42.0	0.0	0.0	42.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	42.0	42.0
..... Batteries	Utility Scale Facilities	717.3	6.9	40.0	684.2	-33.1	-21.0	95.1	0.0	125.8	0.0	0.0	0.0	125.8	684.2	810.0
... Energy Storage Subtotal	***Utility Scale Facilities***	***23,568.0***	***12.9***	***45.0***	***23,535.9***	***-32.1***	***-20.0***	***126.1***	***0.0***	***182.8***	***0.0***	***0.0***	***0.0***	***182.8***	***23,535.9***	***23,718.7***
... Nuclear	***Utility Scale Facilities***	***99,629.8***	***11.7***	***0.0***	***99,641.5***	***11.7***	***6.9***	***25.9***	***0.0***	***18.0***	***0.0***	***607.7***	***0.0***	***-589.7***	***99,641.5***	***99,051.8***
... All Other	***Utility Scale Facilities***	***1,418.7***	***4.5***	***0.0***	***1,423.2***	***4.5***	***4.3***	***4.3***	***6.0***	***54.8***	***0.0***	***0.0***	***6.0***	***54.8***	***1,429.2***	***1,478.0***
TOTAL	**UTILITY SCALE FACILITIES**	**1,082,220.0**	**4,029.0**	**5,450.8**	**1,080,798.2**	**-1,421.8**	**-3,985.2**	**5,692.6**	**6,282.9**	**33,017.5**	**119.4**	**11,613.2**	**6,163.5**	**21,404.3**	**1,086,961.7**	**1,102,202.5**
..... *Estimated Small Scale Solar Photovoltaic*	*Small Scale Facilities*	*16,655.5*			*16,893.0*	*237.5*	*668.8*	*3,560.2*								
..... Estimated Total Solar Photovoltaic	All Facilities	42,344.5			42,702.8	358.3	1,571.8	8,695.2								
... Estimated Total Solar	***All Facilities***	***44,102.4***			***44,460.7***	***358.3***	***1,571.8***	***8,695.2***								

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 table.

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 small scale solar photovoltaic capacity is based on data from Form EIA-861M, Form EIA-861 and from estimation methods described in the technical notes.

Table 6.1.A. Estimated Net Summer Solar Photovoltaic Capacity From Utility and Small Scale Facilities (Megawatts)
2008 - February 2018

Period	Utility Solar Photovoltaic	Estimated Small Scale 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	7,326.6	15,983.2
2015	11,905.4	9,778.5	21,683.9
2016	20,192.9	12,765.1	32,958.0
2017	24,906.8	16,224.2	41,131.0
Year 2016			
January	12,470.5	9,865.6	22,336.1
February	12,615.2	10,123.1	22,738.3
March	12,822.0	10,440.2	23,262.2
April	13,298.0	10,687.8	23,985.8
May	13,419.8	10,927.9	24,347.7
June	13,635.3	11,185.2	24,820.5
July	14,360.4	11,385.3	25,745.7
August	15,297.1	11,670.6	26,967.7
Sept	16,064.3	11,913.3	27,977.6
October	16,477.2	12,156.4	28,633.6
November	17,192.0	12,446.4	29,638.4
December	20,192.9	12,765.1	32,958.0
Year 2017			
January	20,487.3	13,028.2	33,515.5
February	20,674.8	13,332.8	34,007.6
March	21,013.3	13,722.5	34,735.8
April	21,530.7	13,971.4	35,502.1
May	21,927.8	14,259.4	36,187.2
June	22,151.3	14,543.5	36,694.8
July	22,264.5	14,810.2	37,074.7
August	22,443.8	15,104.9	37,548.7
Sept	22,653.0	15,340.6	37,993.6
October	23,001.1	15,582.9	38,584.0
November	23,538.3	15,868.6	39,406.9
December	24,906.8	16,224.2	41,131.0
Year 2018			
January	25,689.0	16,655.5	42,344.5
February	25,809.8	16,893.0	42,702.8

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 small scale solar photovoltaic capacity is based on data from Form EIA-861M, Form EIA-861, and from estimation methods described in the technical notes.

Table 6.1.B. Estimated Net Summer Solar Photovoltaic Capacity From Small Scale Facilities by Sector (Megawatts):
2014 - February 2018

Period	Residential	Commercial	Industrial	Total
Annual Totals				
2014	3,346.3	3,279.7	700.6	7,326.6
2015	5,191.5	3,706.7	880.3	9,778.5
2016	7,527.0	4,022.8	1,215.3	12,765.1
2017	9,574.0	5,146.5	1,503.7	16,224.2
Year 2016				
January	5,428.5	3,419.8	1,017.3	9,865.6
February	5,627.1	3,458.3	1,037.7	10,123.1
March	5,852.7	3,521.8	1,065.8	10,440.2
April	6,051.1	3,552.6	1,084.1	10,687.8
May	6,238.7	3,589.1	1,100.0	10,927.9
June	6,432.3	3,640.4	1,112.5	11,185.2
July	6,592.9	3,660.7	1,131.7	11,385.3
August	6,785.8	3,734.2	1,150.5	11,670.6
Sept	6,957.7	3,794.2	1,161.5	11,913.3
October	7,147.1	3,837.6	1,171.8	12,156.4
November	7,332.8	3,930.7	1,182.9	12,446.4
December	7,527.0	4,022.8	1,215.3	12,765.1
Year 2017				
January	7,708.1	4,105.9	1,214.2	13,028.2
February	7,895.4	4,151.7	1,285.7	13,332.8
March	8,124.1	4,286.3	1,312.1	13,722.5
April	8,275.0	4,372.5	1,324.0	13,971.4
May	8,456.1	4,456.1	1,347.2	14,259.4
June	8,618.5	4,555.2	1,369.8	14,543.5
July	8,776.9	4,637.7	1,395.5	14,810.2
August	8,956.2	4,734.4	1,414.3	15,104.9
Sept	9,105.0	4,797.4	1,438.2	15,340.6
October	9,254.3	4,884.2	1,444.4	15,582.9
November	9,416.4	4,978.0	1,474.3	15,868.6
December	9,574.0	5,146.5	1,503.7	16,224.2
Year 2018				
January	9,787.4	5,349.7	1,518.4	16,655.5
February	9,996.0	5,378.3	1,518.8	16,893.0

Due to incorrect reporting by sector, the sector allocations for small scale solar have been estimated for February 2018.
Values are preliminary.
Final data for 2016 monthly has changed based on new data elements collected from EIA-861 Schedule 7B. Data is now collected by sector, previously it was allocated to the commercial sector.
Estimated small scale solar photovoltaic capacity is based on data from Form EIA-861M, Form EIA-861, and from estimation methods described in the technical notes.

Table 6.2.A. Net Summer Capacity of Utility Scale Units by Technology and by State, February 2018 and 2017 (Megawatts)

Census Division and State	Renewable Sources		Fossil Fuels		Hydroelectric Pumped Storage		Other Energy Storage		Nuclear		All Other Sources		All Sources	
	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	5,641.1	5,529.3	21,463.3	22,700.5	1,797.4	1,797.4	24.7	19.0	4,014.1	4,014.1	52.9	52.9	32,993.5	34,113.2
Connecticut	360.5	353.5	6,370.1	6,308.7	29.4	29.4	1.6	0.8	2,087.8	2,087.8	30.9	30.9	8,880.3	8,811.1
Maine	2,346.5	2,418.2	2,538.5	2,442.5	0.0	0.0	16.2	16.2	0.0	0.0	22.0	22.0	4,923.2	4,898.9
Massachusetts	1,262.0	1,139.0	8,378.3	9,769.8	1,768.0	1,768.0	4.9	0.0	677.2	677.2	0.0	0.0	12,090.4	13,354.0
New Hampshire	928.9	928.9	2,262.9	2,266.0	0.0	0.0	0.0	0.0	1,249.1	1,249.1	0.0	0.0	4,440.9	4,444.0
Rhode Island	113.3	100.1	1,815.6	1,815.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,928.9	1,915.7
Vermont	629.9	589.6	97.9	97.9	0.0	0.0	2.0	2.0	0.0	0.0	0.0	0.0	729.8	689.5
Middle Atlantic	11,007.8	10,916.3	68,395.1	69,423.9	3,409.1	3,409.1	72.4	71.4	19,307.3	19,294.5	15.7	11.2	102,207.4	103,126.4
New Jersey	900.6	856.0	12,381.2	13,530.8	420.0	420.0	1.0	1.0	4,107.9	4,107.9	15.7	11.2	17,826.4	18,926.9
New York	7,227.5	7,177.8	26,207.4	26,162.9	1,406.1	1,406.1	21.0	20.0	5,402.4	5,389.6	0.0	0.0	40,264.4	40,156.4
Pennsylvania	2,879.7	2,882.5	29,806.5	29,730.2	1,583.0	1,583.0	50.4	50.4	9,797.0	9,797.0	0.0	0.0	44,116.6	44,043.1
East North Central	11,690.3	10,760.7	114,380.3	113,187.8	2,134.0	2,103.0	167.4	187.4	19,023.8	19,033.7	110.1	110.1	147,505.9	145,382.7
Illinois	4,447.9	4,172.4	29,064.1	28,995.5	0.0	0.0	112.4	112.4	11,577.4	11,587.3	0.0	0.0	45,201.8	44,867.6
Indiana	2,450.0	2,206.2	23,121.0	23,103.0	0.0	0.0	22.0	22.0	0.0	0.0	89.0	89.0	25,682.0	25,420.2
Michigan	2,636.1	2,419.8	20,844.4	20,616.7	2,134.0	2,103.0	0.0	0.0	4,119.8	4,119.8	0.0	0.0	29,734.3	29,259.3
Ohio	927.3	843.2	26,828.0	25,939.5	0.0	0.0	33.0	53.0	2,134.0	2,134.0	0.0	0.0	29,922.3	28,969.7
Wisconsin	1,229.0	1,119.1	14,522.8	14,533.1	0.0	0.0	0.0	0.0	1,192.6	1,192.6	21.1	21.1	16,965.5	16,865.9
West North Central	26,722.7	24,615.0	60,701.3	60,629.8	657.0	657.0	3.2	2.0	5,444.9	5,444.9	24.5	24.5	93,553.6	91,373.2
Iowa	7,316.3	6,946.8	9,918.4	9,531.7	0.0	0.0	0.0	0.0	601.4	601.4	0.0	0.0	17,836.1	17,079.9
Kansas	5,137.0	4,476.2	9,794.7	9,789.4	0.0	0.0	0.0	0.0	1,225.0	1,225.0	0.8	0.8	16,157.5	15,491.4
Minnesota	4,958.4	4,440.7	10,003.0	10,089.3	0.0	0.0	1.0	1.0	1,657.0	1,657.0	18.4	18.4	16,637.8	16,206.4
Missouri	1,560.6	1,242.2	18,446.3	18,578.4	657.0	657.0	2.2	1.0	1,190.0	1,190.0	0.0	0.0	21,856.1	21,668.6
Nebraska	1,720.8	1,629.5	6,216.5	6,215.5	0.0	0.0	0.0	0.0	771.5	771.5	0.0	0.0	8,708.8	8,616.5
North Dakota	3,592.8	3,442.8	4,630.6	4,733.7	0.0	0.0	0.0	0.0	0.0	0.0	5.3	5.3	8,228.7	8,181.8
South Dakota	2,436.8	2,436.8	1,691.8	1,691.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4,128.6	4,128.6
South Atlantic	18,639.0	16,825.4	158,036.6	159,072.5	7,905.2	7,905.2	80.5	78.5	24,602.6	24,598.6	446.7	446.7	209,710.6	208,926.9
Delaware	46.4	44.9	3,331.4	3,364.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,377.8	3,409.3
District of Columbia	12.0	12.0	9.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	21.0	21.0
Florida	2,143.9	1,681.8	51,923.1	53,273.3	0.0	0.0	0.0	0.0	3,572.0	3,572.0	348.7	348.7	57,987.7	58,875.8
Georgia	4,011.6	3,908.7	26,938.4	26,938.4	1,862.2	1,862.2	1.0	1.0	4,061.0	4,061.0	44.0	44.0	36,918.2	36,815.3
Maryland	1,088.5	1,085.9	10,278.7	10,287.3	0.0	0.0	13.0	11.0	1,707.8	1,707.8	0.0	0.0	13,088.0	13,092.0
North Carolina	6,041.4	5,282.6	21,644.3	21,615.9	86.0	86.0	1.0	1.0	5,117.6	5,113.6	54.0	54.0	32,944.3	32,153.1
South Carolina	2,131.7	1,911.7	11,435.2	11,472.3	2,716.0	2,716.0	0.0	0.0	6,576.2	6,576.2	0.0	0.0	22,859.1	22,676.2
Virginia	2,127.7	1,862.0	18,713.2	17,948.6	3,241.0	3,241.0	0.0	0.0	3,568.0	3,568.0	0.0	0.0	27,649.9	26,619.6
West Virginia	1,035.8	1,035.8	13,763.3	14,163.3	0.0	0.0	65.5	65.5	0.0	0.0	0.0	0.0	14,864.6	15,264.6
East South Central	8,783.7	8,358.8	65,193.3	65,844.5	1,616.3	1,616.3	0.0	0.0	10,984.1	10,984.1	1.4	1.4	86,578.8	86,805.1
Alabama	4,170.9	4,016.2	20,291.3	20,260.8	0.0	0.0	0.0	0.0	5,060.4	5,060.4	0.0	0.0	29,522.6	29,337.4
Kentucky	1,244.3	1,150.6	18,874.3	19,004.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20,118.6	20,154.9
Mississippi	435.3	277.8	14,148.5	14,278.0	0.0	0.0	0.0	0.0	1,401.0	1,401.0	1.4	1.4	15,986.2	15,958.2
Tennessee	2,933.2	2,914.2	11,879.2	12,301.4	1,616.3	1,616.3	0.0	0.0	4,522.7	4,522.7	0.0	0.0	20,951.4	21,354.6
West South Central	36,076.9	32,109.1	139,900.2	141,659.0	286.0	286.0	93.3	41.0	8,910.7	8,910.7	512.7	512.9	185,779.8	183,518.7
Arkansas	1,691.1	1,610.1	11,245.2	11,245.2	28.0	28.0	0.0	0.0	1,817.8	1,817.8	0.0	0.0	14,782.1	14,701.1
Louisiana	683.2	682.1	20,637.2	20,953.2	0.0	0.0	0.5	0.0	2,132.9	2,132.9	288.7	288.9	23,742.5	24,057.1
Oklahoma	8,453.1	7,582.4	18,653.9	18,184.0	258.0	258.0	0.0	0.0	0.0	0.0	0.0	0.0	27,365.0	26,024.4
Texas	25,249.5	22,234.5	89,363.9	91,276.6	0.0	0.0	92.8	41.0	4,960.0	4,960.0	224.0	224.0	119,890.2	118,736.1
Mountain	26,112.7	24,874.2	62,291.3	63,643.7	778.8	778.8	23.6	22.6	3,937.0	3,937.0	126.3	126.3	93,269.7	93,382.6
Arizona	5,014.4	4,959.4	19,407.3	19,407.3	216.3	216.3	20.0	20.0	3,937.0	3,937.0	0.0	0.0	28,595.0	28,540.0
Colorado	4,277.5	4,158.5	11,119.2	11,345.2	562.5	562.5	1.0	0.0	0.0	0.0	9.3	9.3	15,969.5	16,075.5
Idaho	4,011.9	3,893.3	1,127.6	1,137.7	0.0	0.0	0.0	0.0	0.0	0.0	14.8	14.8	5,154.3	5,045.8
Montana	3,471.3	3,429.3	2,740.4	2,740.4	0.0	0.0	0.0	0.0	0.0	0.0	44.0	44.0	6,255.7	6,213.7
Nevada	3,570.0	3,343.4	7,791.6	8,048.6	0.0	0.0	0.0	0.0	0.0	0.0	6.5	6.5	11,368.1	11,398.5
New Mexico	2,385.7	1,706.8	5,966.8	6,828.3	0.0	0.0	2.6	2.6	0.0	0.0	0.0	0.0	8,355.1	8,537.7
Utah	1,587.5	1,589.1	7,360.2	7,348.2	0.0	0.0	0.0	0.0	0.0	0.0	40.2	40.2	8,987.9	8,977.5
Wyoming	1,794.4	1,794.4	6,778.2	6,788.0	0.0	0.0	0.0	0.0	0.0	0.0	11.5	11.5	8,584.1	8,593.9
Pacific Contiguous	67,166.9	65,730.0	48,665.8	49,466.1	4,225.9	4,225.9	175.4	135.7	3,417.0	3,398.0	106.3	106.3	123,757.3	123,062.0
California	30,164.1	28,945.1	39,587.9	40,400.3	3,911.9	3,911.9	162.8	125.5	2,240.0	2,240.0	106.3	106.3	76,173.0	75,729.1
Oregon	12,188.0	12,011.2	4,318.1	4,318.1	0.0	0.0	5.0	5.0	0.0	0.0	0.0	0.0	16,511.1	16,334.3
Washington	24,814.8	24,773.7	4,759.8	4,747.7	314.0	314.0	7.6	5.2	1,177.0	1,158.0	0.0	0.0	31,073.2	30,998.6
Pacific Noncontiguous	1,128.1	1,098.1	4,201.2	4,216.6	0.0	0.0	85.7	73.5	0.0	0.0	26.6	26.6	5,441.6	5,414.8
Alaska	538.0	538.0	2,142.9	2,159.4	0.0	0.0	46.2	45.0	0.0	0.0	0.0	0.0	2,727.1	2,742.4
Hawaii	590.1	560.1	2,058.3	2,057.2	0.0	0.0	39.5	28.5	0.0	0.0	26.6	26.6	2,714.5	2,672.4
U.S. Total	212,969.2	200,816.9	743,228.4	749,844.4	22,809.7	22,778.7	726.2	631.1	99,641.5	99,615.6	1,423.2	1,418.9	1,080,798.2	1,075,105.6

NM = Not meaningful due to large relative standard error.
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 2018 and 2017 (Megawatts)

Census Division and State	Summer Capacity at Utility Scale Facilities														Small Scale Capacity		Capacity From Utility and Small Scale Facilities			
	Wind		Solar Photovoltaic		Solar Thermal		Conventional Hydroelectric		Biomass Sources		Geothermal		Total Renewable Sources		Estimated Solar Photovoltaic		Estimated Total Solar Photovoltaic		Estimated Total Solar	
	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	1,400.7	1,348.0	748.6	602.4	0.0	0.0	1,960.7	1,957.4	1,531.1	1,621.5	0.0	0.0	5,641.1	5,529.3	1,966.3	1,441.6	2,714.9	2,044.0	2,714.9	2,044.0
Connecticut	1.1	1.1	33.7	26.7	0.0	0.0	122.2	122.2	203.5	203.5	0.0	0.0	360.5	353.5	341.6	270.1	375.3	296.8	375.3	296.8
Maine	921.6	898.8	5.6	4.1	0.0	0.0	732.4	732.4	686.9	782.9	0.0	0.0	2,346.5	2,418.2	34.6	24.5	40.2	28.6	40.2	28.6
Massachusetts	92.9	94.5	616.4	495.7	0.0	0.0	267.4	265.9	285.3	282.9	0.0	0.0	1,262.0	1,139.0	1,372.9	986.5	1,989.3	1,482.2	1,989.3	1,482.2
New Hampshire	183.1	183.1	0.0	0.0	0.0	0.0	504.8	504.8	241.0	241.0	0.0	0.0	928.9	928.9	72.3	56.7	72.3	56.7	72.3	56.7
Rhode Island	51.8	50.3	18.7	10.2	0.0	0.0	2.7	2.7	40.1	36.9	0.0	0.0	113.3	100.1	53.8	29.2	72.5	39.4	72.5	39.4
Vermont	150.2	120.2	74.2	65.7	0.0	0.0	331.2	329.4	74.3	74.3	0.0	0.0	629.9	589.6	91.2	74.6	165.4	140.3	165.4	140.3
Middle Atlantic	3,205.6	3,204.1	856.0	769.8	0.0	0.0	5,637.3	5,630.7	1,308.9	1,311.7	0.0	0.0	11,007.8	10,916.3	2,628.2	2,117.1	3,484.2	2,886.9	3,484.2	2,886.9
New Jersey	7.6	7.6	653.4	608.8	0.0	0.0	12.3	12.3	227.3	227.3	0.0	0.0	900.6	856.0	1,322.1	1,094.7	1,975.5	1,703.5	1,975.5	1,703.5
New York	1,826.2	1,824.7	151.8	110.2	0.0	0.0	4,725.4	4,718.8	524.1	524.1	0.0	0.0	7,227.5	7,177.8	1,022.0	794.0	1,173.8	904.2	1,173.8	904.2
Pennsylvania	1,371.8	1,371.8	50.8	50.8	0.0	0.0	899.6	899.6	557.5	560.3	0.0	0.0	2,879.7	2,882.5	284.1	228.5	334.9	279.3	334.9	279.3
East North Central	9,142.2	8,322.7	401.8	293.5	0.0	0.0	857.3	853.1	1,289.0	1,291.4	0.0	0.0	11,690.3	10,760.7	310.8	225.9	712.6	519.4	712.6	519.4
Illinois	4,261.8	3,983.8	34.8	32.8	0.0	0.0	34.1	34.1	117.2	121.7	0.0	0.0	4,447.9	4,172.4	52.8	29.7	87.6	62.5	87.6	62.5
Indiana	2,109.4	1,889.7	196.7	172.6	0.0	0.0	60.4	60.4	83.5	83.5	0.0	0.0	2,450.0	2,206.2	52.5	17.8	249.2	190.4	249.2	190.4
Michigan	1,735.8	1,583.8	74.3	12.5	0.0	0.0	266.9	263.0	559.1	560.5	0.0	0.0	2,636.1	2,419.8	54.3	56.4	128.6	68.9	128.6	68.9
Ohio	605.9	533.9	75.1	67.5	0.0	0.0	101.9	101.9	144.4	139.9	0.0	0.0	927.3	843.2	105.0	88.5	180.1	156.0	180.1	156.0
Wisconsin	429.3	331.5	20.9	8.1	0.0	0.0	394.0	393.7	384.8	385.8	0.0	0.0	1,229.0	1,119.1	46.1	33.5	67.0	41.6	67.0	41.6
West North Central	22,249.1	20,488.1	631.1	284.4	0.0	0.0	3,289.4	3,289.4	553.1	553.1	0.0	0.0	26,722.7	24,615.0	271.7	220.3	902.8	504.7	902.8	504.7
Iowa	7,142.3	6,777.9	7.7	2.6	0.0	0.0	144.9	144.9	21.4	21.4	0.0	0.0	7,316.3	6,946.8	73.3	52.2	81.0	54.8	81.0	54.8
Kansas	5,117.8	4,459.0	3.2	1.2	0.0	0.0	7.0	7.0	9.0	9.0	0.0	0.0	5,137.0	4,476.2	11.8	8.6	15.0	9.8	15.0	9.8
Minnesota	3,706.5	3,506.5	565.3	247.6	0.0	0.0	205.9	205.9	480.7	480.7	0.0	0.0	4,958.4	4,440.7	47.7	34.5	613.0	282.1	613.0	282.1
Missouri	954.3	654.3	44.1	25.7	0.0	0.0	545.7	545.7	16.5	16.5	0.0	0.0	1,560.6	1,242.2	133.3	121.7	177.4	147.4	177.4	147.4
Nebraska	1,417.4	1,329.6	9.8	6.3	0.0	0.0	277.9	277.9	15.7	15.7	0.0	0.0	1,720.8	1,629.5	4.8	2.6	14.6	8.9	14.6	8.9
North Dakota	3,073.0	2,923.0	0.0	0.0	0.0	0.0	510.0	510.0	9.8	9.8	0.0	0.0	3,592.8	3,442.8	0.2	0.2	0.2	0.2	0.2	0.2
South Dakota	837.8	837.8	1.0	1.0	0.0	0.0	1,598.0	1,598.0	0.0	0.0	0.0	0.0	2,436.8	2,436.8	0.5	0.5	1.5	1.5	1.5	1.5
South Atlantic	1,086.3	1,086.3	5,886.3	4,139.6	0.0	0.0	7,276.9	7,270.8	4,389.5	4,328.7	0.0	0.0	18,639.0	16,825.4	1,405.6	1,081.4	7,291.9	5,221.0	7,291.9	5,221.0
Delaware	2.0	2.0	32.2	30.7	0.0	0.0	0.0	0.0	12.2	12.2	0.0	0.0	46.4	44.9	69.1	56.7	101.3	87.4	101.3	87.4
District of Columbia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12.0	12.0	0.0	0.0	12.0	12.0	39.4	29.2	39.4	29.2	39.4	29.2
Florida	0.0	0.0	810.2	345.5	0.0	0.0	54.5	54.5	1,279.2	1,281.8	0.0	0.0	2,143.9	1,681.8	208.9	143.0	1,019.1	488.5	1,019.1	488.5
Georgia	0.0	0.0	1,010.9	968.1	0.0	0.0	2,047.2	2,047.2	953.5	893.4	0.0	0.0	4,011.6	3,908.7	NM	120.2	NM	1,088.3	NM	1,088.3
Maryland	190.0	190.0	166.5	163.9	0.0	0.0	590.0	590.0	142.0	142.0	0.0	0.0	1,088.5	1,085.9	629.0	509.7	795.5	673.6	795.5	673.6
North Carolina	208.0	208.0	3,264.0	2,508.5	0.0	0.0	2,002.0	2,002.0	567.4	564.1	0.0	0.0	6,041.4	5,282.6	117.6	118.4	3,381.6	2,626.9	3,381.6	2,626.9
South Carolina	0.0	0.0	233.2	19.3	0.0	0.0	1,367.7	1,361.6	530.8	530.8	0.0	0.0	2,131.7	1,911.7	134.1	64.0	367.3	83.3	367.3	83.3
Virginia	0.0	0.0	369.3	103.6	0.0	0.0	866.0	866.0	892.4	892.4	0.0	0.0	2,127.7	1,862.0	48.7	35.5	418.0	139.1	418.0	139.1
West Virginia	686.3	686.3	0.0	0.0	0.0	0.0	349.5	349.5	0.0	0.0	0.0	0.0	1,035.8	1,035.8	5.9	4.7	5.9	4.7	5.9	4.7
East South Central	29.1	29.1	447.3	158.4	0.0	0.0	7,035.7	6,957.2	1,271.6	1,214.1	0.0	0.0	8,783.7	8,358.8	88.5	78.8	535.8	237.2	535.8	237.2
Alabama	0.0	0.0	172.2	75.0	0.0	0.0	3,270.2	3,270.2	728.5	671.0	0.0	0.0	4,170.9	4,016.2	NM	NM	NM	NM	NM	NM
Kentucky	0.0	0.0	25.2	10.0	0.0	0.0	1,146.9	1,068.4	72.2	72.2	0.0	0.0	1,244.3	1,150.6	17.5	15.0	42.7	25.0	42.7	25.0
Mississippi	0.0	0.0	160.6	3.1	0.0	0.0	0.0	0.0	274.7	274.7	0.0	0.0	435.3	277.8	10.6	5.7	171.2	8.8	171.2	8.8
Tennessee	29.1	29.1	89.3	70.3	0.0	0.0	2,618.6	2,618.6	196.2	196.2	0.0	0.0	2,933.2	2,914.2	55.0	53.4	144.3	123.7	144.3	123.7
West South Central	30,427.7	27,197.2	1,337.3	598.4	0.0	0.0	2,990.3	2,988.3	1,321.6	1,325.2	0.0	0.0	36,076.9	32,109.1	635.7	388.2	1,973.0	986.6	1,973.0	986.6
Arkansas	0.0	0.0	94.0	13.0	0.0	0.0	1,266.7	1,266.7	330.4	330.4	0.0	0.0	1,691.1	1,610.1	11.0	5.7	105.0	18.7	105.0	18.7
Louisiana	0.0	0.0	1.1	0.0	0.0	0.0	192.0	192.0	490.1	490.1	0.0	0.0	683.2	682.1	132.7	120.4	133.8	120.4	133.8	120.4
Oklahoma	7,494.8	6,644.1	20.5	2.5	0.0	0.0	861.6	859.6	76.2	76.2	0.0	0.0	8,453.1	7,582.4	5.2	3.1	25.7	5.6	25.7	5.6
Texas	22,932.9	20,553.1	1,221.7	582.9	0.0	0.0	670.0	670.0	424.9	428.5	0.0	0.0	25,249.5	22,234.5	486.8	259.0	1,708.5	841.9	1,708.5	841.9
Mountain	8,832.4	8,080.2	5,490.4	5,040.3	473.9	473.9	10,561.4	10,560.4	174.3	176.1	580.3	543.3	26,112.7	24,874.2	1,944.5	1,607.5	7,434.9	6,647.8	7,908.8	7,121.7
Arizona	267.3	267.3	1,700.1	1,645.1	295.4	295.4	2,720.9	2,720.9	30.7	30.7	0.0	0.0	5,014.4	4,959.4	1,022.0	860.2	2,722.1	2,505.3	3,017.5	2,800.7
Colorado	3,101.1	3,026.1	460.3	418.7	0.0	0.0	687.4	685.0	28.7	28.7	0.0	0.0	4,277.5	4,158.5	335.4	294.0	795.7	712.7	795.7	712.7
Idaho	970.5	970.5	240.0	120.0	0.0	0.0	2,707.5	2,708.9	83.9	83.9	10.0	10.0	4,011.9	3,893.3	14.9	7.8	254.9	127.8	254.9	127.8
Montana	703.5	678.5	17.0	0.0	0.0	0.0	2,747.8	2,747.8	3.0	3.0	0.0	0.0	3,471.3	3,429.3	11.3	8.8	28.3	8.8	28.3	8.8
Nevada	150.0	150.0	1,684.6	1,495.0	178.5	178.5	1,051.4	1,051.4	9.8	9.8	495.7	458.7	3,570.0	3,343.4	233.9	209.1	1,918.5	1,704.1	2,097.0	1,882.6
New Mexico	1,764.5	1,112.3	531.3	504.4	0.0	0.0	82.9	82.9	5.4	5.6	1.6	1.6	2,385.7	1,706.8	121.5	91.9	652.8	596.3	652.8	596.3
Utah	388.2	388.2	857.1	857.1	0.0	0.0	256.4	256.4	12.8	14.4	73.0	73.0	1,587.5	1,589.1	202.0	133.3	1,059.1	990.4	1,059.1	990.4
Wyoming	1,487.3	1,487.3	0.0	0.0	0.0	0.0	307.1	307.1	0.0	0.0	0.0	0.0	1,794.4	1,794.4	3.4	2.5	3.4	2.5	3.4	2.5
Pacific Contiguous	12,134.5	11,891.7	9,912.7	8,709.7	1,284.0	1,284.0	39,951.4	39,909.3	2,021.0	2,006.0	1,863.3	1,929.3	67,166.9	65,730.0	7,058.6	5,634.9	16,971.3	14,344.6	18,255.3	15,628.6
California	5,851.2	5,658.4	9,685.5	8,609.3	1,284.0	1,284.0	10,197.7	10,190.4	1,301.9	1,293.2	1,843.8	1,909.8	30,164.1	28,945.1	6,817.4	5,433.9	16,502.9	14,043.2	17,786.9	15,327.2
Oregon	3,210.2	3,160.2	226.7	99.9	0.0	0.0	8,423.2	8,423.2	308.4	308.4	19.5	19.5	12,188.0	12,011.2	138.9	121.7	365.6	221.6	365.6	221.6
Washington	3,073.1	3,073.1	0.5	0.5	0.0	0.0	21,330.5	21,295.7	410.7	404.4	0.0	0.0	24,814.8	24,773.7	102.4	79.3	102.9	79.8	102.9	79.8
Pacific Noncontiguous	266.2	266.2	98.3	78.3	0.0	0.0	496.3	496.3	224.3	214.3	43.0	43.0	1,128.1	1,098.1	583.1	537.2	681.4	615.5	681.4	615.5
Alaska	60.6	60.6	0.0	0.0	0.0	0.0	470.4	470.4	7.0	7.0	0.0	0.0	538.0	538.0	2.2	1.6	2.2	1.6	2.2	1.6
Hawaii	205.6	205.6	98.3	78.3	0.0	0.0	25.9	25.9	217.3	207.3	43.0	43.0	590.1	560.1	580.9	535.6	679.2	613.9	679.2	613.9
U.S. Total	88,773.8	81,913.6	25,809.8	20,674.8	1,757.9	1,757.9	80,056.7	79,912.9	14,084.4	14,042.1	2,486.6	2,515.6	212,969.2	200,816.9	16,893.0	13,332.8	42,702.8	34,007.6	44,460.7	35,765.5

NM = Not meaningful due to large relative standard error.
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 small scale solar photovoltaic capacity is based on data from Form EIA-861M, 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 2018 and 2017 (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 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017	February 2018	February 2017
New England	12,129.1	12,015.6	1,112.0	1,088.9	1,147.4	1,049.7	917.3	1,955.3	0.0	0.0	6,157.5	6,591.0	0.0	0.0	21,463.3	22,700.5
Connecticut	2,601.5	2,550.4	477.6	467.3	424.6	424.6	383.4	383.4	0.0	0.0	2,483.0	2,483.0	0.0	0.0	6,370.1	6,308.7
Maine	1,250.0	1,250.0	297.1	297.1	110.5	14.5	0.0	0.0	0.0	0.0	880.9	880.9	0.0	0.0	2,538.5	2,442.5
Massachusetts	5,259.4	5,197.0	333.5	320.7	199.7	198.0	0.0	1,038.0	0.0	0.0	2,585.7	3,016.1	0.0	0.0	8,378.3	9,769.8
New Hampshire	1,231.0	1,231.0	3.8	3.8	400.2	400.2	533.9	533.9	0.0	0.0	94.0	97.1	0.0	0.0	2,262.9	2,266.0
Rhode Island	1,787.2	1,787.2	0.0	0.0	12.4	12.4	0.0	0.0	0.0	0.0	16.0	16.0	0.0	0.0	1,815.6	1,815.6
Vermont	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	97.9	97.9	0.0	0.0	97.9	97.9
Middle Atlantic	26,454.7	26,296.9	7,688.5	7,725.6	15,109.7	14,200.0	13,547.9	15,617.2	78.6	78.6	5,386.5	5,380.4	129.2	125.2	68,395.1	69,423.9
New Jersey	8,154.7	8,118.9	2,857.3	2,857.3	493.2	1,052.4	613.0	1,245.0	11.6	11.6	228.0	222.2	23.4	23.4	12,381.2	13,530.8
New York	8,178.4	8,109.3	3,151.7	3,188.8	9,687.3	9,677.3	1,640.2	1,640.2	0.0	0.0	3,549.8	3,547.3	0.0	0.0	26,207.4	26,162.9
Pennsylvania	10,121.6	10,068.7	1,679.5	1,679.5	4,929.2	3,470.3	11,294.7	12,732.0	67.0	67.0	1,608.7	1,610.9	105.8	101.8	29,806.5	29,730.2
East North Central	18,859.5	17,138.0	26,542.5	26,447.8	4,179.2	3,906.3	60,743.8	61,604.1	247.6	247.6	2,641.8	2,678.1	1,165.9	1,165.9	114,380.3	113,187.8
Illinois	3,580.2	3,576.8	10,387.3	10,313.3	288.9	290.9	14,019.0	14,015.1	0.0	0.0	674.2	684.9	114.5	114.5	29,064.1	28,995.5
Indiana	2,406.0	2,406.0	3,363.2	3,345.2	725.9	725.9	15,773.8	15,773.8	0.0	0.0	237.8	237.8	614.3	614.3	23,121.0	23,103.0
Michigan	4,421.0	4,294.5	3,977.6	3,977.7	2,392.0	2,134.7	9,266.2	9,414.2	47.2	47.2	490.4	498.4	250.0	250.0	20,844.4	20,616.7
Ohio	5,704.0	4,117.8	5,442.1	5,431.7	181.8	157.3	14,536.0	15,263.6	142.0	142.0	635.0	640.0	187.1	187.1	26,828.0	25,939.5
Wisconsin	2,748.3	2,742.9	3,372.3	3,379.9	590.6	597.5	7,148.8	7,137.4	58.4	58.4	604.4	617.0	0.0	0.0	14,522.8	14,533.1
West North Central	6,635.0	5,988.3	11,528.5	11,378.7	4,344.2	4,369.3	34,245.4	34,813.2	32.0	32.0	3,907.8	4,039.9	8.4	8.4	60,701.3	60,629.8
Iowa	1,774.7	1,121.1	1,266.6	1,192.9	655.6	675.2	5,391.4	5,548.8	32.0	32.0	798.1	961.7	0.0	0.0	9,918.4	9,531.7
Kansas	266.0	266.0	2,154.0	2,154.0	2,109.9	2,113.2	4,714.2	4,714.2	0.0	0.0	550.6	542.0	0.0	0.0	9,794.7	9,789.4
Minnesota	2,172.0	2,172.0	2,454.9	2,437.9	275.8	375.1	4,309.4	4,309.4	0.0	0.0	790.9	794.9	0.0	0.0	10,003.0	10,089.3
Missouri	1,789.7	1,796.6	3,399.6	3,420.5	598.1	501.0	11,503.8	11,726.1	0.0	0.0	1,155.1	1,134.2	0.0	0.0	18,446.3	18,578.4
Nebraska	342.6	342.6	1,150.8	1,150.8	584.5	584.5	3,817.3	3,817.3	0.0	0.0	321.3	320.3	0.0	0.0	6,216.5	6,215.5
North Dakota	0.0	0.0	408.0	328.0	111.6	111.6	4,035.3	4,223.4	0.0	0.0	67.3	62.3	8.4	8.4	4,630.6	4,733.7
South Dakota	290.0	290.0	694.6	694.6	8.7	8.7	474.0	474.0	0.0	0.0	224.5	224.5	0.0	0.0	1,691.8	1,691.8
South Atlantic	52,544.5	51,828.5	32,402.8	32,359.1	7,266.0	7,272.8	55,196.3	56,870.7	83.8	83.8	10,408.2	10,522.6	135.0	135.0	158,036.6	159,072.5
Delaware	1,512.0	1,512.0	317.2	315.2	843.1	878.1	410.0	410.0	0.0	0.0	114.1	114.1	135.0	135.0	3,331.4	3,364.4
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	27,342.7	27,392.7	8,506.3	8,556.3	2,475.1	2,469.3	8,629.0	9,881.0	0.0	0.0	4,970.0	4,974.0	0.0	0.0	51,923.1	53,273.3
Georgia	7,963.9	7,963.9	7,787.2	7,787.2	796.4	796.4	9,360.5	9,360.5	83.8	83.8	946.6	946.6	0.0	0.0	26,938.4	26,938.4
Maryland	976.0	976.0	1,957.6	1,966.2	1,414.2	1,414.2	4,712.0	4,712.0	0.0	0.0	1,218.9	1,218.9	0.0	0.0	10,278.7	10,287.3
North Carolina	4,724.8	4,724.8	6,045.1	5,957.7	0.0	0.0	10,536.8	10,536.8	0.0	0.0	337.6	396.6	0.0	0.0	21,644.3	21,615.9
South Carolina	2,399.0	2,399.0	2,814.8	2,801.9	546.0	546.0	5,212.0	5,212.0	0.0	0.0	463.4	513.4	0.0	0.0	11,435.2	11,472.3
Virginia	7,626.1	6,860.1	3,894.3	3,894.3	1,068.2	1,045.8	3,778.0	3,800.4	0.0	0.0	2,346.6	2,348.0	0.0	0.0	18,713.2	17,948.6
West Virginia	0.0	0.0	1,071.3	1,071.3	123.0	123.0	12,558.0	12,958.0	0.0	0.0	11.0	11.0	0.0	0.0	13,763.3	14,163.3
East South Central	20,476.2	19,097.9	12,646.9	13,002.4	5,371.9	5,371.9	26,536.5	28,210.5	0.0	0.0	142.0	142.0	19.8	19.8	65,193.3	65,844.5
Alabama	9,471.9	9,441.4	2,532.2	2,532.2	1,941.4	1,941.4	6,283.4	6,283.4	0.0	0.0	42.6	42.6	19.8	19.8	20,291.3	20,260.8
Kentucky	1,763.0	663.0	4,976.6	4,976.6	260.0	260.0	11,862.8	13,092.8	0.0	0.0	11.9	11.9	0.0	0.0	18,874.3	19,004.3
Mississippi	7,838.3	7,590.5	1,357.6	1,718.9	3,104.3	3,104.3	1,804.0	1,820.0	0.0	0.0	44.3	44.3	0.0	0.0	14,148.5	14,278.0
Tennessee	1,403.0	1,403.0	3,780.5	3,774.7	66.2	66.2	6,586.3	7,014.3	0.0	0.0	43.2	43.2	0.0	0.0	11,879.2	12,301.4
West South Central	60,726.5	58,025.8	13,978.8	13,430.9	31,289.3	31,986.3	32,117.2	36,423.7	957.9	955.7	175.2	181.3	655.3	655.3	139,900.2	141,659.0
Arkansas	4,620.5	4,620.5	702.8	702.8	793.7	793.7	5,116.0	5,116.0	0.0	0.0	12.2	12.2	0.0	0.0	11,245.2	11,245.2
Louisiana	7,549.5	7,552.8	2,360.3	2,372.8	6,549.6	6,829.9	2,832.6	2,852.9	894.1	891.9	43.7	45.5	407.4	407.4	20,637.2	20,953.2
Oklahoma	7,296.5	6,783.7	1,684.9	1,295.2	4,745.5	5,164.9	4,852.6	4,865.8	0.0	0.0	74.4	74.4	0.0	0.0	18,653.9	18,184.0
Texas	41,260.0	39,068.8	9,230.8	9,060.1	19,200.5	19,197.8	19,316.0	23,589.0	63.8	63.8	44.9	49.2	247.9	247.9	89,363.9	91,276.6
Mountain	22,483.8	22,483.8	8,638.9	8,659.0	3,663.9	3,341.9	26,989.0	28,624.6	52.0	52.0	356.3	370.8	107.4	111.6	62,291.3	63,643.7
Arizona	9,891.6	9,891.6	2,367.6	2,367.6	1,303.6	1,303.6	5,754.0	5,754.0	0.0	0.0	90.5	90.5	0.0	0.0	19,407.3	19,407.3
Colorado	3,240.5	3,240.5	2,572.3	2,572.3	639.0	329.0	4,499.0	5,035.0	0.0	0.0	168.4	168.4	0.0	0.0	11,119.2	11,345.2
Idaho	547.7	547.7	552.0	562.1	14.0	14.0	8.5	8.5	0.0	0.0	5.4	5.4	0.0	0.0	1,127.6	1,137.7
Montana	0.0	0.0	321.6	321.6	72.2	72.2	2,293.1	2,293.1	52.0	52.0	0.0	0.0	1.5	1.5	2,740.4	2,740.4
Nevada	5,415.0	5,415.0	1,185.6	1,185.6	444.6	444.6	740.4	997.4	0.0	0.0	6.0	6.0	0.0	0.0	7,791.6	8,048.6
New Mexico	1,465.0	1,465.0	966.0	976.0	849.4	849.4	2,634.0	3,471.0	0.0	0.0	52.4	66.9	0.0	0.0	5,966.8	6,828.3
Utah	1,830.0	1,830.0	520.2	520.2	328.2	316.2	4,654.0	4,654.0	0.0	0.0	27.8	27.8	0.0	0.0	7,360.2	7,348.2
Wyoming	94.0	94.0	153.6	153.6	12.9	12.9	6,406.0	6,411.6	0.0	0.0	5.8	5.8	105.9	110.1	6,778.2	6,788.0
Pacific Contiguous	25,965.3	25,979.2	11,531.8	11,790.3	8,447.0	8,983.0	1,982.0	1,982.0	17.0	17.0	470.9	485.3	251.8	229.3	48,665.8	49,466.1
California	19,936.8	19,962.8	10,678.6	10,937.1	8,191.0	8,727.0	57.0	57.0	17.0	17.0	455.7	470.1	251.8	229.3	39,587.9	40,400.3
Oregon	3,374.9	3,374.9	133.8	133.8	224.4	224.4	585.0	585.0	0.0	0.0	0.0	0.0	0.0	0.0	4,318.1	4,318.1
Washington	2,653.6	2,641.5	719.4	719.4	31.6	31.6	1,340.0	1,340.0	0.0	0.0	15.2	15.2	0.0	0.0	4,759.8	4,747.7
Pacific Noncontiguous	479.2	479.2	626.3	626.3	175.0	175.0	313.3	333.8	0.0	0.0	2,601.0	2,595.9	6.4	6.4	4,201.2	4,216.6
Alaska	479.2	479.2	626.3	626.3	175.0	175.0	133.3	153.8	0.0	0.0	729.1	725.1	0.0	0.0	2,142.9	2,159.4
Hawaii	0.0	0.0	0.0	0.0	0.0	0.0	180.0	180.0	0.0	0.0	1,871.9	1,870.8	6.4	6.4	2,058.3	2,057.2
U.S. Total	246,753.8	239,333.2	126,697.0	126,509.0	80,993.6	80,656.2	252,588.7	266,435.1	1,468.9	1,466.7	32,247.2	32,987.3	2,479.2	2,456.9	743,228.4	749,844.4

NM = Not meaningful due to large relative standard error.
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, 2018

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2018	1	60118	83WI 8ME, LLC	IPP	Midway Solar Farm 1	CA	60336	MSF1	50.0	Solar Photovoltaic	SUN	PV
2018	1	60571	AEP Onsite Partners	IPP	Porter Way Community Solar Garden	MN	61500	PV1	3.0	Solar Photovoltaic	SUN	PV
2018	1	221	Alaska Village Elec Coop, Inc	Electric Utility	Brevig Mission	AK	60260	3A	0.4	Petroleum Liquids	DFO	IC
2018	1	56769	Consolidated Edison Development Inc.	IPP	Panoche Valley Solar Farm	CA	57340	1	240.0	Solar Photovoltaic	SUN	PV
2018	1	4254	Consumers Energy Co	Electric Utility	Cross Winds Energy Park	MI	58830	CWEP2	44.0	Onshore Wind Turbine	WND	WT
2018	1	61060	Cypress Creek Renewables	IPP	LeSun CSG, LLC	MN	61544	GEN1	5.0	Solar Photovoltaic	SUN	PV
2018	1	61060	Cypress Creek Renewables	IPP	WrightSun CSG, LLC	MN	61547	GEN1	5.0	Solar Photovoltaic	SUN	PV
2018	1	60370	DG AMP Solar, LLC	IPP	DG AMP Solar Versailles	OH	61437	AMPVS	1.8	Solar Photovoltaic	SUN	PV
2018	1	61187	DG Minnesota CSG, LLC	IPP	Scandia CSG	MN	61585	40802	1.0	Solar Photovoltaic	SUN	PV
2018	1	61187	DG Minnesota CSG, LLC	IPP	Scandia CSG	MN	61585	40803	1.0	Solar Photovoltaic	SUN	PV
2018	1	61187	DG Minnesota CSG, LLC	IPP	Scandia CSG	MN	61585	40804	1.0	Solar Photovoltaic	SUN	PV
2018	1	61187	DG Minnesota CSG, LLC	IPP	Scandia CSG	MN	61585	40805	1.0	Solar Photovoltaic	SUN	PV
2018	1	61187	DG Minnesota CSG, LLC	IPP	Scandia CSG	MN	61585	40806	1.0	Solar Photovoltaic	SUN	PV
2018	1	56215	E ON Climate Renewables N America LLC	IPP	Pyron Wind Farm LLC	TX	56981	PYRBT	9.9	Batteries	MWH	BA
2018	1	57249	EPP Renewable Energy	IPP	Haworth Water Treatment Plant	NJ	56701	GEN5	3.9	Petroleum Liquids	DFO	IC
2018	1	57249	EPP Renewable Energy	IPP	Haworth Water Treatment Plant	NJ	56701	GEN6	3.9	Petroleum Liquids	DFO	IC
2018	1	60853	ET CAP OR HOLDINGS LLC	IPP	OR Solar 5, LLC	OR	61423	PV1	8.0	Solar Photovoltaic	SUN	PV
2018	1	61015	ETCAP NES CS MN 08 LLC	IPP	Johnson Solar	MN	61380	JOHN1	1.0	Solar Photovoltaic	SUN	PV
2018	1	61015	ETCAP NES CS MN 08 LLC	IPP	Johnson Solar	MN	61380	JOHN2	1.0	Solar Photovoltaic	SUN	PV
2018	1	61015	ETCAP NES CS MN 08 LLC	IPP	Johnson Solar	MN	61380	JOHN3	1.0	Solar Photovoltaic	SUN	PV
2018	1	61015	ETCAP NES CS MN 08 LLC	IPP	Johnson Solar	MN	61380	JOHN4	1.0	Solar Photovoltaic	SUN	PV
2018	1	61015	ETCAP NES CS MN 08 LLC	IPP	Johnson Solar	MN	61380	JOHN5	1.0	Solar Photovoltaic	SUN	PV
2018	1	59218	East. Michigan Univ. Heating Plant	Commercial	East. Michigan Univ. Heating Plant	MI	59452	COGN2	6.8	Natural Gas Fired Combustion Turbine	NG	GT
2018	1	6452	Florida Power & Light Co	Electric Utility	Coral Farms Solar Energy Center	FL	61022	1	74.5	Solar Photovoltaic	SUN	PV
2018	1	6452	Florida Power & Light Co	Electric Utility	Horizon Solar Energy Center	FL	61021	1	74.5	Solar Photovoltaic	SUN	PV
2018	1	6452	Florida Power & Light Co	Electric Utility	Indian River Solar Center	FL	61020	1	74.5	Solar Photovoltaic	SUN	PV
2018	1	6452	Florida Power & Light Co	Electric Utility	Wildflower Solar Energy Center	FL	61050	1	74.5	Solar Photovoltaic	SUN	PV
2018	1	7140	Georgia Power Co	Electric Utility	Comer Solar	GA	61554	1	2.0	Solar Photovoltaic	SUN	PV
2018	1	59462	Heelstone Energy Holdings, LLC	IPP	Chiloquin Solar, LLC	OR	61631	CHILO	9.9	Solar Photovoltaic	SUN	PV
2018	1	12341	MidAmerican Energy Co	IPP	Prairie Wind Farm	IA	60873	PWE	168.0	Onshore Wind Turbine	WND	WT
2018	1	61227	Nautilus Solar Solutions	IPP	Kilroy Solar	CA	61628	KILRO	1.1	Solar Photovoltaic	SUN	PV
2018	1	60644	OEE XXIV LLC	Industrial	Whirlpool Corporation - Ottawa Wind Farm	OH	61004	W1	1.5	Onshore Wind Turbine	WND	WT
2018	1	49748	ORCAL Geothermal, Inc	IPP	Heber Geothermal	CA	54689	4	16.0	Geothermal	GEO	BT
2018	1	60882	Red Dirt Wind Project, LLC	IPP	Red Dirt Wind Project	OK	61270	RDDRT	299.3	Onshore Wind Turbine	WND	WT
2018	1	60520	SoCore Energy LLC	IPP	Gopher CSG	MN	61426	PV1	5.0	Solar Photovoltaic	SUN	PV
2018	1	60520	SoCore Energy LLC	IPP	Lahr 1, LLC	MN	61203	PV1	5.0	Solar Photovoltaic	SUN	PV
2018	1	60520	SoCore Energy LLC	IPP	Nesvold Watertown Solar	MN	60958	PV1	1.0	Solar Photovoltaic	SUN	PV
2018	1	60520	SoCore Energy LLC	IPP	Nesvold Watertown Solar	MN	60958	PV2	1.0	Solar Photovoltaic	SUN	PV
2018	1	60520	SoCore Energy LLC	IPP	Nesvold Watertown Solar	MN	60958	PV3	1.0	Solar Photovoltaic	SUN	PV
2018	1	60520	SoCore Energy LLC	IPP	Nesvold Watertown Solar	MN	60958	PV4	1.0	Solar Photovoltaic	SUN	PV
2018	1	60520	SoCore Energy LLC	IPP	Nesvold Watertown Solar	MN	60958	PV5	1.0	Solar Photovoltaic	SUN	PV
2018	1	60520	SoCore Energy LLC	IPP	Taylors Falls CSG	MN	61428	PV1	5.0	Solar Photovoltaic	SUN	PV
2018	1	60871	Stuttgart Solar, LLC	IPP	Stuttgart Solar	AR	61262	STGRT	81.0	Solar Photovoltaic	SUN	PV
2018	1	60881	Thunder Ranch Wind Project, LLC	IPP	Thunder Ranch Wind Project	OK	61269	WT1	297.8	Onshore Wind Turbine	WND	WT
2018	1	24431	Utah Municipal Power Agency	Electric Utility	Provo Power Plant	UT	61508	1	2.4	Natural Gas Internal Combustion Engine	NG	IC
2018	1	24431	Utah Municipal Power Agency	Electric Utility	Provo Power Plant	UT	61508	2	2.4	Natural Gas Internal Combustion Engine	NG	IC
2018	1	24431	Utah Municipal Power Agency	Electric Utility	Provo Power Plant	UT	61508	3	2.4	Natural Gas Internal Combustion Engine	NG	IC
2018	1	24431	Utah Municipal Power Agency	Electric Utility	Provo Power Plant	UT	61508	4	2.4	Natural Gas Internal Combustion Engine	NG	IC
2018	1	24431	Utah Municipal Power Agency	Electric Utility	Provo Power Plant	UT	61508	5	2.4	Natural Gas Internal Combustion Engine	NG	IC
2018	2	61105	ABEC #2 LLC	IPP	ABEC #2 dba West-Star Dairy	CA	61501	GEN1	1.0	Other Waste Biomass	OBG	IC
2018	2	61106	ABEC #3 LLC	IPP	ABEC #3 dba Lakeview Dairy	CA	61502	GEN1	1.0	Other Waste Biomass	OBG	IC
2018	2	61107	ABEC #4 LLC	IPP	ABEC #4 dba CE&S Dairy	CA	61503	GEN1	1.0	Other Waste Biomass	OBG	IC
2018	2	61344	Advanced Microgrid Solutions	IPP	HEBT Irvine 2	CA	61723	IRV2W	3.3	Batteries	MWH	BA
2018	2	59247	Bearford Solar II, LLC	IPP	Bearford Solar II	NC	59488	BEARF	4.9	Solar Photovoltaic	SUN	PV
2018	2	61006	Bearkat TE Partnership LLC	IPP	Bearkat	TX	59972	BRKAT	360.0	Onshore Wind Turbine	WND	WT
2018	2	60827	Carina Community Solar	IPP	Carina Community Solar	MN	61179	JCCS1	0.9	Solar Photovoltaic	SUN	PV
2018	2	60827	Carina Community Solar	IPP	Carina Community Solar	MN	61179	JCCS2	0.9	Solar Photovoltaic	SUN	PV
2018	2	60827	Carina Community Solar	IPP	Carina Community Solar	MN	61179	JCCS3	0.9	Solar Photovoltaic	SUN	PV
2018	2	60827	Carina Community Solar	IPP	Carina Community Solar	MN	61179	JCCS4	0.9	Solar Photovoltaic	SUN	PV
2018	2	56769	Consolidated Edison Development Inc.	IPP	Big Timber Wind Farm	MT	61155	BT-MT	25.0	Onshore Wind Turbine	WND	WT
2018	2	60370	DG AMP Solar, LLC	IPP	DG AMP Solar Coldwater	MI	61435	AMPCW	1.3	Solar Photovoltaic	SUN	PV
2018	2	60370	DG AMP Solar, LLC	IPP	DG AMP Solar Jackson Center	OH	61438	AMPJC	1.6	Solar Photovoltaic	SUN	PV
2018	2	60370	DG AMP Solar, LLC	IPP	DG AMP Solar Orrville 3	OH	61436	AMPO3	2.3	Solar Photovoltaic	SUN	PV
2018	2	57249	EPP Renewable Energy	IPP	Pennsauken Solar	NJ	56883	GEN10	2.4	Solar Photovoltaic	SUN	PV
2018	2	7140	Georgia Power Co	Electric Utility	Marine Corps Logistics Base Solar	GA	59876	1	31.0	Solar Photovoltaic	SUN	PV
2018	2	61171	Lake Waconia Solar IV LLC	IPP	Lake Waconia IV Community Solar Garden	MN	61573	40926	1.0	Solar Photovoltaic	SUN	PV
2018	2	61170	Lake Waconia Solar LLC	IPP	Lake Waconia Community Solar Garden	MN	61572	38610	1.0	Solar Photovoltaic	SUN	PV

Table 6.3. New Utility Scale Generating Units by Operating Company, Plant, and Month, 2018

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2018	2	60830	Lyra Community Solar	IPP	Lyra Community Solar	MN	61182	RLCS1	0.9	Solar Photovoltaic	SUN	PV
2018	2	60830	Lyra Community Solar	IPP	Lyra Community Solar	MN	61182	RLCS2	0.9	Solar Photovoltaic	SUN	PV
2018	2	60830	Lyra Community Solar	IPP	Lyra Community Solar	MN	61182	RLCS3	0.9	Solar Photovoltaic	SUN	PV
2018	2	61156	NMRD Data Center, LLC	IPP	Facebook 2 Solar Energy Center	NM	61557	FB2	10.0	Solar Photovoltaic	SUN	PV
2018	2	17470	PUD 1 of Snohomish County	Electric Utility	Calligan Creek Hydroelectric Project	WA	60418	CC6MW	6.0	Conventional Hydroelectric	WAT	HY
2018	2	17470	PUD 1 of Snohomish County	Electric Utility	Hancock Creek Hydroelectric Project	WA	60517	HY1	6.0	Conventional Hydroelectric	WAT	HY
2018	2	60755	Phelps 158 Solar Farm, LLC	IPP	Phelps 158 Solar Farm	NC	61134	15800	5.0	Solar Photovoltaic	SUN	PV
2018	2	60947	Tesla Inc.	IPP	Greene County Meter #1	NY	60463	PV1	1.6	Solar Photovoltaic	SUN	PV
2018	2	61168	Veseli Solar I LLC	IPP	Veseli Community Solar Garden	MN	61570	40921	1.0	Solar Photovoltaic	SUN	PV
2018	2	61144	WasecaSun, LLC	IPP	WasecaSun	MN	61142	0000H	3.4	Solar Photovoltaic	SUN	PV
2018	2	61144	WasecaSun, LLC	IPP	WasecaSun	MN	61142	WASE2	1.0	Solar Photovoltaic	SUN	PV
2018	2	61144	WasecaSun, LLC	IPP	WasecaSun	MN	61142	WASE3	1.0	Solar Photovoltaic	SUN	PV
2018	2	61144	WasecaSun, LLC	IPP	WasecaSun	MN	61142	WASE4	1.0	Solar Photovoltaic	SUN	PV
2018	2	61144	WasecaSun, LLC	IPP	WasecaSun	MN	61142	WASE5	1.0	Solar Photovoltaic	SUN	PV

NOTES:

Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this table.

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, 2018

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2018	1	221	Alaska Village Elec Coop, Inc	Electric Utility	Brevig Mission	AK	60260	3	0.5	Petroleum Liquids	DFO	IC
2018	1	9617	JEA	Electric Utility	St Johns River Power Park	FL	207	1	626.0	Conventional Steam Coal	BIT	ST
2018	1	9617	JEA	Electric Utility	St Johns River Power Park	FL	207	2	626.0	Conventional Steam Coal	BIT	ST
2018	1	55983	Luminant Generation Company LLC	IPP	Monticello	TX	6147	1	535.0	Conventional Steam Coal	SUB	ST
2018	1	55983	Luminant Generation Company LLC	IPP	Monticello	TX	6147	2	535.0	Conventional Steam Coal	SUB	ST
2018	1	55983	Luminant Generation Company LLC	IPP	Monticello	TX	6147	3	795.0	Conventional Steam Coal	SUB	ST
2018	1	55983	Luminant Generation Company LLC	IPP	Sandow No 4	TX	6648	4	600.0	Conventional Steam Coal	LIG	ST
2018	1	55983	Luminant Generation Company LLC	IPP	Sandow No 5	TX	52071	5	600.0	Conventional Steam Coal	LIG	ST
2018	1	58247	National Centers for Animal Health	Commercial	NCAH Central Utility Plant	IA	58265	S-7A	1.0	Natural Gas Fired Combustion Turbine	NG	GT
2018	1	5677	Waste Energy Services Inc	Electric CHP	Waste Energy Services	MI	50077	CAT1	0.5	Landfill Gas	LFG	IC
2018	1	5677	Waste Energy Services Inc	Electric CHP	Waste Energy Services	MI	50077	CAT2	0.3	Landfill Gas	LFG	IC
2018	1	5677	Waste Energy Services Inc	Electric CHP	Waste Energy Services	MI	50077	CAT3	0.3	Landfill Gas	LFG	IC
2018	1	5677	Waste Energy Services Inc	Electric CHP	Waste Energy Services	MI	50077	CAT4	0.3	Landfill Gas	LFG	IC
2018	2	55983	Luminant Generation Company LLC	IPP	Big Brown	TX	3497	1	606.0	Conventional Steam Coal	SUB	ST
2018	2	55983	Luminant Generation Company LLC	IPP	Big Brown	TX	3497	2	602.0	Conventional Steam Coal	SUB	ST
2018	2	15908	NRG California South LP	IPP	Mandalay	CA	345	03	130.0	Natural Gas Fired Combustion Turbine	NG	GT
2018	2	15908	NRG California South LP	IPP	Mandalay	CA	345	1	215.0	Natural Gas Steam Turbine	NG	ST
2018	2	15908	NRG California South LP	IPP	Mandalay	CA	345	2	215.0	Natural Gas Steam Turbine	NG	ST
2018	2	17633	Southern Indiana Gas & Elec Co	Electric Utility	Broadway (IN)	IN	1011	1	50.0	Natural Gas Fired Combustion Turbine	NG	GT
2018	2	57305	Wright Patterson AFB	Commercial	Heat Plant 770	OH	57926	HP	0.0	Natural Gas Steam Turbine	NG	ST
2018	2	57305	Wright Patterson AFB	Commercial	Heat Plant 770	OH	57926	LP	0.0	Natural Gas Steam Turbine	NG	ST

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this table.
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)
2018	3	60571	AEP Onsite Partners	IPP	Sherburne Community Solar	MN	61672	PV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2018	3	60831	Argo Navis Community Solar	IPP	Argo Navis Community Solar	MN	61183	UACS1	0.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.9
2018	3	60831	Argo Navis Community Solar	IPP	Argo Navis Community Solar	MN	61183	UACS2	0.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.9
2018	3	60831	Argo Navis Community Solar	IPP	Argo Navis Community Solar	MN	61183	UACS3	0.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.9
2018	3	59777	Buckthorn Westex, LLC	IPP	Buckthorn Solar 1	TX	60044	BKTH1	202.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	202.0
2018	3	60655	Bullock Road Solar 1, LLC	IPP	Bullock Road Solar 1	MA	61010	BULLO	3.9	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	3.9
2018	3	60533	Carl Friedrich Gauss Solar LLC	IPP	Carl Friedrich Gauss Solar	NC	60882	GAUSS	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2018	3	18947	City of Tipton - (IA)	Electric Utility	Tipton	IA	8106	7	2.0	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	2.0
2018	3	61060	Cypress Creek Renewables	IPP	Gaston Solar I - SC	SC	61530	GEN1	10.2	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	10.2
2018	3	61060	Cypress Creek Renewables	IPP	Mustang Solar	NC	61533	GEN1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2018	3	60968	Delphinus Community Solar	IPP	Delphinus Community Solar	MN	61329	QDCS1	0.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	3	60968	Delphinus Community Solar	IPP	Delphinus Community Solar	MN	61329	QDCS2	0.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	3	58889	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	5501	3.0	All Other	OTH	OT	(TS) Construction complete, but not yet in commercial operation	3.0
2018	3	58889	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	5502	1.3	All Other	OTH	OT	(TS) Construction complete, but not yet in commercial operation	1.3
2018	3	58889	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	5511	1.7	All Other	OTH	OT	(TS) Construction complete, but not yet in commercial operation	1.7
2018	3	58889	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	5EG	1.0	Petroleum Liquids	DFO	IC	(TS) Construction complete, but not yet in commercial operation	1.0
2018	3	58889	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	5STA	40.0	Natural Gas Fired Combined Cycle	NG	CA	(TS) Construction complete, but not yet in commercial operation	65.0
2018	3	58889	Dominion Cove Point LNG, LP	Commercial	Cove Point LNG Terminal	MD	59073	5STB	40.0	Natural Gas Fired Combined Cycle	NG	CA	(TS) Construction complete, but not yet in commercial operation	65.0
2018	3	5310	Doswell Ltd Partnership	IPP	Doswell Energy Center	VA	52019	GEN8	150.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	187.0
2018	3	5310	Doswell Ltd Partnership	IPP	Doswell Energy Center	VA	52019	GEN9	150.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	187.0
2018	3	5416	Duke Energy Carolinas, LLC	Electric Utility	W S Lee	SC	3264	CT11	230.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	243.0
2018	3	5416	Duke Energy Carolinas, LLC	Electric Utility	W S Lee	SC	3264	CT12	230.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	243.0
2018	3	5416	Duke Energy Carolinas, LLC	Electric Utility	W S Lee	SC	3264	ST10	293.0	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	362.0
2018	3	61228	Dundas Solar Holdings LLC	IPP	Dundas Solar Holdings LLC	MN	61626	DU	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2018	3	60853	ET CAP OR HOLDINGS LLC	IPP	OR Solar 8, LLC	OR	61424	PV1	10.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	10.0
2018	3	60904	ETCAP NES CS MN 06 LLC	IPP	Armstrong Solar	MN	61138	0000A	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2018	3	58970	Ecoplexus, Inc	IPP	Cottage Grove CSG, LLC	MN	61483	CTGR1	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2018	3	58970	Ecoplexus, Inc	IPP	Cottage Grove CSG, LLC	MN	61483	CTGR2	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2018	3	58970	Ecoplexus, Inc	IPP	Cottage Grove CSG, LLC	MN	61483	CTGR3	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2018	3	58970	Ecoplexus, Inc	IPP	Cottage Grove CSG, LLC	MN	61483	CTGR4	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2018	3	58970	Ecoplexus, Inc	IPP	Cottage Grove CSG, LLC	MN	61483	CTGR5	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2018	3	58970	Ecoplexus, Inc	IPP	Fox CSG, LLC	MN	61484	FOX1	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2018	3	58970	Ecoplexus, Inc	IPP	Fox CSG, LLC	MN	61484	FOX2	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2018	3	58970	Ecoplexus, Inc	IPP	Fox CSG, LLC	MN	61484	FOX3	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2018	3	58970	Ecoplexus, Inc	IPP	Fox CSG, LLC	MN	61484	FOX4	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2018	3	58970	Ecoplexus, Inc	IPP	Fox CSG, LLC	MN	61484	FOX5	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2018	3	58970	Ecoplexus, Inc	IPP	SunE Feely 1 CSG, LLC	MN	61478	FELY1	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2018	3	58970	Ecoplexus, Inc	IPP	SunE Feely 1 CSG, LLC	MN	61478	FELY2	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2018	3	58970	Ecoplexus, Inc	IPP	SunE Feely 1 CSG, LLC	MN	61478	FELY3	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2018	3	58970	Ecoplexus, Inc	IPP	SunE Feely 1 CSG, LLC	MN	61478	FELY4	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2018	3	58970	Ecoplexus, Inc	IPP	SunE Feely 1 CSG, LLC	MN	61478	FELY5	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2018	3	58970	Ecoplexus, Inc	IPP	SunE Stolee CSG, LLC	MN	61485	STOL1	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2018	3	58970	Ecoplexus, Inc	IPP	SunE Stolee CSG, LLC	MN	61485	STOL2	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2018	3	58970	Ecoplexus, Inc	IPP	SunE Stolee CSG, LLC	MN	61485	STOL3	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2018	3	58970	Ecoplexus, Inc	IPP	Wyoming 2 CSG, LLC	MN	61486	WY01	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2018	3	58970	Ecoplexus, Inc	IPP	Wyoming 2 CSG, LLC	MN	61486	WY02	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2018	3	58970	Ecoplexus, Inc	IPP	Wyoming 2 CSG, LLC	MN	61486	WY03	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2018	3	58970	Ecoplexus, Inc	IPP	Wyoming 2 CSG, LLC	MN	61486	WY04	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2018	3	58970	Ecoplexus, Inc	IPP	Wyoming 2 CSG, LLC	MN	61486	WY05	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2018	3	60844	Flat Top Wind I, LLC	IPP	Flat Top Wind I	TX	61212	FTWI	200.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	200.0
2018	3	6452	Florida Power & Light Co	Electric Utility	Barefoot Bay Solar Energy Center	FL	61051	1	74.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	74.5
2018	3	6452	Florida Power & Light Co	Electric Utility	Blue Cypress Solar Energy Center	FL	61029	1	74.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	74.5
2018	3	6452	Florida Power & Light Co	Electric Utility	Hammock Solar	FL	61024	1	74.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	74.5
2018	3	6452	Florida Power & Light Co	Electric Utility	Loggerhead Solar Energy Center	FL	61052	1	74.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	74.5
2018	3	60556	Fusion Solar Centre, L.L.C	IPP	Fusion Solar Center LLC	CT	58876	PV	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2018	3	59633	Great Bay Solar I LLC	IPP	Great Bay Solar 1	MD	59851	GBS01	57.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	150.0
2018	3	19547	Hawaiian Electric Co Inc	Electric Utility	Schofield Generating Station	HI	60328	S1	8.4	Other Waste Biomass	OBL	IC	(U) Under construction, less than or equal to 50 percent complete	8.4
2018	3	19547	Hawaiian Electric Co Inc	Electric Utility	Schofield Generating Station	HI	60328	S2	8.4	Other Waste Biomass	OBL	IC	(U) Under construction, less than or equal to 50 percent complete	8.4
2018	3	19547	Hawaiian Electric Co Inc	Electric Utility	Schofield Generating Station	HI	60328	S3	8.4	Other Waste Biomass	OBL	IC	(U) Under construction, less than or equal to 50 percent complete	8.4
2018	3	19547	Hawaiian Electric Co Inc	Electric Utility	Schofield Generating Station	HI	60328	S4	8.4	Other Waste Biomass	OBL	IC	(U) Under construction, less than or equal to 50 percent complete	8.4
2018	3	19547	Hawaiian Electric Co Inc	Electric Utility	Schofield Generating Station	HI	60328	S5	8.4	Other Waste Biomass	OBL	IC	(U) Under construction, less than or equal to 50 percent complete	8.4
2018	3	19547	Hawaiian Electric Co Inc	Electric Utility	Schofield Generating Station	HI	60328	S6	8.4	Other Waste Biomass	OBL	IC	(U) Under construction, less than or equal to 50 percent complete	8.4
2018	3	49893	Invenergy Services LLC	IPP	Lackawanna Energy Center	PA	60357	GEN1	465.0	Natural Gas Fired Combined Cycle	NG	CS	(V) Under construction, more than 50 percent complete	555.0
2018	3	49893	Invenergy Services LLC	IPP	Shoreham Solar Commons	NY	60045	GEN1	24.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	24.9
2018	3	60713	Ku'ia Solar LLC	IPP	Ku'ia Solar	HI	61101	KUIA	2.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.9
2018	3	61102	Minnesota Solar CSG 8, LLC	IPP	Carver Gladden	MN	61495	42254	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	3	61102	Minnesota Solar CSG 8, LLC	IPP	Carver Gladden	MN	61495	42255	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	3	61102	Minnesota Solar CSG 8, LLC	IPP	Carver Gladden	MN	61495	42256	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	3	61211	Montgomery County Solar	Commercial	Montgomery County Solar	MD	61608	1	1.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.9
2018	3	54888	NRG Texas Power LLC	IPP	Bacliff	TX	60264	BCGT1	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(TS) Construction complete, but not yet in commercial operation	71.2
2018	3	54888	NRG Texas Power LLC	IPP	Bacliff	TX	60264	BCGT2	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(TS) Construction complete, but not yet in commercial operation	71.2
2018	3	54888	NRG Texas Power LLC	IPP	Bacliff	TX	60264	BCGT3	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(TS) Construction complete, but not yet in commercial operation	71.2
2018	3	54888	NRG Texas Power LLC	IPP	Bacliff	TX	60264	BCGT4	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(TS) Construction complete, but not yet in commercial operation	71.2
2018	3	54888	NRG Texas Power LLC	IPP	Bacliff	TX	60264	BCGT5	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(TS) Construction complete, but not yet in commercial operation	71.2
2018	3	54888	NRG Texas Power LLC	IPP	Bacliff	TX	60264	BCGT6	60.0	Natural Gas Fired Combustion Turbine	NG	GT	(TS) Construction complete, but not yet in commercial operation	71.2
2018	3	61169	New Germany Solar I LLC	IPP	New Germany Community Solar Garden	MN	61571	39062	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	3	60635	Northern Cardinal Solar LLC	IPP	Northern Cardinal Solar	NC	60992	NCARD	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
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	(V) Under construction, more than 50 percent complete	238.0
2018	3	60685	Novel Energy Solutions	IPP	Novel - OYA of Mapleton	MN	61060	0000I	3.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.5
2018	3	60685	Novel Energy Solutions	IPP	Novel CSG of MN Lake	MN	61140	0000D	1.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.8
2018	3	60685	Novel Energy Solutions	IPP	Novel CSG of Vetter Farms	MN	61141	0000F	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2018	3	60685	Novel Energy Solutions	IPP	Novel OYA of Osakis	MN	61059	0000G	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2018	3	60996	OEE XXV LLC	Industrial	Valfilm Wind Project	OH	61356	W1	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2018	3	60996	OEE XXV LLC	Industrial	Valfilm Wind Project	OH	61356	W2	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2018	3	61278	OEE XXVI LLC	IPP	Whirlpool Corp-Greenville Wind Farm	OH	61660	WTG1	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2018	3	61278	OEE XXVI LLC	IPP	Whirlpool Corp-Greenville Wind Farm	OH	61660	WTG2	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2018	3	61278	OEE XXVI LLC	IPP	Whirlpool Corp-Greenville Wind Farm	OH	61660	WTG3	1.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.5
2018	3	40229	Old Dominion Electric Coop	Electric Utility	Wildcat Point Generation Facility	MD	59220	CT1	310.3	Natural Gas Fired Combined Cycle	NG	CT	(TS) Construction complete, but not yet in commercial operation	310.3

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)
2018	3	40229	Old Dominion Electric Coop	Electric Utility	Wildcat Point Generation Facility	MD	59220	CT2	310.3	Natural Gas Fired Combined Cycle	NG	CT	(TS) Construction complete, but not yet in commercial operation	310.3
2018	3	40229	Old Dominion Electric Coop	Electric Utility	Wildcat Point Generation Facility	MD	59220	ST1	493.0	Natural Gas Fired Combined Cycle	NG	CA	(TS) Construction complete, but not yet in commercial operation	493.0
2018	3	60162	Panda Hummel Station LLC	IPP	Panda Hummel Station LLC	PA	60368	CTG1	226.3	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	244.8
2018	3	60162	Panda Hummel Station LLC	IPP	Panda Hummel Station LLC	PA	60368	CTG2	226.3	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	244.8
2018	3	60162	Panda Hummel Station LLC	IPP	Panda Hummel Station LLC	PA	60368	CTG3	226.3	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	244.8
2018	3	60162	Panda Hummel Station LLC	IPP	Panda Hummel Station LLC	PA	60368	STG	417.6	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	460.0
2018	3	61323	PowerFin ASL 1, LLC	IPP	PowerFin Kingsbery	TX	61700	PFPKB	2.6	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.6
2018	3	61069	RE Gaskell West LLC	IPP	RE Gaskell West 1 LLC	CA	61445	PV1	20.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	20.0
2018	3	16181	Rochester Public Utilities	Electric Utility	Westside Energy Station	MN	60564	WES1	9.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2018	3	16181	Rochester Public Utilities	Electric Utility	Westside Energy Station	MN	60564	WES2	9.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2018	3	16181	Rochester Public Utilities	Electric Utility	Westside Energy Station	MN	60564	WES3	9.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2018	3	16181	Rochester Public Utilities	Electric Utility	Westside Energy Station	MN	60564	WES4	9.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2018	3	16181	Rochester Public Utilities	Electric Utility	Westside Energy Station	MN	60564	WES5	9.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2018	3	60748	Salisbury Solar, LLC	IPP	Salisbury Solar	NC	61128	12349	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2018	3	60520	SoCore Energy LLC	IPP	Carrizozo Solar	NM	61662	PV1	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0
2018	3	60712	South Maui Renewable Resources LLC	IPP	Kihei Solar Farm	HI	61099	KIHEI	2.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.9
2018	3	40580	Southern Minnesota Mun P Agny	Electric Utility	Owatonna Energy Station	MN	60254	UNIT1	9.7	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.7
2018	3	40580	Southern Minnesota Mun P Agny	Electric Utility	Owatonna Energy Station	MN	60254	UNIT2	9.7	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.7
2018	3	40580	Southern Minnesota Mun P Agny	Electric Utility	Owatonna Energy Station	MN	60254	UNIT3	9.7	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.7
2018	3	40580	Southern Minnesota Mun P Agny	Electric Utility	Owatonna Energy Station	MN	60254	UNIT4	9.7	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.7
2018	3	57109	St Joseph Energy Center LLC	IPP	St Joseph Energy Center	IN	57794	CT1	229.0	Natural Gas Fired Combined Cycle	NG	CT	(TS) Construction complete, but not yet in commercial operation	238.0
2018	3	57109	St Joseph Energy Center LLC	IPP	St Joseph Energy Center	IN	57794	CT2	229.0	Natural Gas Fired Combined Cycle	NG	CT	(TS) Construction complete, but not yet in commercial operation	238.0
2018	3	57109	St Joseph Energy Center LLC	IPP	St Joseph Energy Center	IN	57794	ST1	245.0	Natural Gas Fired Combined Cycle	NG	CA	(TS) Construction complete, but not yet in commercial operation	260.0
2018	3	60653	Stafford St Solar 2, LLC	IPP	Stafford St Solar 2	MA	61017	STAF2	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2018	3	60822	Taurus Community Solar	IPP	Taurus Community Solar	MN	61174	ETCS1	0.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.9
2018	3	60822	Taurus Community Solar	IPP	Taurus Community Solar	MN	61174	ETCS2	0.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.9
2018	3	60822	Taurus Community Solar	IPP	Taurus Community Solar	MN	61174	ETCS3	0.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.9
2018	3	60822	Taurus Community Solar	IPP	Taurus Community Solar	MN	61174	ETCS4	0.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.9
2018	3	60947	Tesla Inc.	IPP	Intel - Ocotillo Campus Solar	AZ	60822	PV2	1.4	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.4
2018	3	60947	Tesla Inc.	IPP	Town of Rocky Hill	CT	61541	PV1	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2018	3	60947	Tesla Inc.	IPP	Town of Rocky Hill	CT	61541	PV2	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2018	3	60947	Tesla Inc.	IPP	Town of Rocky Hill	CT	61541	PV3	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2018	3	60947	Tesla Inc.	IPP	US GSA - Sacramento	CA	60846	PV1	1.1	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.1
2018	3	56927	Wallingford Energy LLC	IPP	Wallingford Energy	CT	55517	CTG6	45.0	Natural Gas Fired Combustion Turbine	NG	GT	(TS) Construction complete, but not yet in commercial operation	50.0
2018	3	56927	Wallingford Energy LLC	IPP	Wallingford Energy	CT	55517	CTG7	45.0	Natural Gas Fired Combustion Turbine	NG	GT	(TS) Construction complete, but not yet in commercial operation	50.0
2018	3	61229	Waterville Solar Holdings LLC	IPP	Waterville Solar Holdings LLC	MN	61627	WA	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2018	3	61188	West Texas A&M University	Commercial	UL Advanced Wind Turbine Test Facility	TX	61589	UT-1	3.4	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	3.4
2018	3	61172	Zumbro Solar LLC	IPP	Zumbro Community Solar Garden	MN	61574	38674	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	4	60571	AEP Onsite Partners	IPP	Ohio Northern University Solar Site	OH	60913	PV2	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	4	61103	Adams Solar Center LLC	IPP	Adams Solar Center	OR	61496	ADAMS	10.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	10.0
2018	4	221	Alaska Village Elec Coop, Inc	Electric Utility	Hooper Bay	AK	6319	3B	0.4	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	0.4
2018	4	221	Alaska Village Elec Coop, Inc	Electric Utility	Pilot Station	AK	57058	1	0.5	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	0.5
2018	4	60824	Antares Community Solar	IPP	Antares Community Solar	MN	61176	FACS1	0.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	0.9
2018	4	60824	Antares Community Solar	IPP	Antares Community Solar	MN	61176	FACS2	0.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	0.9
2018	4	60824	Antares Community Solar	IPP	Antares Community Solar	MN	61176	FACS3	0.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	0.9
2018	4	60922	Belchertown Renewables, LLC	IPP	Belchertown Renewables Community Solar	MA	61295	02675	4.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	4.0
2018	4	61256	Betcher CSG LLC	IPP	Betcher Community Solar Garden	MN	61671	BETCH	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2018	4	56204	CPV Valley, LLC	IPP	CPV Valley Energy Center	NY	56940	CTG1	198.2	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	235.0
2018	4	56204	CPV Valley, LLC	IPP	CPV Valley Energy Center	NY	56940	CTG2	198.2	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	235.0
2018	4	56204	CPV Valley, LLC	IPP	CPV Valley Energy Center	NY	56940	STG	308.7	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	300.0
2018	4	14203	City of Osawatomie - (KS)	Electric Utility	Osawatomie Power Plant North Sub	KS	60751	CAT1	2.0	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	2.0
2018	4	14203	City of Osawatomie - (KS)	Electric Utility	Osawatomie Power Plant North Sub	KS	60751	CAT2	2.0	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	2.0
2018	4	14203	City of Osawatomie - (KS)	Electric Utility	Osawatomie Power Plant North Sub	KS	60751	CAT3	2.0	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	2.0
2018	4	58519	Clean Energy Collective LLC	Electric Utility	SCE&G Nimitz CSG	SC	61433	SCNM1	8.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	8.0
2018	4	58519	Clean Energy Collective LLC	Electric Utility	SCE&G Springfield CSG	SC	61434	SCSP1	6.1	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	6.1
2018	4	60905	ETCAP NES CS MN 03 LLC	IPP	Marmas Solar	MN	61139	0000C	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2018	4	60905	ETCAP NES CS MN 03 LLC	IPP	Marmas Solar	MN	61139	MARM2	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	4	60905	ETCAP NES CS MN 03 LLC	IPP	Marmas Solar	MN	61139	MARM3	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	4	60905	ETCAP NES CS MN 03 LLC	IPP	Marmas Solar	MN	61139	MARM4	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	4	60905	ETCAP NES CS MN 03 LLC	IPP	Marmas Solar	MN	61139	MARM5	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	4	59928	Footprint Salem Harbor Development LP	IPP	Salem Harbor Station NGCC	MA	60903	1	147.5	Natural Gas Fired Combined Cycle	NG	CA	(TS) Construction complete, but not yet in commercial operation	158.4
2018	4	59928	Footprint Salem Harbor Development LP	IPP	Salem Harbor Station NGCC	MA	60903	2	147.5	Natural Gas Fired Combined Cycle	NG	CA	(TS) Construction complete, but not yet in commercial operation	158.4
2018	4	59928	Footprint Salem Harbor Development LP	IPP	Salem Harbor Station NGCC	MA	60903	3	217.5	Natural Gas Fired Combined Cycle	NG	CT	(TS) Construction complete, but not yet in commercial operation	240.7
2018	4	59928	Footprint Salem Harbor Development LP	IPP	Salem Harbor Station NGCC	MA	60903	4	217.5	Natural Gas Fired Combined Cycle	NG	CT	(TS) Construction complete, but not yet in commercial operation	240.7
2018	4	60252	Friendswood Energy Genco, LLC	IPP	Friendswood Energy	TX	60468	GT-1	117.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	121.5
2018	4	61109	Huneke I CSG LLC	IPP	Huneke I CSG	MN	61505	HUNE1	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	4	61110	Krause CSG LLC	IPP	Krause CSG	MN	61506	KRAUS	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	4	61017	Lindstrom CSG 1, LLC	IPP	Lindstrom Solar	MN	61382	LIND1	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	4	61017	Lindstrom CSG 1, LLC	IPP	Lindstrom Solar	MN	61382	LIND2	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	4	61017	Lindstrom CSG 1, LLC	IPP	Lindstrom Solar	MN	61382	LIND3	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	4	11161	Loma Linda University	Commercial	Loma Linda University Cogen	CA	10206	GEN5	1.0	Petroleum Liquids	DFO	IC	(P) Planned for installation, but regulatory approvals not initiated	1.0
2018	4	61156	NMRD Data Center, LLC	IPP	Facebook 3 Solar Energy Center	NM	61558	FB3	10.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	10.0
2018	4	59124	NTE Ohio LLC	IPP	Middletown Energy Center	OH	59326	MEC1	257.0	Natural Gas Fired Combined Cycle	NG	CT	(TS) Construction complete, but not yet in commercial operation	310.2
2018	4	59124	NTE Ohio LLC	IPP	Middletown Energy Center	OH	59326	MEC2	227.0	Natural Gas Fired Combined Cycle	NG	CA	(TS) Construction complete, but not yet in commercial operation	233.7
2018	4	61108	RJC I CSG LLC	IPP	RJC I CSG	MN	61504	RCJ1	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	4	61285	RJC II CSG LLC	IPP	RJC II Community Solar Garden	MN	61670	RJCII	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2018	4	60443	Rattlesnake Power, LLC	IPP	Rattlesnake Power, LLC	TX	60743	WT1	160.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	160.0
2018	4	61114	School Sisters CSG LLC	IPP	School Sisters CSG	MN	61516	SCHOO	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2018	4	17164	Sierra Pacific Industries Inc	Industrial	Sierra Pacific Sonora	CA	54517	GEN3	6.0	Wood/Wood Waste Biomass	WDS	ST	(V) Under construction, more than 50 percent complete	7.5
2018	4	60163	Soltage LLC	IPP	Kelly Solar, LLC	NC	61219	KELLY	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2018	4	61210	Stenner Creek Solar LLC	Commercial	Stenner Creek Solar	CA	61607	CPOLY	4.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.5
2018	4	61019	SunE St. Cloud 1, LLC	IPP	St. Cloud Solar	MN	61384	STCL1	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	4	61019	SunE St. Cloud 1, LLC	IPP	St. Cloud Solar	MN	61384	STCL2	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	4	61019	SunE St. Cloud 1, LLC	IPP	St. Cloud Solar	MN	61384	STCL3	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	4	61019	SunE St. Cloud 1, LLC	IPP	St. Cloud Solar	MN	61384	STCL4	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	4	61019	SunE St. Cloud 1, LLC	IPP	St. Cloud Solar	MN	61384	STCL5	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	4	60495	Sunpin Holdings, LLC	IPP	Colgreen North Shore Solar Farm	CA	60825	CNS1	74.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.8
2018	4	60947	Tesla Inc.	IPP	Estrella Mountain PV	AZ	60230	PV1	1.8	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.8

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	4	60947	Tesla Inc.	IPP	Onondaga County- Jamesville	NY	60232	PV1	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2018	4	60947	Tesla Inc.	IPP	Time Warner Cable - Knowles	NY	60904	PV1	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2018	4	60923	Theodore Drive Solar, LLC	IPP	Theodore Drive Community Solar	MA	61296	02529	1.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.5
2018	4	61277	Vista Energy Storage, LLC	IPP	Vista Energy Storage System	CA	61661	VISTA	40.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	40.0
2018	4	60059	ZGlobal Inc	IPP	Merced 1 PV	CA	61420	MRCD1	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0
2018	5	61344	Advanced Microgrid Solutions	IPP	HEBT Irvine 1	CA	61722	IRV01	1.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	1.0
2018	5	61344	Advanced Microgrid Solutions	IPP	HEBT Irvine 1	CA	61722	IRV1W	4.5	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	4.5
2018	5	59474	BQ Energy LLC	IPP	Annapolis Solar Park, LLC	MD	60681	ASP12	12.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	12.0
2018	5	60899	Bear Creek Solar Center, LLC	IPP	Bear Creek Solar Center	OR	61281	BCRSC	10.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	10.0
2018	5	19002	CPV Towantic, LLC	IPP	CPV Towantic Energy Center	CT	56047	CTG1	233.6	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	280.5
2018	5	19002	CPV Towantic, LLC	IPP	CPV Towantic Energy Center	CT	56047	CTG2	233.6	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	280.5
2018	5	19002	CPV Towantic, LLC	IPP	CPV Towantic Energy Center	CT	56047	STG	277.8	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	280.5
2018	5	6175	City of Falls City - (NE)	Electric Utility	Falls City	NE	2237	9	9.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	9.3
2018	5	60609	Clean Focus Renewables, Inc.	IPP	BHE Pueblo 2 Community Solar Array	CO	60801	PUEB2	1.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.5
2018	5	60825	Corvus Community Solar	IPP	Corvus Community Solar	MN	61177	GCCS1	0.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	0.9
2018	5	60825	Corvus Community Solar	IPP	Corvus Community Solar	MN	61177	GCCS2	0.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	0.9
2018	5	60825	Corvus Community Solar	IPP	Corvus Community Solar	MN	61177	GCCS3	0.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	0.9
2018	5	60825	Corvus Community Solar	IPP	Corvus Community Solar	MN	61177	GCCS4	0.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	0.9
2018	5	60825	Corvus Community Solar	IPP	Corvus Community Solar	MN	61177	GCCS5	0.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	0.9
2018	5	61104	Elbe Solar Center LLC	IPP	Elbe Solar Center	OR	61497	ELBE	10.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	10.0
2018	5	61304	Foreman's Hill CSG LLC	IPP	Foreman's Hill Community Solar	MN	61690	FOREM	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2018	5	61124	Great Valley Solar Portfolio Holdings, LLC	IPP	Great Valley Solar Portfolio Holdings, LLC	CA	59940	TQ8	200.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	205.3
2018	5	60428	Green City Recovery, LLC	IPP	Green City Recovery, LLC	KY	60703	2	1.0	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	1.0
2018	5	61303	Grimm CSG LLC	IPP	Grimm Community Solar	MN	61689	PV1	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2018	5	61287	Johnson I CSG LLC	IPP	Johnson 1 Community Solar	MN	61686	PV1	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2018	5	61309	Johnson II CSG LLC	IPP	Johnson II Community Solar	MN	61695	PV1	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2018	5	58822	MC Power Companies Inc	IPP	Farmington Solar Farm	MO	61450	FSF1	2.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.5
2018	5	59675	Moxie Freedom LLC	IPP	Moxie Freedom Generation Plant	PA	59906	GEN1	490.0	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete	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	(U) Under construction, less than or equal to 50 percent complete	529.0
2018	5	56990	NJR Clean Energy Ventures Corporation	IPP	New Road Solar, LLC	NJ	61599	NEWRD	10.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	10.0
2018	5	56990	NJR Clean Energy Ventures Corporation	IPP	Old Bridge Solar Farm	NJ	61600	OLDBR	8.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	8.8
2018	5	56990	NJR Clean Energy Ventures Corporation	IPP	Raritan Solar - 53 Highway	NJ	61601	RARIT	8.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	8.4
2018	5	61080	North Smithfield Solar Power 1, LLC	IPP	North Smithfield Solar Power 1	RI	61461	NSS01	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2018	5	61348	PCS Energy, LLC	Industrial	Aerolease	CA	61718	APLEX	1.1	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.5
2018	5	60100	PSEG Keys Energy Center, LLC	IPP	Keys Energy Center	MD	60302	10	327.0	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	359.0
2018	5	60100	PSEG Keys Energy Center, LLC	IPP	Keys Energy Center	MD	60302	11	214.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	235.0
2018	5	60100	PSEG Keys Energy Center, LLC	IPP	Keys Energy Center	MD	60302	12	214.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	235.0
2018	5	61295	Pinal Central Energy Center, LLC	IPP	Pinal Central Energy Center	AZ	61678	BA1	10.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	10.0
2018	5	61295	Pinal Central Energy Center, LLC	IPP	Pinal Central Energy Center	AZ	61678	PCEC	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2018	5	60403	TRS Fuel Cell, LLC	Electric CHP	TRS Fuel Cell	CT	60683	MMH1	3.7	Other Natural Gas	NG	FC	(TS) Construction complete, but not yet in commercial operation	3.7
2018	5	60947	Tesla Inc.	IPP	Broome County	NY	60507	NORTH	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2018	5	60947	Tesla Inc.	IPP	Broome County	NY	60507	SOUTH	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2018	5	60947	Tesla Inc.	IPP	Jefferson-Lewis BOCES Solar	NY	60819	PV1	2.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.0
2018	5	61366	Woods Hill Solar, LLC	IPP	Woods Hill Solar	CT	61736	PV1	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2018	6	61012	AES Distributed Energy	IPP	Anheuser-Busch Baldwinsville	NY	61575	BAL01	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2018	6	61012	AES Distributed Energy	IPP	Call Farms 1	NY	61470	CFM11	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2018	6	61012	AES Distributed Energy	IPP	Call Farms 3	NY	61471	CFM31	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2018	6	61012	AES Distributed Energy	IPP	Columbia University - Johnson Farms	NY	61576	JF01	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2018	6	61012	AES Distributed Energy	IPP	Columbia University - Minisink	NY	61578	MIN01	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2018	6	61012	AES Distributed Energy	IPP	Lichtenthal	NY	61469	LIC01	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2018	6	61012	AES Distributed Energy	IPP	St. Lawerence University - Sutton	NY	61579	SUT01	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2018	6	61012	AES Distributed Energy	IPP	Time Warner Cable Enterprises - Martino	NY	61577	MRT01	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2018	6	60281	Altus Power America Management, LLC	IPP	Big George PV	MA	61429	12344	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	6	61369	Aspenall Energies Delaware	Electric Utility	Kimball Wind, LLC	NE	56106	KIM01	30.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	30.0
2018	6	59474	BQ Energy LLC	IPP	Kings Park Solar I	NY	59880	KIPS1	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2018	6	59474	BQ Energy LLC	IPP	Kings Park Solar II	NY	59881	KIPS2	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2018	6	60366	BRE NC Solar 2, LLC	IPP	BRE NC Solar 2	NC	60626	BEAM2	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2018	6	60367	BRE NC Solar 3, LLC	IPP	BRE NC Solar 3	NC	60627	BEAM3	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2018	6	60368	BRE NC Solar 4, LLC	IPP	BRE NC Solar 4	NC	60628	BEAM4	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2018	6	60170	Clean Energy Future-Lordstown, LLC	IPP	Clean Energy Future-Lordstown, LLC	OH	60376	CTG1	263.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	311.0
2018	6	60170	Clean Energy Future-Lordstown, LLC	IPP	Clean Energy Future-Lordstown, LLC	OH	60376	CTG2	263.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	311.0
2018	6	60170	Clean Energy Future-Lordstown, LLC	IPP	Clean Energy Future-Lordstown, LLC	OH	60376	STG1	324.0	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	340.0
2018	6	61060	Cypress Creek Renewables	IPP	Antanavica Solar	MA	61526	GEN1	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	6	5199	Devon Energy Production Co	Industrial	Beaver Creek Gas Plant	WY	55278	STG-1	0.9	All Other	WH	ST	(U) Under construction, less than or equal to 50 percent complete	0.9
2018	6	58970	Ecoplexus, Inc	IPP	Manning PV 1	NC	59520	MANN	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2018	6	59735	Enerparc CA2, LLC	IPP	Cloverdale Solar Center	CA	60813	ECA02	1.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	1.0
2018	6	60147	Enerparc Solar Development, LLC	IPP	Gastonia Solar Center	NC	60359	60916	4.3	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.3
2018	6	61070	Foundation CA Fund IX Manager, LLC	IPP	Foundation California Training Facility	CA	61442	WTG1	1.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.8
2018	6	61070	Foundation CA Fund IX Manager, LLC	IPP	Foundation Salinas Valley State Prison	CA	61444	WTG1	1.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.8
2018	6	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
2018	6	60747	Gamble Solar, LLC	IPP	Gamble Solar	NC	61127	12348	3.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.0
2018	6	60886	Gray Hawk Solar, LLC	IPP	Gray Hawk Solar	AZ	61272	GHS	55.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	55.0
2018	6	60534	Halifax Solar LLC	IPP	Halifax Solar LLC	NC	60884	HALFX	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2018	6	60356	Hexagon Energy	IPP	Bay Branch Solar	NC	60601	BBSOL	4.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.5
2018	6	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN)	IN	991	GT1	207.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	207.0
2018	6	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN)	IN	991	GT2	207.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	207.0
2018	6	9273	Indianapolis Power & Light Co	Electric Utility	Eagle Valley (IN)	IN	991	STG1	230.0	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	230.0
2018	6	61346	Lisbon East	IPP	COU Solar I, LLC	NY	61720	LECOU	1.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.5
2018	6	61345	Lisbon West	IPP	CJ Solar I, LLC	NY	61719	LWCJ1	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2018	6	58822	MC Power Companies Inc	IPP	El Dorado Springs Solar Farm	MO	61566	EDSF1	2.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.5
2018	6	58822	MC Power Companies Inc	IPP	Independence II Solar Farm	MO	61588	1	4.1	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.1
2018	6	58822	MC Power Companies Inc	IPP	Independence II Solar Farm	MO	61588	2	4.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.4
2018	6	60471	Mt. Tom Solar, LLC	IPP	Mt. Tom Solar Project	MA	60906	BA1	3.1	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	3.1
2018	6	58477	O2energies, Inc.	IPP	Five Forks Solar	NC	59951	5FRK	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2018	6	15147	PSEG Fossil LLC	IPP	PSEG Sewaren Generating Station	NJ	2411	701	321.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 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	(V) Under construction, more than 50 percent complete	287.0
2018	6	61288	Perennial Wind, LLC	IPP	Perennial Windfarm	NE	61677	T-1	2.3	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	2.3
2018	6	61288	Perennial Wind, LLC	IPP	Perennial Windfarm	NE	61677	T-2	2.3	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	2.3

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)
2018	6	61288	Perennial Wind, LLC	IPP	Perennial Windfarm	NE	61677	T-3	2.3	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	2.3
2018	6	61298	Pine Gate Renewables	IPP	Sadiebrook Solar, LLC	SC	60719	SADIE	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2018	6	61298	Pine Gate Renewables	IPP	Soluga Farms IV	NC	59934	SFIV	4.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.9
2018	6	18642	Tennessee Valley Authority	Electric Utility	Allen Steam Plant	TN	3393	CTG1	311.9	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	347.0
2018	6	18642	Tennessee Valley Authority	Electric Utility	Allen Steam Plant	TN	3393	CTG2	311.9	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	347.0
2018	6	18642	Tennessee Valley Authority	Electric Utility	Allen Steam Plant	TN	3393	STG1	428.3	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	476.9
2018	6	60947	Tesla Inc.	IPP	Lancaster SCE ReMAT	CA	61081	PV1	3.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	3.0
2018	6	61123	Upton County Solar 2 LLC	IPP	Castle Gap Solar	TX	60123	CGAP	180.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	180.0
2018	7	60096	Calvert Energy LLC	IPP	Pine Valley Solar Farm, LLC	NC	60298	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2018	7	5063	City of Denton - (TX)	Electric Utility	Denton Energy Center	TX	61643	DEC1	18.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.8
2018	7	5063	City of Denton - (TX)	Electric Utility	Denton Energy Center	TX	61643	DEC10	18.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.8
2018	7	5063	City of Denton - (TX)	Electric Utility	Denton Energy Center	TX	61643	DEC11	18.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.8
2018	7	5063	City of Denton - (TX)	Electric Utility	Denton Energy Center	TX	61643	DEC12	18.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.8
2018	7	5063	City of Denton - (TX)	Electric Utility	Denton Energy Center	TX	61643	DEC2	18.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.8
2018	7	5063	City of Denton - (TX)	Electric Utility	Denton Energy Center	TX	61643	DEC3	18.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.8
2018	7	5063	City of Denton - (TX)	Electric Utility	Denton Energy Center	TX	61643	DEC4	18.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.8
2018	7	5063	City of Denton - (TX)	Electric Utility	Denton Energy Center	TX	61643	DEC5	18.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.8
2018	7	5063	City of Denton - (TX)	Electric Utility	Denton Energy Center	TX	61643	DEC6	18.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.8
2018	7	5063	City of Denton - (TX)	Electric Utility	Denton Energy Center	TX	61643	DEC7	18.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.8
2018	7	5063	City of Denton - (TX)	Electric Utility	Denton Energy Center	TX	61643	DEC8	18.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.8
2018	7	5063	City of Denton - (TX)	Electric Utility	Denton Energy Center	TX	61643	DEC9	18.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.8
2018	7	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
2018	7	5701	El Paso Electric Co	Electric Utility	Holloman Solar Facility	NM	60301	HPV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2018	7	60953	Farmingdale Fuel Cell, LLC	Electric CHP	Farmingdale Fuel Cell	NY	61317	MB-21	1.4	Other Natural Gas	NG	FC	(P) Planned for installation, but regulatory approvals not initiated	1.4
2018	7	60849	Green Beanworks C, LLC	IPP	Green Beanworks C PV	CA	61215	GBWXC	3.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.0
2018	7	60850	Green Beanworks D, LLC	IPP	Green Beanworks D PV	CA	61216	GBWXD	3.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.0
2018	7	60379	Howardtown Farm, LLC	IPP	Howardtown Farm	NC	60630	PV1	10.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	10.0
2018	7	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
2018	7	59123	NTE Carolinas, LLC	IPP	Kings Mountain Energy Center	NC	59325	KMEC1	259.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	310.2
2018	7	59123	NTE Carolinas, LLC	IPP	Kings Mountain Energy Center	NC	59325	KMEC2	227.0	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	233.7
2018	7	60229	Quail Holdings, LLC	IPP	Quail Holdings	NC	60434	PV1	25.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	25.0
2018	7	59010	Rhubarb One LLC	IPP	Rhubarb One	NC	59216	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2018	7	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
2018	7	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
2018	7	17650	Southern Power Co	IPP	Cactus Flats Wind Energy Project	TX	61001	WT1	150.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	150.0
2018	7	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
2018	7	60193	Tamworth Holdings, LLC	IPP	Tamworth Holdings	NC	60394	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2018	7	60410	Tanager Holdings, LLC	IPP	Tanager Holdings	NC	60691	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2018	7	59098	Trishe Wind Ohio LLC	IPP	Trishe Wind Ohio LLC	OH	59296	NWOH1	100.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	100.0
2018	7	60192	Warbler Holdings, LLC	IPP	Warbler Holdings	NC	60393	PV1	4.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.0
2018	7	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
2018	8	61344	Advanced Microgrid Solutions	IPP	HEBT Irvine 2	CA	61723	IRV06	2.5	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	2.5
2018	8	60292	Advanced Solar Power Holdings, Inc	IPP	Two Mile Desert Project	NC	60510	PV1	16.2	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	16.2
2018	8	60248	Agilon Energy LLC	IPP	Victoria City Power LLC	TX	61241	VC-1	43.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	50.0
2018	8	60248	Agilon Energy LLC	IPP	Victoria City Power LLC	TX	61241	VC-2	43.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	50.0
2018	8	60248	Agilon Energy LLC	IPP	Victoria Port Power LLC	TX	61242	VP-1	50.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	50.0
2018	8	60248	Agilon Energy LLC	IPP	Victoria Port Power LLC	TX	61242	VP-2	50.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	50.0
2018	8	3037	City of Carlyle - (IL)	Electric Utility	Carlyle	IL	936	11	2.8	Petroleum Liquids	DFO	IC	(P) Planned for installation, but regulatory approvals not initiated	2.8
2018	8	61060	Cypress Creek Renewables	IPP	West Moore Solar	TX	61624	GEN1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2018	8	61060	Cypress Creek Renewables	IPP	West Moore Solar II	TX	61625	GEN1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2018	8	58970	Ecoplexus, Inc	IPP	Folsom SP and CSP Sacramento	CA	61698	FOLSM	1.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.3
2018	8	57484	Foundation CA Fund V Manager, LLC	IPP	Foundation NWNA	CA	58114	WTG3	1.9	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	1.9
2018	8	60399	GASNA 6P, LLC	IPP	San Joaquin Solar	CA	60678	SJ1A	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2018	8	60399	GASNA 6P, LLC	IPP	San Joaquin Solar	CA	60678	SJ1B	1.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.5
2018	8	11208	Los Angeles Department of Water & Power	Electric Utility	Beacon BESS 1	CA	61431	BCNB1	20.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	20.0
2018	8	61209	NC 102 Project LLC	IPP	NC 102 Project LLC	NC	61610	NC102	74.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.9
2018	8	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	8A	122.0	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	122.0
2018	8	16191	Robbins Lumber Inc	Industrial	Robbins Lumber	ME	50230	WEG	8.5	Wood/Wood Waste Biomass	WDS	ST	(U) Under construction, less than or equal to 50 percent complete	10.0
2018	8	60947	Tesla Inc.	IPP	Oswego County - Fulton Solar	NY	60818	PV1	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2018	8	59056	Tri Global Energy, LLC	IPP	Blue Cloud Renewable Energy Project, LLC	TX	60270	WT1	350.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	350.0
2018	9	60112	97WI 8ME, LLC	IPP	Midway Solar Farm III	CA	60315	MSF3	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2018	9	60876	Antelope Expansion 2, LLC	IPP	Antelope Expansion 2	CA	61264	ANTX2	105.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	105.0
2018	9	58261	Arkwright Summit Wind Farm LLC	IPP	Arkwright Summit Wind Farm LLC	NY	61673	WT	78.4	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	79.8
2018	9	60750	Bear Poplar Solar, LLC	IPP	Bear Poplar Solar	NC	61130	12344	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2018	9	3265	Cleco Power LLC	Electric Utility	St. Mary Clean Energy Center	LA	60610	1	47.9	All Other	WH	OT	(P) Planned for installation, but regulatory approvals not initiated	58.2
2018	9	6455	Duke Energy Florida, LLC	Electric Utility	Citrus County Combined Cycle Plant	FL	60138	1GTA	251.7	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	310.3
2018	9	6455	Duke Energy Florida, LLC	Electric Utility	Citrus County Combined Cycle Plant	FL	60138	1GTB	251.7	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	310.3
2018	9	6455	Duke Energy Florida, LLC	Electric Utility	Citrus County Combined Cycle Plant	FL	60138	CC1ST	316.7	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	364.7
2018	9	60147	Enerparc Solar Development, LLC	IPP	Hilly Branch	NC	60358	28941	2.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.0
2018	9	60147	Enerparc Solar Development, LLC	IPP	Pike Road Solar	NC	60360	51116	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2018	9	60878	Green Beanworks B, LLC	IPP	Green Beanworks B PV	CA	61339	GBWXB	3.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	3.0
2018	9	61353	Philadelphia Authority for Industrial Development	IPP	Navy Yard Peaker Station	PA	61737	GEN4	2.0	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	2.0
2018	9	60910	Sun Farm V, LLC	IPP	Sun Farm V, LLC	NC	61287	SF5PV	4.8	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2018	9	18454	Tampa Electric Co	Electric Utility	Balm Solar	FL	61654	PV1	74.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.4
2018	9	18454	Tampa Electric Co	Electric Utility	Payne Creek Solar	FL	61665	GEN1	70.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	70.3
2018	10	61259	Altair Community Solar Garden, LLC	IPP	Altair Community Solar Garden	MN	61645	ALTA	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2018	10	61325	Aquarius Community Solar Gardens, LLC	IPP	Aquarius Community Solar	MN	61710	AQUA	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2018	10	61326	Aquila Community Solar Gardens, LLC	IPP	Aquila Community Solar	MN	61704	AQUI	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2018	10	61327	Arcturus Community Solar Garden, LLC	IPP	Arcturus Community Solar	MN	61705	ARCT	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2018	10	61328	Auriga Community Solar Garden, LLC	IPP	Auriga Community Solar	MN	61706	AURI	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2018	10	61230	CD Arevon USA, Inc.	IPP	Mount Signal Solar Farm 3	CA	61202	MTSG3	252.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	252.3
2018	10	56608	Calpine Mid-Merit LLC	IPP	York Energy Center	PA	55524	CTG5	216.3	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	234.9
2018	10	56608	Calpine Mid-Merit LLC	IPP	York Energy Center	PA	55524	CTG6	216.3	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	234.9
2018	10	56608	Calpine Mid-Merit LLC	IPP	York Energy Center	PA	55524	STG2	395.1	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	419.6
2018	10	61329	Canopus Community Solar Garden, LLC	IPP	Canopus Community Solar	MN	61707	CANO	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2018	10	61260	Capricornus Community Solar Garden, LLC	IPP	Capricornus Community Solar Garden	MN	61651	CAPR	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2018	10	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC 6	105.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	105.5
2018	10	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC 7	105.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	105.5

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	10	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC 8	105.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	105.5
2018	10	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC 9	105.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	105.5
2018	10	58847	Carlsbad Energy Center	IPP	Carlsbad Energy Center	CA	59002	CEC10	105.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	105.5
2018	10	61337	Cassiopeia Community Solar Garden, LLC	IPP	Cassiopeia Community Solar	MN	61711	CASS	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2018	10	16873	City of Sebewaing - (MI)	Electric Utility	Pine Street	MI	7806	7	4.4	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	4.4
2018	10	16873	City of Sebewaing - (MI)	Electric Utility	Pine Street	MI	7806	8	3.3	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	3.3
2018	10	18445	City of Tallahassee - (FL)	Electric Utility	Sub 12	FL	61080	IC1	9.3	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	9.3
2018	10	18445	City of Tallahassee - (FL)	Electric Utility	Sub 12	FL	61080	IC2	9.3	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	9.3
2018	10	61338	Crux Community Solar Gardens, LLC	IPP	Crux Community Solar	MN	61712	CRUX	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2018	10	61060	Cypress Creek Renewables	IPP	Buckleberry Solar	NC	61693	GEN	52.1	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	52.1
2018	10	61339	Deneb Community Solar Garden, LLC	IPP	Deneb Community Solar	MN	61715	DENE	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2018	10	60496	Enerparc Inc.	IPP	Neenach Solar Center	CA	60826	ECA03	1.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.5
2018	10	61054	Fluvanna Wind Energy 2 LLC	IPP	Gopher Creek Wind Farm	TX	61417	GCWF	158.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	158.0
2018	10	7019	Gay & Robinson Inc	Industrial	Gay Robinson	HI	50333	HYD3	6.5	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	6.5
2018	10	61340	Hydra Community Solar, LLC	IPP	Hydra Community Solar	MN	61714	HYDR	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2018	10	61289	Kaus Community Solar Garden, LLC	IPP	Kaus Community Solar	MN	61716	KAUS	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2018	10	61342	Leo Community Solar, LLC	IPP	Leo Community Solar	MN	61713	LEO	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2018	10	61334	Libra Community Solar Garden, LLC	IPP	Libra Community Solar	MN	61709	LIBR	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2018	10	58849	Mariah del Este LLC	IPP	Mariah East	TX	59006	MARN	152.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	152.5
2018	10	58850	Mariah del Sur LLC	IPP	Mariah South	TX	59007	MAR 5	210.4	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	210.4
2018	10	61101	Minnesota Solar CSG 1, LLC	IPP	Wright Cuddyer	MN	61494	41327	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	10	61101	Minnesota Solar CSG 1, LLC	IPP	Wright Cuddyer	MN	61494	41328	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	10	61101	Minnesota Solar CSG 1, LLC	IPP	Wright Cuddyer	MN	61494	41329	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	10	61101	Minnesota Solar CSG 1, LLC	IPP	Wright Cuddyer	MN	61494	41330	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2018	10	60735	Pristine Sun Fund 8, LLC	IPP	SCWA R5 Pond Solar	CA	61123	SKYR5	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2018	10	15466	Public Service Co of Colorado	Electric Utility	Rush Creek Wind	CO	60619	GEN1	576.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	600.0
2018	10	61333	Sagitta Community Solar Garden, LLC	IPP	Sagitta Community Solar	MN	61708	SAGI	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2018	10	17633	Southern Indiana Gas & Elec Co	Electric Utility	Oak Hill Solar Array	IN	61333	OHSA1	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2018	10	17633	Southern Indiana Gas & Elec Co	Electric Utility	Volkman Road Solar Array	IN	61334	VRSA1	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2018	10	17633	Southern Indiana Gas & Elec Co	Electric Utility	Volkman Road Solar Array	IN	61334	VRSA2	1.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	1.0
2018	10	59598	Tooele Army Depot	IPP	Tooele Army Depot	UT	59817	PV1	1.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.5
2018	11	60691	AES LAWAI SOLAR, LLC	IPP	AES LAWAI SOLAR	HI	61068	LAWA1	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2018	11	60691	AES LAWAI SOLAR, LLC	IPP	AES LAWAI SOLAR	HI	61068	LAWA2	20.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	20.0
2018	11	60476	Bluebell Solar, LLC	IPP	Bluebell Solar	TX	60789	UNIT1	30.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	30.0
2018	11	60656	Chestnut Solar LLC	IPP	Chestnut Solar	NC	61011	PV1	74.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	74.9
2018	11	58840	Copenhagen Wind Farm, LLC	IPP	Copenhagen Wind Farm	NY	58979	CPHGN	79.9	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	79.9
2018	11	57202	E&E Enterprises LLC	IPP	Allendorf	IA	56215	ET	1.8	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	2.0
2018	11	61070	Foundation CA Fund IX Manager, LLC	IPP	Foundation Mann Packing	CA	61443	WTG1	1.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	1.8
2018	11	9234	Indiana Municipal Power Agency	Electric Utility	Richmond Solar Site 2	IN	61729	SRIC2	7.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	7.5
2018	11	49893	Invenergy Services LLC	IPP	Lackawanna Energy Center	PA	60357	GEN2	465.0	Natural Gas Fired Combined Cycle	NG	CS	(U) Under construction, less than or equal to 50 percent complete	555.0
2018	11	58489	OCI Solar Power	IPP	Ivory Solar	TX	61697	IVORY	50.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	50.0
2018	11	15248	Portland General Electric Co	Electric Utility	Timothy Lake Powerhouse	OR	60868	1	1.2	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	1.2
2018	11	60217	San Bernardino Valley Mun. Water Dist.	Electric Utility	Waterman Turnout Hydroelectric	CA	60466	WTHF	1.0	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	1.0
2018	11	2770	Terra-Gen Operating Co LLC	IPP	Voyager Wind II	CA	61582	VYGR2	128.7	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	128.7
2018	11	2770	Terra-Gen Operating Co LLC	IPP	Voyager Wind III	CA	61583	VYGR3	43.2	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	43.2
2018	11	2770	Terra-Gen Operating Co LLC	IPP	Voyager Wind IV	CA	61584	VYGR4	21.6	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	21.6
2018	12	60776	Aksamit Resource Management	IPP	Milligan III Wind Farm	NE	61159	M3001	73.4	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	73.4
2018	12	60526	Alternative Power Development Northwest, LLC	IPP	Carter Solar One, LLC	ID	60896	CRTON	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2018	12	60526	Alternative Power Development Northwest, LLC	IPP	Jackpot Solar East, LLC	ID	60899	JPTEA	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2018	12	60526	Alternative Power Development Northwest, LLC	IPP	Jackpot Solar North, LLC	ID	60897	JPTNO	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2018	12	60526	Alternative Power Development Northwest, LLC	IPP	Jackpot Solar South, LLC	ID	60898	JPTSO	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2018	12	60526	Alternative Power Development Northwest, LLC	IPP	Jackpot Solar West, LLC	ID	60900	JPTWE	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2018	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
2018	12	803	Arizona Public Service Co	Electric Utility	Ocotillo	AZ	116	GT6	104.7	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	161.9
2018	12	57003	Arlington Valley Solar Energy LLC	IPP	Arlington Valley Solar Energy I	AZ	57679	AVSE1	125.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	127.0
2018	12	15399	Avangrid Renewables LLC	IPP	Coyote Ridge	SD	61047	WT1	98.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	98.0
2018	12	15399	Avangrid Renewables LLC	IPP	La Joya NM	NM	61044	WT1	400.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	400.0
2018	12	15399	Avangrid Renewables LLC	IPP	Lund Hill	WA	61045	WT1	60.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	60.0
2018	12	15399	Avangrid Renewables LLC	IPP	WyEast Solar	OR	61345	PV1	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2018	12	59359	BHE Renewables, LLC	IPP	Walnut Ridge Wind Farm	IL	58694	1	212.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	212.0
2018	12	61006	Bearkat TE Partnership LLC	IPP	Bearkat	TX	59972	BRKA2	103.4	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	103.4
2018	12	1857	Block Island Power Co	Electric Utility	Block Island	RI	6567	27	2.5	Petroleum Liquids	DFO	IC	(P) Planned for installation, but regulatory approvals not initiated	2.5
2018	12	59365	Capital Power Corporation	IPP	New Frontier Wind	ND	59903	GEN	100.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	100.0
2018	12	58508	Carolina Solar Energy II LLC	IPP	Brantley Solar	NC	60623	PV1	50.2	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	50.2
2018	12	58508	Carolina Solar Energy II LLC	IPP	Cabaniss Solar	NC	60430	PV1	4.2	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.2
2018	12	58508	Carolina Solar Energy II LLC	IPP	Fox Creek Solar	NC	60624	PV1	50.2	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	50.2
2018	12	58508	Carolina Solar Energy II LLC	IPP	McGrigor Farm Solar	NC	60440	PV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2018	12	58508	Carolina Solar Energy II LLC	IPP	Sellers Farm Solar	NC	60439	PV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2018	12	58508	Carolina Solar Energy II LLC	IPP	Tides Lane Farm	NC	60429	PV1	3.7	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.7
2018	12	56769	Consolidated Edison Development Inc.	IPP	Blackwell Solar Park	CA	59524	FRBSP	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2018	12	56769	Consolidated Edison Development Inc.	IPP	Burt County Wind	NE	61511	BCNE	75.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	75.0
2018	12	58695	Coronal Development Services	IPP	Latitude Solar Center	TN	61412	LATSC	15.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	15.0
2018	12	61060	Cypress Creek Renewables	IPP	Willard Solar	NC	60287	PV1	4.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2018	12	5109	DTE Electric Company	Electric Utility	Pine River Wind Park	MI	61106	1	161.3	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	161.3
2018	12	6455	Duke Energy Florida, LLC	Electric Utility	Citrus County Combined Cycle Plant	FL	60138	2GTA	251.7	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	310.3
2018	12	6455	Duke Energy Florida, LLC	Electric Utility	Citrus County Combined Cycle Plant	FL	60138	2GTB	251.7	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	310.3
2018	12	6455	Duke Energy Florida, LLC	Electric Utility	Citrus County Combined Cycle Plant	FL	60138	CC2ST	316.7	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	364.7
2018	12	56215	E ON Climate Renewables N America LLC	IPP	Stella Wind Farm	TX	59063	WT1	201.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	201.0
2018	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
2018	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
2018	12	58970	Ecoplexus, Inc	IPP	Everett PV1	NC	60997	EVRT1	10.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	10.0
2018	12	58970	Ecoplexus, Inc	IPP	Grandy PV 1	NC	59518	GRAND	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2018	12	58970	Ecoplexus, Inc	IPP	High Shoals PV1	NC	59997	HISHO	16.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	16.0
2018	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
2018	12	58970	Ecoplexus, Inc	IPP	Underwood PV2	NC	60998	UNWD2	16.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	16.0
2018	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
2018	12	58135	Ecos Energy LLC	IPP	Apple Hill Solar	VT	61037	APPL	2.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.0
2018	12	58135	Ecos Energy LLC	IPP	Lake Perris Solar	CA	60973	LKPR	1.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.5

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2018	12	58135	Ecos Energy LLC	IPP	San Jacinto Solar	CA	60972	SJAC	1.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.5
2018	12	58135	Ecos Energy LLC	IPP	Weybridge 1 Solar	VT	61038	WEY1	3.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	3.0
2018	12	6035	Exelon Power	IPP	Exelon West Medway II LLC	MA	59882	4	97.4	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	100.0
2018	12	6035	Exelon Power	IPP	Exelon West Medway II LLC	MA	59882	5	97.4	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	100.0
2018	12	59745	First Solar Asset Management	IPP	CA Flats Solar 150, LLC	CA	60034	GEN01	150.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	150.0
2018	12	59745	First Solar Asset Management	IPP	Willow Spring Solar, LLC	CA	60324	GEN01	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
2018	12	58959	Freeport LNG Development L.P	Industrial	Freeport LP Pretreatment Facility	TX	59145	65GTG	77.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	97.0
2018	12	60411	Friesian Holdings, LLC	IPP	Friesian Holdings	NC	60692	PV1	75.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	75.0
2018	12	58146	Gaelectric LLC	IPP	Jawbone Wind Project	MT	58175	JWPI	240.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	240.0
2018	12	60259	Green River Wind Farm, LLC	IPP	Green River Wind Farm	IL	60471	GRNRV	212.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	212.0
2018	12	60222	Haida Energy, Inc.	Electric Utility	Hiilangaay Hydro	AK	59037	GEN 1	5.0	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	5.0
2018	12	61214	Heartland Divide Wind Project, LLC	IPP	Heartland Divide Wind Project, LLC	IA	61609	1	103.5	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	103.5
2018	12	59462	Heelstone Energy Holdings, LLC	IPP	Innovative Solar 54	NC	59669	IS054	50.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	50.0
2018	12	59462	Heelstone Energy Holdings, LLC	IPP	Innovative Solar 67	NC	59678	IS067	33.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	33.3
2018	12	61001	Hu Honua Bioenergy, LLC	IPP	Hu Honua Bioenergy Facility	HI	61364	HHB	32.0	Other Waste Biomass	OBS	ST	(U) Under construction, less than or equal to 50 percent complete	36.0
2018	12	49893	Invenergy Services LLC	IPP	Lackawanna Energy Center	PA	60357	GEN3	465.0	Natural Gas Fired Combined Cycle	NG	CS	(U) Under construction, less than or equal to 50 percent complete	555.0
2018	12	61133	Lorenzo Wind, LLC	IPP	Lorenzo Wind	TX	59244	FIBE1	80.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	80.0
2018	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
2018	12	61004	Midway Solar LLC	IPP	Midway Solar - TX	TX	61368	PV1	182.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	182.0
2018	12	61292	NC State University, Energy Systems	Commercial	NCSU CCUP Cogeneration Plant	NC	61675	CTG1	5.6	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	5.6
2018	12	61292	NC State University, Energy Systems	Commercial	NCSU CCUP Cogeneration Plant	NC	61675	STG	1.0	Natural Gas Steam Turbine	NG	ST	(V) Under construction, more than 50 percent complete	1.0
2018	12	60018	NET Power, LLC	IPP	NET Power La Porte Station	TX	60910	NPLPS	25.5	Other Natural Gas	NG	OT	(V) Under construction, more than 50 percent complete	25.5
2018	12	58764	Origis Energy USA, Inc	IPP	OR Solar 2, LLC	OR	61200	ORSR2	10.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	10.0
2018	12	60466	Rowan Solar NC LLC	IPP	Rowan Solar NC LLC	NC	60780	PV1	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2018	12	60975	SR Innovation, LLC	IPP	SR Innovation - NIKE PV	TN	61332	NIKE2	1.7	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.7
2018	12	60334	SR Millington, LLC	IPP	Millington Solar Farm	TN	60560	MILL	53.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	53.0
2018	12	16534	Sacramento Municipal Util Dist	Electric Utility	White Rock/Slab Creek	CA	435	H3	2.7	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	2.7
2018	12	60693	Saratoga Wind Energy LLC	IPP	Saratoga Wind Farm	IA	61070	SWE	66.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	66.0
2018	12	58658	Sunlight Partners	IPP	Alexis Solar	NC	60139	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2018	12	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
2018	12	58658	Sunlight Partners	IPP	Brooke Solar	NC	60140	PV1	4.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.5
2018	12	58658	Sunlight Partners	IPP	Cash Solar	NC	60178	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2018	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
2018	12	58658	Sunlight Partners	IPP	Grove Solar	NC	60181	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2018	12	58658	Sunlight Partners	IPP	Heedeh Solar	NC	60157	PV1	4.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.5
2018	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
2018	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
2018	12	58658	Sunlight Partners	IPP	Iga Solar	NC	60170	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2018	12	58658	Sunlight Partners	IPP	Izia Solar	NC	60141	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2018	12	58658	Sunlight Partners	IPP	June Solar	NC	60158	PV1	4.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.0
2018	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
2018	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
2018	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
2018	12	58658	Sunlight Partners	IPP	Roman Solar	NC	60159	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2018	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
2018	12	58658	Sunlight Partners	IPP	Tate Solar	NC	60160	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2018	12	58658	Sunlight Partners	IPP	Wilfork Solar	NC	60162	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2018	12	61005	Sweetwater Solar LLC	IPP	Sweetwater Solar	WY	61369	PV1	92.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	92.0
2018	12	18454	Tampa Electric Co	Electric Utility	Mountain View Solar (FL)	FL	61664	GEN1	55.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	55.0
2018	12	18454	Tampa Electric Co	Electric Utility	Peace Creek Solar	FL	61666	GEN	56.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	56.6
2018	12	61215	Techren Solar LLC	IPP	Techren	NV	61611	TECH1	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
2018	12	60249	Tenaska Pennsylvania Partners, LLC	IPP	Tenaska Westmoreland Generating Station	PA	60464	CTG1	276.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	370.0
2018	12	60249	Tenaska Pennsylvania Partners, LLC	IPP	Tenaska Westmoreland Generating Station	PA	60464	CTG2	276.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	370.0
2018	12	60249	Tenaska Pennsylvania Partners, LLC	IPP	Tenaska Westmoreland Generating Station	PA	60464	STG1	374.0	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	394.0
2018	12	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
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	(V) Under construction, more than 50 percent complete	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	(V) Under construction, more than 50 percent complete	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	(V) Under construction, more than 50 percent complete	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	(V) Under construction, more than 50 percent complete	663.9
2018	12	19876	Virginia Electric & Power Co	Electric Utility	Hollyfield	VA	61023	1	6.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	17.0
2018	12	60847	West Fork Wind, LLC	IPP	West Fork Wind	IN	61214	WT1	150.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	150.0
2018	12	60154	White Street Renewables LLC	IPP	White Street Renewables	NC	60364	WSLFG	1.6	Landfill Gas	LFG	IC	(T) Regulatory approvals received. Not under construction	1.6
2018	12	60154	White Street Renewables LLC	IPP	White Street Renewables	NC	60364	WSPV	3.4	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.4
2018	12	61291	Wildcat Ranch Wind Project, LLC	IPP	Wildcat Ranch Wind Project	TX	61674	WT	150.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	150.0
2018	12	59731	Windham Solar LLC	IPP	Lebanon Solar 1	CT	59991	LEB1	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2018	12	59731	Windham Solar LLC	IPP	Lebanon Solar 2	CT	59992	LEB2	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2018	12	60875	Wolf Run Energy LLC	IPP	Wolf Run Energy	PA	61263	GEN1	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2018	12	60875	Wolf Run Energy LLC	IPP	Wolf Run Energy	PA	61263	GEN2	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2018	12	60875	Wolf Run Energy LLC	IPP	Wolf Run Energy	PA	61263	GEN3	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2018	12	60875	Wolf Run Energy LLC	IPP	Wolf Run Energy	PA	61263	GEN4	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2018	12	60875	Wolf Run Energy LLC	IPP	Wolf Run Energy	PA	61263	GEN5	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	1	61344	Advanced Microgrid Solutions	IPP	HEBT WLA 1 Microgrid	CA	61721	WLA01	1.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	1.0
2019	1	61344	Advanced Microgrid Solutions	IPP	HEBT WLA 1 Microgrid	CA	61721	WLA02	1.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	1.0
2019	1	61344	Advanced Microgrid Solutions	IPP	HEBT WLA 1 Microgrid	CA	61721	WLA1C	11.8	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	11.8
2019	1	60687	Alpine Pacific Utilities Hydro	IPP	Fresno Dam Site Water Power Project	MT	61061	1	0.5	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.5
2019	1	60687	Alpine Pacific Utilities Hydro	IPP	Fresno Dam Site Water Power Project	MT	61061	2	0.5	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.5
2019	1	60687	Alpine Pacific Utilities Hydro	IPP	Fresno Dam Site Water Power Project	MT	61061	3	0.5	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.5
2019	1	803	Arizona Public Service Co	Electric Utility	Ocotillo	AZ	116	GT5	104.7	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	161.9
2019	1	803	Arizona Public Service Co	Electric Utility	Ocotillo	AZ	116	GT7	104.7	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	161.9
2019	1	18445	City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	IC1	18.5	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	18.8
2019	1	18445	City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	IC2	18.5	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	18.8
2019	1	18445	City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	IC3	18.5	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	18.8
2019	1	18445	City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	IC4	18.5	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	18.8
2019	1	58519	Clean Energy Collective LLC	Electric Utility	SCE&G Curie CSG	SC	61432	SCCU1	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2019	1	61365	Hilltopper Wind Project, LLC	IPP	Hilltopper Wind Project	IL	61735	WT1	185.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	185.0
2019	1	59458	Landfill Energy Systems Florida	IPP	Sarasota County LFGTE Facility	FL	59686	LESF4	1.6	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	1.6
2019	1	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

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2019	1	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
2019	1	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
2019	1	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
2019	1	13206	Nantucket Electric Co	Electric Utility	Nantucket	MA	1615	18	13.5	Petroleum Liquids	DFO	GT	(U) Under construction, less than or equal to 50 percent complete	15.4
2019	1	13206	Nantucket Electric Co	Electric Utility	Nantucket	MA	1615	19	0.8	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	0.8
2019	1	60389	Rabbit Hill Energy Storage Project	IPP	Rabbit Hill Energy Storage Project	TX	60649	1	9.9	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	9.9
2019	1	18454	Tampa Electric Co	Electric Utility	Bonnie Mine Solar	FL	61655	PV1	34.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	34.0
2019	1	18454	Tampa Electric Co	Electric Utility	Grange Hall Solar	FL	61656	PV1	61.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	61.0
2019	1	18454	Tampa Electric Co	Electric Utility	Lithia Solar	FL	61663	GEN1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2019	1	2770	Terra-Gen Operating Co LLC	IPP	Voyager Wind I	CA	60594	VYGR1	131.1	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	131.1
2019	2	54769	INEOS USA LLC	Industrial	Power Island	TX	10154	GEN2	50.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	50.0
2019	2	54769	INEOS USA LLC	Industrial	Power Island	TX	10154	GEN3	50.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	50.0
2019	3	60688	FGE Goodnight, 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
2019	3	60251	GRP Franklin Renewable Energy Facility, LLC	IPP	GRP Franklin Renewable Energy Facility	GA	60550	GEN	93.5	Wood/Wood Waste Biomass	WDS	ST	(T) Regulatory approvals received. Not under construction	93.5
2019	3	60846	GRP Madison Renewable Energy Facility, LLC	IPP	GRP Madison Renewable Energy Facility	GA	61213	GEN	65.0	Wood/Wood Waste Biomass	WDS	ST	(P) Planned for installation, but regulatory approvals not initiated	65.0
2019	3	9417	Interstate Power and Light Co	Electric Utility	English Farms	IA	61565	1	169.9	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	169.9
2019	3	9417	Interstate Power and Light Co	Electric Utility	Upland Prairie	IA	61564	1	299.3	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	299.3
2019	3	59898	Kawailoa Solar, LLC	IPP	Kawailoa Solar	HI	60125	KAWS	49.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	49.0
2019	3	60987	Lanikuhana Solar LLC	IPP	Lanikuhana Solar LLC	HI	58281	1	14.7	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	14.7
2019	3	56545	Pattern Operators LP	IPP	Grady Wind Energy Center, LLC	NM	60317	1	220.8	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	220.8
2019	3	59967	Phoenix Energy	Electric CHP	North Fork Community Power	CA	60192	NFCP1	2.0	Other Waste Biomass	OBG	IC	(U) Under construction, less than or equal to 50 percent complete	2.0
2019	3	59764	Waipio PV, LLC	IPP	Waipio Solar	HI	60024	WPO	45.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	45.9
2019	4	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
2019	4	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
2019	4	60609	Clean Focus Renewables, Inc.	IPP	Rugged Solar LLC	CA	57960	1	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2019	4	58695	Coronal Development Services	IPP	Casper Solar Center	MD	61320	CSPSC	36.7	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	36.7
2019	4	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
2019	4	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
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	60672	Birdsboro Power LLC	IPP	Birdsboro Power	PA	61035	GEN1	476.0	Natural Gas Fired Combined Cycle	NG	CS	(U) Under construction, less than or equal to 50 percent complete	525.0
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	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
2019	5	17718	Southwestern Public Service Co	Electric Utility	Gaines County	TX	60697	GC-1	186.0	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	225.0
2019	5	19564	University of Notre Dame	Commercial	University of Notre Dame	IN	50366	GT1	5.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	5.4
2019	5	19564	University of Notre Dame	Commercial	University of Notre Dame	IN	50366	GT2	5.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	5.4
2019	5	61029	Upper Michigan Energy Resources Company	Electric Utility	A.J. Mihm Generating Station	MI	61391	M1	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.3
2019	5	61029	Upper Michigan Energy Resources Company	Electric Utility	A.J. Mihm Generating Station	MI	61391	M2	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.3
2019	5	61029	Upper Michigan Energy Resources Company	Electric Utility	A.J. Mihm Generating Station	MI	61391	M3	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.3
2019	5	61029	Upper Michigan Energy Resources Company	Electric Utility	F.D. Kuester Generating Station	MI	61392	K1	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.3
2019	5	61029	Upper Michigan Energy Resources Company	Electric Utility	F.D. Kuester Generating Station	MI	61392	K2	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.3
2019	5	61029	Upper Michigan Energy Resources Company	Electric Utility	F.D. Kuester Generating Station	MI	61392	K3	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.3
2019	5	61029	Upper Michigan Energy Resources Company	Electric Utility	F.D. Kuester Generating Station	MI	61392	K4	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.3
2019	5	61029	Upper Michigan Energy Resources Company	Electric Utility	F.D. Kuester Generating Station	MI	61392	K5	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.3
2019	5	61029	Upper Michigan Energy Resources Company	Electric Utility	F.D. Kuester Generating Station	MI	61392	K6	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.3
2019	5	61029	Upper Michigan Energy Resources Company	Electric Utility	F.D. Kuester Generating Station	MI	61392	K7	18.3	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.3
2019	6	60877	Antelope DSR 3, LLC	IPP	Antelope DSR 3	CA	61265	ADSR3	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2019	6	60395	California Ethanol Power, LLC	Industrial	CE&P Imperial Valley 1	CA	60670	1	50.0	All Other	OTH	CC	(T) Regulatory approvals received. Not under construction	50.0
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	59550	Croda Inc.	Industrial	Croda Atlas Point CHP	DE	59783	91199	2.0	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	2.0
2019	6	39347	East Texas Electric Coop, Inc	Electric Utility	RC Thomas Hydroelectric Project	TX	58645	RCT1	8.7	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	8.9
2019	6	39347	East Texas Electric Coop, Inc	Electric Utility	RC Thomas Hydroelectric Project	TX	58645	RCT2	8.7	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	8.9
2019	6	39347	East Texas Electric Coop, Inc	Electric Utility	RC Thomas Hydroelectric Project	TX	58645	RCT3	8.7	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	8.9
2019	6	11241	Entergy Louisiana LLC	Electric Utility	St. Charles Power Station (LA)	LA	60926	1A	250.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	250.0
2019	6	11241	Entergy Louisiana LLC	Electric Utility	St. Charles Power Station (LA)	LA	60926	1B	250.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	250.0
2019	6	11241	Entergy Louisiana LLC	Electric Utility	St. Charles Power Station (LA)	LA	60926	1C	500.0	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	500.0
2019	6	56625	Flat Water Wind Farm LLC	IPP	Flat Water Wind Farm LLC	NE	57283	WTG2	10.5	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	10.5
2019	6	6452	Florida Power & Light Co	Electric Utility	Okeechobee Clean Energy Center	FL	60345	1A	376.6	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	376.6
2019	6	6452	Florida Power & Light Co	Electric Utility	Okeechobee Clean Energy Center	FL	60345	1B	376.6	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	376.6
2019	6	6452	Florida Power & Light Co	Electric Utility	Okeechobee Clean Energy Center	FL	60345	1C	376.6	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	376.6
2019	6	6452	Florida Power & Light Co	Electric Utility	Okeechobee Clean Energy Center	FL	60345	1ST	593.3	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	593.3
2019	6	61037	Foard City Wind, LLC	IPP	Foard City Wind	TX	61402	FOARD	350.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	350.0
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	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
2019	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
2019	6	59678	KDC Solar PR1, LLC	IPP	KDC Solar PR1, LLC	NJ	59910	SF	22.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	22.0
2019	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	321.6
2019	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
2019	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
2019	6	21461	NRG Canal LLC	IPP	Canal	MA	1599	3	330.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	330.0
2019	6	13402	Nevada Irrigation District	IPP	Loma Rica Hydroelectric Powerhouse	CA	60988	HY1	1.4	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	1.4
2019	6	60874	Niles Valley Energy LLC	IPP	Niles Valley Energy LLC	PA	61286	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	6	60874	Niles Valley Energy LLC	IPP	Niles Valley Energy LLC	PA	61286	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	6	60874	Niles Valley Energy LLC	IPP	Niles Valley Energy LLC	PA	61286	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	6	60874	Niles Valley Energy LLC	IPP	Niles Valley Energy LLC	PA	61286	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	6	60874	Niles Valley Energy LLC	IPP	Niles Valley Energy LLC	PA	61286	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	6	17650	Southern Power Co	IPP	Mankato Energy Center	MN	56104	CTG1	200.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	210.0
2019	6	18414	TES Filer City Station LP	Electric CHP	TES Filer City Station	MI	50835	GEN2	228.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	253.0
2019	6	61215	Techren Solar LLC	IPP	Techren	NV	61611	TECH2	200.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	200.0
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	6	58761	White Camp Solar LLC	IPP	White Camp Solar	TX	58888	WCAMP	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2019	6	60519	Williams Solar, LLC	IPP	Williams Solar, LLC	TX	60859	PV1	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2019	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

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	7	61276	West Liberty Renewables LLC	IPP	West Liberty Wind Farm	IA	61057	T1	2.5	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	2.5
2019	7	61276	West Liberty Renewables LLC	IPP	West Liberty Wind Farm	IA	61057	T2	2.5	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	2.5
2019	8	58718	Na Pua Makani Power Partners LLC	IPP	Na Pua Makani Wind Project	HI	58837	WT1	25.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	25.0
2019	8	59056	Tri Global Energy, LLC	IPP	Canyon Wind Project, LLC	TX	60271	WT1	360.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	360.0
2019	9	60328	Big Level Wind LLC	IPP	Big Level Wind	PA	60551	BLW01	90.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	90.0
2019	9	60719	Broadlands Wind Farm LLC	IPP	Broadlands Wind Farm	IL	61161	GEN01	300.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	300.0
2019	9	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
2019	9	61302	Depot Solar Center, LLC	IPP	Depot Solar Center, LLC	VA	61691	DEPOT	15.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	15.0
2019	9	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
2019	9	17609	Southern California Edison Co	Electric Utility	DESI-1 Battery Energy Storage Facility	CA	60699	DESI1	2.4	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	2.4
2019	9	19539	University of Iowa	Commercial	University of Iowa Main Power Plant	IA	54775	GEN12	5.8	Natural Gas Steam Turbine	NG	ST	(L) Regulatory approvals pending. Not under construction	5.8
2019	9	19539	University of Iowa	Commercial	University of Iowa Main Power Plant	IA	54775	GEN13	10.0	Natural Gas Steam Turbine	NG	ST	(L) Regulatory approvals pending. Not under construction	10.0
2019	9	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
2019	9	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
2019	10	60797	68SF 8me LLC	IPP	Eland 1 Solar Farm	CA	61168	68SF8	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2019	10	60720	Martinsdale Wind Farm LLC	IPP	Martinsdale Wind Farm	MT	61108	MTD	80.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	80.0
2019	10	14232	Otter Tail Power Co	Electric Utility	Merricourt Wind Project	ND	57048	1	150.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	150.0
2019	10	16657	San Jose/Santa Clara Water P C	Commercial	SJ/SC WPCP	CA	56080	EG4	3.5	Other Waste Biomass	OBG	IC	(P) Planned for installation, but regulatory approvals not initiated	3.5
2019	10	16657	San Jose/Santa Clara Water P C	Commercial	SJ/SC WPCP	CA	56080	EG5	3.5	Other Waste Biomass	OBG	IC	(P) Planned for installation, but regulatory approvals not initiated	3.5
2019	10	16657	San Jose/Santa Clara Water P C	Commercial	SJ/SC WPCP	CA	56080	EG6	3.5	Other Waste Biomass	OBG	IC	(P) Planned for installation, but regulatory approvals not initiated	3.5
2019	10	16657	San Jose/Santa Clara Water P C	Commercial	SJ/SC WPCP	CA	56080	EG7	3.5	Other Waste Biomass	OBG	IC	(P) Planned for installation, but regulatory approvals not initiated	3.5
2019	10	61330	Turtle Creek Wind Farm LLC	IPP	Turtle Creek Wind Farm LLC	IA	61638	TC1	200.1	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	200.1
2019	10	59260	Wright Solar Park LLC	IPP	Wright Solar Park	CA	59525	FRWSP	200.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	200.0
2019	11	3046	Duke Energy Progress - (NC)	Electric Utility	Asheville	NC	2706	CT5	191.2	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	191.2
2019	11	3046	Duke Energy Progress - (NC)	Electric Utility	Asheville	NC	2706	CT7	191.2	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	191.2
2019	11	3046	Duke Energy Progress - (NC)	Electric Utility	Asheville	NC	2706	ST6	102.0	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated	102.0
2019	11	3046	Duke Energy Progress - (NC)	Electric Utility	Asheville	NC	2706	ST8	102.0	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated	102.0
2019	12	60600	Adams Solar, LLC	IPP	Adams Solar	NC	60949	PV1	2.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.0
2019	12	61118	Ameresco, Inc - Candlewood	IPP	Candlewood Solar	CT	61517	CANDL	25.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	25.0
2019	12	59192	Amity Energy, LLC	IPP	Amity Energy LLC	PA	59418	1	6.8	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	7.0
2019	12	59192	Amity Energy, LLC	IPP	Amity Energy LLC	PA	59418	2	6.8	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	7.0
2019	12	59192	Amity Energy, LLC	IPP	Amity Energy LLC	PA	59418	3	6.8	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	7.0
2019	12	60927	Anchor Energy LLC	IPP	Anchor Energy	PA	61304	GEN1	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	12	60927	Anchor Energy LLC	IPP	Anchor Energy	PA	61304	GEN2	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	12	60927	Anchor Energy LLC	IPP	Anchor Energy	PA	61304	GEN3	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	12	60927	Anchor Energy LLC	IPP	Anchor Energy	PA	61304	GEN4	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	12	60927	Anchor Energy LLC	IPP	Anchor Energy	PA	61304	GEN5	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	12	15399	Avangrid Renewables LLC	IPP	Karankawa Wind LLC	TX	61343	WT1	200.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	200.0
2019	12	15399	Avangrid Renewables LLC	IPP	Montague Wind Power Facility LLC	OR	58099	1	200.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	200.0
2019	12	15399	Avangrid Renewables LLC	IPP	Otter Creek Wind Farm LLC	IL	61344	WT1	129.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	129.0
2019	12	15399	Avangrid Renewables LLC	IPP	Tatanka Ridge	SD	61046	WT1	98.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	98.0
2019	12	58687	Bayles Energy LLC	IPP	Bayles	PA	58816	1	6.8	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	7.0
2019	12	58687	Bayles Energy LLC	IPP	Bayles	PA	58816	2	6.8	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	7.0
2019	12	58687	Bayles Energy LLC	IPP	Bayles	PA	58816	3	6.8	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	7.0
2019	12	60289	Blazing Star Wind Farm, LLC	IPP	Blazing Star Wind Farm 1	MN	60504	BLZG1	200.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	200.0
2019	12	60714	Burke Wind LLC	IPP	Burke Wind, LLC	ND	61100	GE23	199.4	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	199.4
2019	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
2019	12	59365	Capital Power Corporation	IPP	Garrison Butte Wind, LLC	ND	60066	GEN	150.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	150.0
2019	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
2019	12	60288	Cattle Ridge Wind Farm, LLC	IPP	Cattle Ridge Wind Farm 1	SD	60503	CTTL1	200.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	200.0
2019	12	58391	Chilocco Wind Farm LLC	IPP	Chilocco Wind Farm	OK	58406	1	200.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	200.0
2019	12	58695	Coronal Development Services	IPP	Biggs Ford Solar Center	MD	61321	BFSC	15.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	15.0
2019	12	60290	Crocker Wind Farm, LLC	IPP	Crocker Wind Farm	SD	60505	CRCKR	200.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	200.0
2019	12	59464	Current Energy Group	IPP	Hickory	NC	59829	5515	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2019	12	56215	E ON Climate Renewables N America LLC	IPP	Vici Wind Farm	OK	59062	VICI	180.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	180.0
2019	12	58672	Everpower Wind Holdings Inc	IPP	Baron Winds Farm	NY	60596	1	272.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	272.0
2019	12	58672	Everpower Wind Holdings Inc	IPP	Buckeye Wind Farm	OH	58776	1	99.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	99.0
2019	12	58672	Everpower Wind Holdings Inc	IPP	Cassadaga Wind Farm	NY	58777	1	126.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	126.0
2019	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
2019	12	58672	Everpower Wind Holdings Inc	IPP	Mason Dixon Wind Farm	PA	60212	1	79.9	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	79.9
2019	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
2019	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
2019	12	58672	Everpower Wind Holdings Inc	IPP	Sand Creek Wind Farm	MT	60595	WT1	75.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	75.0
2019	12	58672	Everpower Wind Holdings Inc	IPP	Scioto Ridge Wind Farm	OH	58780	1	189.2	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	189.2
2019	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
2019	12	60405	FDS Coke Plant, LLC	Electric CHP	FDS Co-Generation Facility	OH	60693	1	110.0	Other Gases	OG	ST	(T) Regulatory approvals received. Not under construction	135.0
2019	12	59745	First Solar Asset Management	IPP	North Rosamond Solar LLC	CA	59879	GEN01	150.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	150.0
2019	12	59745	First Solar Asset Management	IPP	Twiggs Solar	GA	61696	TWIGG	200.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	200.0
2019	12	56615	First Solar Project Development	IPP	Sunshine Valley Solar	NV	59826	GEN01	102.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
2019	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
2019	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
2019	12	58692	Florey Knob LLC	IPP	Florey Knobb	PA	58821	1	6.8	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	7.0
2019	12	58692	Florey Knob LLC	IPP	Florey Knobb	PA	58821	2	6.8	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	7.0
2019	12	58692	Florey Knob LLC	IPP	Florey Knobb	PA	58821	3	6.8	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	7.0
2019	12	6541	Formosa Plastics Corp	Industrial	Formosa Utility Venture Ltd	TX	10554	3ST1	38.0	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	40.0
2019	12	6541	Formosa Plastics Corp	Industrial	Formosa Utility Venture Ltd	TX	10554	3TBG1	97.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	102.0
2019	12	6541	Formosa Plastics Corp	Industrial	Formosa Utility Venture Ltd	TX	10554	3TBG2	97.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	102.0
2019	12	7140	Georgia Power Co	Electric Utility	Robins Air Force Base Solar	GA	61648	1	139.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	139.0
2019	12	61166	Green Power Energy LLC	IPP	Cody Road Wind Farm	NY	61592	WT1	2.4	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	2.4
2019	12	61166	Green Power Energy LLC	IPP	Cody Road Wind Farm	NY	61592	WT2	2.4	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	2.4
2019	12	61166	Green Power Energy LLC	IPP	Cody Road Wind Farm	NY	61592	WT3	2.4	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	2.4
2019	12	61166	Green Power Energy LLC	IPP	Cody Road Wind Farm	NY	61592	WT4	2.4	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	2.4
2019	12	61166	Green Power Energy LLC	IPP	Cody Road Wind Farm	NY	61592	WT5	2.4	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	2.4
2019	12	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
2019	12	60928	Holdridge Energy LLC	IPP	Holdridge Energy	PA	61305	GEN1	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	12	60928	Holdridge Energy LLC	IPP	Holdridge Energy	PA	61305	GEN2	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	12	60928	Holdridge Energy LLC	IPP	Holdridge Energy	PA	61305	GEN3	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	12	60928	Holdridge Energy LLC	IPP	Holdridge Energy	PA	61305	GEN4	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	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)
2019	12	60928	Holdridge Energy LLC	IPP	Holdridge Energy	PA	61305	GEN5	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	12	58684	Hop Bottom Energy LLC	IPP	Hop Bottom	PA	58800	1	6.8	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	7.0
2019	12	58684	Hop Bottom Energy LLC	IPP	Hop Bottom	PA	58800	2	6.8	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	7.0
2019	12	58684	Hop Bottom Energy LLC	IPP	Hop Bottom	PA	58800	3	6.8	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	7.0
2019	12	60349	Juneau Hydropower, Inc	IPP	Sweetheart Lake Hydroelectric Facility	AK	60588	JHI01	6.6	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	6.6
2019	12	60349	Juneau Hydropower, Inc	IPP	Sweetheart Lake Hydroelectric Facility	AK	60588	JHI02	6.6	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	6.6
2019	12	60349	Juneau Hydropower, Inc	IPP	Sweetheart Lake Hydroelectric Facility	AK	60588	JHI03	6.6	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	6.6
2019	12	56939	Lexington Chenoa Wind Farm II LLC	IPP	Bright Stalk Wind Farm II	IL	57622	GEN1	200.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	200.0
2019	12	56940	Lexington Chenoa Wind Farm LLC	IPP	Bright Stalk Wind Farm I	IL	57623	GEN1	200.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	200.0
2019	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
2019	12	60340	M&G Resins USA, LLC	Industrial	M&G Resins USA	TX	60642	1	11.7	All Other	WH	OT	(U) Under construction, less than or equal to 50 percent complete	14.3
2019	12	60340	M&G Resins USA, LLC	Industrial	M&G Resins USA	TX	60642	2	11.7	All Other	WH	OT	(U) Under construction, less than or equal to 50 percent complete	14.3
2019	12	12341	MidAmerican Energy Co	Electric Utility	Orient Wind Farm	IA	61077	1	482.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	482.0
2019	12	12341	MidAmerican Energy Co	Electric Utility	Plum Creek Wind	IA	61078	1	500.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	500.0
2019	12	60929	Mineral Point Energy LLC	IPP	Mineral Point Energy	PA	61300	GEN1	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	12	60929	Mineral Point Energy LLC	IPP	Mineral Point Energy	PA	61300	GEN2	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	12	60929	Mineral Point Energy LLC	IPP	Mineral Point Energy	PA	61300	GEN3	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	12	60929	Mineral Point Energy LLC	IPP	Mineral Point Energy	PA	61300	GEN4	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	12	60929	Mineral Point Energy LLC	IPP	Mineral Point Energy	PA	61300	GEN5	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	12	60952	Mt. Jackson Solar LLC	IPP	Mt. Jackson Solar	VA	61318	SOLAR	15.7	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	15.7
2019	12	60442	New Colony Wind LLC	IPP	New Colony Wind Project	MT	60718	WT1	23.1	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	23.1
2019	12	58653	Oxbow Creek Energy LLC	IPP	Oxbow Creek	PA	58714	1	6.8	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	7.0
2019	12	58653	Oxbow Creek Energy LLC	IPP	Oxbow Creek	PA	58714	2	6.8	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	7.0
2019	12	58653	Oxbow Creek Energy LLC	IPP	Oxbow Creek	PA	58714	3	6.8	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	7.0
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	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
2019	12	60982	RE Maplewood LLC	IPP	RE Maplewood	TX	61346	PV1	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2019	12	60982	RE Maplewood LLC	IPP	RE Maplewood	TX	61346	PV2	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2019	12	60982	RE Maplewood LLC	IPP	RE Maplewood	TX	61346	PV3	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2019	12	60646	Reading Wind Energy, LLC	IPP	Reading Wind Project	KS	60999	READW	200.1	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	200.1
2019	12	60930	Red Glen Energy LLC	IPP	Red Glen Energy	PA	61306	GEN1	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	12	60930	Red Glen Energy LLC	IPP	Red Glen Energy	PA	61306	GEN2	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	12	60930	Red Glen Energy LLC	IPP	Red Glen Energy	PA	61306	GEN3	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	12	60930	Red Glen Energy LLC	IPP	Red Glen Energy	PA	61306	GEN4	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	12	60930	Red Glen Energy LLC	IPP	Red Glen Energy	PA	61306	GEN5	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	12	60897	Salinas Valley Solid Waste Authority	IPP	Crazy Horse Solar Project	CA	61285	PV1	2.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.0
2019	12	16609	San Diego Gas & Electric Co	Electric Utility	Top Gun Energy Storage	CA	61366	TGES	10.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	10.0
2019	12	61321	Seabrook Solar, LLC	IPP	Seabrook Solar	SC	61701	GEN1	70.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	72.5
2019	12	60387	Skylar Resources, LP	IPP	Townsite Solar Project	NV	60654	GEN01	160.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	180.0
2019	12	60523	Springfield Project Development LLC	IPP	Homestead Wind LLC	IL	60871	HOMES	50.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2019	12	60931	Stourbridge Energy LLC	IPP	Stourbridge Energy	PA	61301	GEN1	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	12	60931	Stourbridge Energy LLC	IPP	Stourbridge Energy	PA	61301	GEN2	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	12	60931	Stourbridge Energy LLC	IPP	Stourbridge Energy	PA	61301	GEN3	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	12	60931	Stourbridge Energy LLC	IPP	Stourbridge Energy	PA	61301	GEN4	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	12	60931	Stourbridge Energy LLC	IPP	Stourbridge Energy	PA	61301	GEN5	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	12	18454	Tampa Electric Co	Electric Utility	Wimauma Solar	FL	61667	1	74.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	74.5
2019	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
2019	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
2019	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
2019	12	59098	Trishe Wind Ohio LLC	IPP	Trishe Wind Ohio LLC	OH	59296	NWOH2	150.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	150.0
2019	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
2019	12	60597	Violet Solar, LLC	IPP	Violet Solar	NC	60961	PV1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2019	12	60694	Washburn Wind Energy LLC	IPP	Washburn Wind Farm	IA	61071	WASH	70.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	70.0
2019	12	60599	Washington Solar, LLC	IPP	Washington Solar	NC	60948	PV1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2019	12	20323	Wellhead Services Inc	IPP	Stanton Energy Reliability Center	CA	60698	GT1	45.9	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	60.5
2019	12	20323	Wellhead Services Inc	IPP	Stanton Energy Reliability Center	CA	60698	GT2	45.9	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	60.5
2019	12	20323	Wellhead Services Inc	IPP	Stanton Energy Reliability Center	CA	60698	GT3	45.9	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	60.5
2019	12	60932	Wrighter Energy LLC	IPP	Wrighter Energy	PA	61302	GEN1	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	12	60932	Wrighter Energy LLC	IPP	Wrighter Energy	PA	61302	GEN2	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	12	60932	Wrighter Energy LLC	IPP	Wrighter Energy	PA	61302	GEN3	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	12	60932	Wrighter Energy LLC	IPP	Wrighter Energy	PA	61302	GEN4	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2019	12	60932	Wrighter Energy LLC	IPP	Wrighter Energy	PA	61302	GEN5	4.4	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2020	1	60278	64KT 8me LLC	IPP	Springbok 3 Solar Farm	CA	60491	SB3SF	90.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	90.0
2020	1	60667	Aksamit Energy Development	IPP	Monument Road	NE	61033	MR001	66.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	66.0
2020	1	59365	Capital Power Corporation	IPP	Salt Springs Wind Farm	KS	60807	WT	200.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	200.0
2020	1	56534	Cricket Valley Energy Center LLC	IPP	Cricket Valley Energy	NY	57185	U001	345.0	Natural Gas Fired Combined Cycle	NG	CC	(T) Regulatory approvals received. Not under construction	390.0
2020	1	61060	Cypress Creek Renewables	IPP	Thigpen Farms Solar, LLC	NC	60850	PV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2020	1	13478	Entergy New Orleans, LLC	Electric Utility	New Orleans Power	LA	60928	1	250.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	250.0
2020	1	56615	First Solar Project Development	IPP	White Wing Solar	AZ	60572	GEN01	200.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	200.0
2020	1	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
2020	1	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
2020	1	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
2020	1	18454	Tampa Electric Co	Electric Utility	Alafia Solar	FL	61653	PV1	50.3	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	50.0
2020	1	59056	Tri Global Energy, LLC	IPP	Changing Winds	TX	59243	CHAN1	288.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	288.0
2020	1	20856	Wisconsin Power & Light Co	Electric Utility	Riverside Energy Center	WI	55641	CTG3	225.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	232.9
2020	1	20856	Wisconsin Power & Light Co	Electric Utility	Riverside Energy Center	WI	55641	CTG4	225.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	232.9
2020	1	20856	Wisconsin Power & Light Co	Electric Utility	Riverside Energy Center	WI	55641	PV1	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. 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	(U) Under construction, less than or equal to 50 percent complete	260.1
2020	2	56534	Cricket Valley Energy Center LLC	IPP	Cricket Valley Energy	NY	57185	U002	345.0	Natural Gas Fired Combined Cycle	NG	CC	(T) Regulatory approvals received. Not under construction	390.0
2020	3	23693	AES Huntington Beach LLC	IPP	AES Huntington Beach LLC	CA	335	1A	226.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	231.0
2020	3	23693	AES Huntington Beach LLC	IPP	AES Huntington Beach LLC	CA	335	1B	226.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	231.0
2020	3	23693	AES Huntington Beach LLC	IPP	AES Huntington Beach LLC	CA	335	1S	192.0	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	231.0
2020	3	60350	CPV Fairview, LLC	IPP	CPV Fairview Energy Center	PA	60589	GEN1	1,100.0	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete	1,100.0
2020	3	56534	Cricket Valley Energy Center LLC	IPP	Cricket Valley Energy	NY	57185	U003	345.0	Natural Gas Fired Combined Cycle	NG	CC	(T) Regulatory approvals received. Not under construction	390.0
2020	3	61251	LA3 West Baton Rouge, L.L.C.	IPP	LA3 West Baton Rouge Solar Facility	LA	61646	LA3WB	50.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	50.0
2020	3	60971	NYC ENERGY LLC	IPP	NISA Electric Generation Project	NY	61331	GEN1	59.7	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	70.5
2020	3	60971	NYC ENERGY LLC	IPP	NISA Electric Generation Project	NY	61331	STG1	20.2	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	22.0
2020	3	59056	Tri Global Energy, LLC	IPP	Crosby County Wind Farm, LLC	TX	60273	WT1	120.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	120.0

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)
2020	4	60796	91MC 8me LLC	IPP	Peak Valley Solar Farm	CA	61167	91MC8	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2020	4	22148	AES Alamitos LLC	IPP	AES Alamitos LLC	CA	315	1A	226.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	231.0
2020	4	22148	AES Alamitos LLC	IPP	AES Alamitos LLC	CA	315	1B	226.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	231.0
2020	4	22148	AES Alamitos LLC	IPP	AES Alamitos LLC	CA	315	1S	192.0	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	231.0
2020	4	60167	Concord Blue Eagar, LLC	IPP	Concord Blue Eagar, LLC	AZ	60374	CB001	0.6	Other Waste Biomass	OBG	IC	(L) Regulatory approvals pending. Not under construction	0.6
2020	4	60167	Concord Blue Eagar, LLC	IPP	Concord Blue Eagar, LLC	AZ	60374	CB002	0.6	Other Waste Biomass	OBG	IC	(L) Regulatory approvals pending. Not under construction	0.6
2020	4	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	GTG1	41.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	41.0
2020	5	60383	Henrietta D Energy Storage LLC	IPP	Henrietta D Energy Storage LLC	CA	60641	HDES1	10.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	10.0
2020	5	58901	Hydro Green Energy	IPP	Braddock Lock and Dam	PA	59091	GEN1	5.3	Conventional Hydroelectric	WAT	HY	(OT) Other	5.3
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	5	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	GTG2	41.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	41.0
2020	5	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	GTG3	41.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	41.0
2020	6	60799	33UI 8me LLC	IPP	Long Ridge Solar Farm	UT	61170	33UI8	300.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	300.0
2020	6	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
2020	6	60798	69SV 8me LLC	IPP	Eland 2 Solar Farm	CA	61169	69SV8	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
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	60270	Clark Canyon Hydro, LLC	IPP	Clark Canyon Hydro-Electric Facility	MT	60483	FRNS1	2.4	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.4
2020	6	60270	Clark Canyon Hydro, LLC	IPP	Clark Canyon Hydro-Electric Facility	MT	60483	FRNS2	2.4	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.4
2020	6	49846	Covanta Honolulu Resource Recovery	Commercial	H Power	HI	10334	PV1	2.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.1
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	11241	Entergy Louisiana LLC	Electric Utility	Lake Charles Power	LA	60927	1A	250.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	250.0
2020	6	11241	Entergy Louisiana LLC	Electric Utility	Lake Charles Power	LA	60927	1B	250.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	250.0
2020	6	11241	Entergy Louisiana LLC	Electric Utility	Lake Charles Power	LA	60927	1C	500.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	500.0
2020	6	56615	First Solar Project Development	IPP	Morada del Sol, LLC	TX	61049	PV1	239.3	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	247.0
2020	6	7140	Georgia Power Co	Electric Utility	Vogtle	GA	649	4	1,100.0	Nuclear	NUC	ST	(U) Under construction, less than or equal to 50 percent complete	1,100.0
2020	6	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
2020	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
2020	6	60659	Hickory Run Energy, LLC	IPP	Hickory Run Energy Station	PA	61028	CTG1	283.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	311.0
2020	6	60659	Hickory Run Energy, LLC	IPP	Hickory Run Energy Station	PA	61028	CTG2	283.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	311.0
2020	6	60659	Hickory Run Energy, LLC	IPP	Hickory Run Energy Station	PA	61028	STG1	437.0	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	450.0
2020	6	60986	Imperial Valley Solar 2, LLC	IPP	Mount Signal Solar 2	CA	61353	IVS2	153.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	153.5
2020	6	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
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	55983	Luminant Generation 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	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	55983	Luminant Generation 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	6	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
2020	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
2020	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
2020	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
2020	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
2020	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
2020	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
2020	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
2020	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
2020	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
2020	6	60958	Ohio River Partners Shareholder LLC	IPP	Hannibal Port Power Project	OH	61322	HPPP1	485.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	485.0
2020	6	59489	Perennial-Wind Chaser LLC	IPP	Perennial Wind Chaser Station	OR	59721	GT1	98.7	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	106.0
2020	6	59489	Perennial-Wind Chaser LLC	IPP	Perennial Wind Chaser Station	OR	59721	GT2	98.7	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	106.0
2020	6	59489	Perennial-Wind Chaser LLC	IPP	Perennial Wind Chaser Station	OR	59721	GT3	98.7	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	106.0
2020	6	59489	Perennial-Wind Chaser LLC	IPP	Perennial Wind Chaser Station	OR	59721	GT4	98.7	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	106.0
2020	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
2020	7	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
2020	7	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
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	8	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	STG1	75.0	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	75.0
2020	8	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	STG2	75.0	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	75.0
2020	9	7277	Calpine Corporation	IPP	Buckeye Geothermal Power Plant	CA	57180	1	49.9	Geothermal	GEO	ST	(L) Regulatory approvals pending. Not under construction	56.9
2020	9	7277	Calpine Corporation	IPP	Wild Horse Power Plant	CA	57181	1	40.0	Geothermal	GEO	ST	(L) Regulatory approvals pending. Not under construction	48.0
2020	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
2020	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
2020	9	60388	Mission Rock Energy Center, LLC	IPP	Mission Rock Energy Center	CA	60650	GT1	275.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	275.0
2020	9	61215	Techren Solar LLC	IPP	Techren	NV	61611	TECH3	25.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	25.0
2020	9	61215	Techren Solar LLC	IPP	Techren	NV	61611	TECH4	25.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	25.0
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	10	60569	Lincoln Land Wind, LLC	IPP	Lincoln Land Wind	IL	58925	SAN1	30.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	30.0
2020	10	60568	Sugar Creek Wind One LLC	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
2020	11	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG1	3.0	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	3.0
2020	11	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG2	3.0	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	3.0
2020	11	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG3	3.0	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	3.0
2020	11	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG4	3.0	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	3.0
2020	11	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG5	3.0	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	3.0
2020	11	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG6	3.0	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	3.0
2020	11	61331	Popular Camp Wind Farm LLC	IPP	Poplar Camp Wind Farm	VA	61111	PC1	72.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	72.0
2020	12	15399	Avangrid Renewables LLC	IPP	Roaring Brook, LLC	NY	61041	WT1	78.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	78.0
2020	12	60560	Big Blue Wind Farm, LLC (TX)	IPP	Big Blue River Wind Farm	IN	60907	WT1	200.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	200.0
2020	12	61257	Blazing Star 2 LLC	IPP	Blazing Star 2 Wind Farm	MN	61650	BLZS2	200.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	200.0
2020	12	61030	Bluegrove Wind, LLC	IPP	Bluegrove Wind	TX	61400	BLUGR	100.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	100.0
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	61031	Byers Wind, LLC	IPP	Byers Wind	TX	61401	BYERS	200.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	200.0
2020	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)
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	59365	Capital Power Corporation	IPP	Tisch Mills Wind	WI	60674	TISCH	150.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	150.0
2020	12	59432	Clear Creek Power	IPP	Highland Park Project	CO	59659	HPWT	150.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	150.0
2020	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
2020	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
2020	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
2020	12	58672	Everpower Wind Holdings Inc	IPP	Coyote Crest Wind Farm	WA	58778	1	127.5	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	127.5
2020	12	56615	First Solar Project Development	IPP	Aiya Solar Project	NV	59869	GEN01	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2020	12	56615	First Solar Project Development	IPP	American Kings Solar, LLC	CA	60777	GEN01	123.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	123.0
2020	12	56615	First Solar Project Development	IPP	Snow Mountain Solar, LLC	NV	59935	GEN01	101.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
2020	12	56615	First Solar Project Development	IPP	Willow Spring Solar 3, LLC	CA	60325	GEN01	50.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	50.0
2020	12	60040	Hale Wind Energy	IPP	Hale Community Wind Farm	TX	59247	HALE2	240.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	240.0
2020	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	8	218.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	230.0
2020	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	9	110.0	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated	116.0
2020	12	61010	Ord Mountain Solar, LLC	IPP	Ord Mountain Solar	CA	61372	ORDMT	60.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	60.0
2020	12	56545	Pattern Operators LP	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
2020	12	58842	Power Company of Wyoming LLC	IPP	Chokecherry and Sierra Madre Wind	WY	58987	I-A	687.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	687.0
2020	12	61069	RE Gaskell West LLC	IPP	RE Gaskell West 2 LLC	CA	61446	PV2	45.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	45.0
2020	12	61069	RE Gaskell West LLC	IPP	RE Gaskell West 3 LLC	CA	61447	PV3	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2020	12	61069	RE Gaskell West LLC	IPP	RE Gaskell West 4 LLC	CA	61448	PV4	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2020	12	61069	RE Gaskell West LLC	IPP	RE Gaskell West 5 LLC	CA	61449	PV5	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2020	12	60982	RE Maplewood LLC	IPP	RE Maplewood	TX	61346	PV4	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2020	12	60982	RE Maplewood LLC	IPP	RE Maplewood	TX	61346	PV5	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2020	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
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	61033	Boswell Wind Project I, LLC	IPP	Boswell Wind I	WY	61393	BOSW1	80.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	80.0
2021	1	61034	Boswell Wind Project II, LLC	IPP	Boswell Wind II	WY	61394	BOSW2	80.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	80.0
2021	1	61035	Boswell Wind Project III, LLC	IPP	Boswell Wind III	WY	61395	BOSW3	80.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	80.0
2021	1	61036	Boswell Wind Project IV, LLC	IPP	Boswell Wind IV	WY	61396	BOSW4	80.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	80.0
2021	1	58765	FGE Texas I LLC	IPP	FGE Texas I	TX	58931	CA1	249.9	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	265.2
2021	1	58765	FGE Texas I LLC	IPP	FGE Texas I	TX	58931	GT1	226.7	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	238.9
2021	1	58765	FGE Texas I LLC	IPP	FGE Texas I	TX	58931	GT2	226.7	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	238.9
2021	1	58702	Fluence	IPP	AES ES ALAMITOS, LLC	CA	61204	ALMTS	100.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	100.0
2021	1	60131	South Field Energy, LLC	IPP	South Field Energy	OH	60356	SFECC	1,060.0	Natural Gas Fired Combined Cycle	NG	CC	(T) Regulatory approvals received. Not under construction	1,105.0
2021	1	18454	Tampa Electric Co	Electric Utility	Lake Hancock Solar	FL	61657	PV1	49.6	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	50.0
2021	1	19876	Virginia Electric & Power Co	Electric Utility	Coastal Virginia Offshore Wind (CVOW)	VA	59693	OSW1	12.0	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	12.0
2021	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
2021	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
2021	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
2021	3	56615	First Solar Project Development	IPP	Desert Quartzite	CA	59871	GEN01	450.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	580.0
2021	3	16609	San Diego Gas & Electric Co	Electric Utility	Fallbrook Energy Storage	CA	61365	FBES	40.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	40.0
2021	3	58846	Southeast Renewable Fuels, LLC	Industrial	SRF Sorghum to Ethanol Advanced Biorefin	FL	58997	G1001	12.0	Other Waste Biomass	OBS	ST	(U) Under construction, less than or equal to 50 percent complete	15.0
2021	4	14232	Otter Tail Power Co	Electric Utility	Astoria Station	SD	61144	1	260.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	260.0
2021	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
2021	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
2021	5	14605	City of Peabody - (MA)	Electric Utility	Waters River	MA	1678	3	55.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	60.0
2021	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
2021	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
2021	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
2021	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
2021	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
2021	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
2021	6	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
2021	6	55937	Entergy Texas Inc.	Electric Utility	Montgomery County	TX	60925	1A	250.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	250.0
2021	6	55937	Entergy Texas Inc.	Electric Utility	Montgomery County	TX	60925	1B	250.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	250.0
2021	6	55937	Entergy Texas Inc.	Electric Utility	Montgomery County	TX	60925	1C	500.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	500.0
2021	6	56615	First Solar Project Development	IPP	Portal Ridge Solar A, LLC	CA	60309	GEN01	18.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	18.5
2021	6	60836	NTE Connecticut, LLC	IPP	Killingly Energy Center	CT	61239	KEC	338.9	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	406.0
2021	6	60836	NTE Connecticut, LLC	IPP	Killingly Energy Center	CT	61239	KEC2	249.4	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	297.5
2021	7	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
2021	7	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
2021	7	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
2021	7	58766	FGE Texas II LLC	IPP	FGE Texas II	TX	58930	CA1	249.9	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	265.2
2021	7	58766	FGE Texas II LLC	IPP	FGE Texas II	TX	58930	GT1	226.7	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	238.9
2021	7	58766	FGE Texas II LLC	IPP	FGE Texas II	TX	58930	GT2	226.7	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	238.9
2021	7	56615	First Solar Project Development	IPP	Sun Streams, LLC	AZ	60827	GEN01	150.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	150.0
2021	7	60835	NTE Carolinas II, LLC	IPP	Reidsville Energy Center	NC	61240	REC	474.3	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending. Not under construction	534.5
2021	9	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
2021	9	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
2021	12	60711	Battle Mountain SP, LLC	IPP	Battle Mountain Solar Project	NV	61098	BMSP	101.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	101.0
2021	12	60064	Clean Path Energy Center, LLC	IPP	Clean Path Energy Center	NM	60289	CPEC1	680.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	680.0
2021	12	60064	Clean Path Energy Center, LLC	IPP	Clean Path Energy Center	NM	60289	PVGEN	55.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	55.0
2021	12	59380	Enel Green Power NA, Inc.	IPP	Pomerado Energy Storage, LLC	CA	61390	PMRDO	3.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	3.0
2021	12	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
2021	12	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
2021	12	60221	North Slope LLC	IPP	North Slope, LLC	NY	60420	NSPV	200.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	200.0
2021	12	61301	Plum Creek Wind Farm LLC	IPP	Plum Creek	MN	61687	PLMCK	400.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	400.0
2021	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
2022	1	60835	NTE Carolinas II, LLC	IPP	Reidsville Energy Center	NC	61240	REC2	227.0	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	233.7
2022	1	60473	Renovo Energy Center	IPP	Renovo Energy Center	PA	60786	RECNY	480.0	Natural Gas Fired Combined Cycle	NG	CS	(L) Regulatory approvals pending. Not under construction	513.0
2022	1	60473	Renovo Energy Center	IPP	Renovo Energy Center	PA	60786	RECPJ	480.0	Natural Gas Fired Combined Cycle	NG	CS	(L) Regulatory approvals pending. Not under construction	513.0
2022	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
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	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
2022	12	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
2022	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	(OT) Other	40.0

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2022	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	(OT) Other	40.0
2023	5	16572	Salt River Project	Electric Utility	Copper Crossing Energy Center	AZ	58413	CCGS3	226.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	241.0
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-A	750.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	750.0
2024	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
2024	5	16572	Salt River Project	Electric Utility	Copper Crossing Energy Center	AZ	58413	CCGS1	98.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	116.0
2024	5	16572	Salt River Project	Electric Utility	Copper Crossing Energy Center	AZ	58413	CCGS2	98.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	116.0
2024	5	16572	Salt River Project	Electric Utility	Copper Crossing Energy Center	AZ	58413	CCGS4	226.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	241.0
2024	5	16572	Salt River Project	Electric Utility	Copper Crossing Energy Center	AZ	58413	CCGS5	226.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	241.0
2024	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
2025	1	7189	Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55507	1	156.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	170.0
2025	2	7189	Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55507	2	156.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	170.0
2025	2	7189	Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55507	3	156.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	170.0
2025	2	7189	Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55507	4	390.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	390.0
2025	5	16572	Salt River Project	Electric Utility	Copper Crossing Energy Center	AZ	58413	CCGS6	226.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	241.0
2025	5	16572	Salt River Project	Electric Utility	Copper Crossing Energy Center	AZ	58413	CCGS7	226.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	241.0
2025	5	16572	Salt River Project	Electric Utility	Copper Crossing Energy Center	AZ	58413	CCGS8	226.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	241.0
2026	5	40575	Utah Associated Mun Power Sys	Electric Utility	UAMPS Carbon Free Power Plant	ID	61075	NPM1	47.5	Nuclear	NUC	ST	(P) Planned for installation, but regulatory approvals not initiated	50.0
2026	6	40575	Utah Associated Mun Power Sys	Electric Utility	UAMPS Carbon Free Power Plant	ID	61075	NPM2	47.5	Nuclear	NUC	ST	(P) Planned for installation, but regulatory approvals not initiated	50.0
2026	7	40575	Utah Associated Mun Power Sys	Electric Utility	UAMPS Carbon Free Power Plant	ID	61075	NPM3	47.5	Nuclear	NUC	ST	(P) Planned for installation, but regulatory approvals not initiated	50.0
2026	9	40575	Utah Associated Mun Power Sys	Electric Utility	UAMPS Carbon Free Power Plant	ID	61075	NPM4	47.5	Nuclear	NUC	ST	(P) Planned for installation, but regulatory approvals not initiated	50.0
2026	9	40575	Utah Associated Mun Power Sys	Electric Utility	UAMPS Carbon Free Power Plant	ID	61075	NPM5	47.5	Nuclear	NUC	ST	(P) Planned for installation, but regulatory approvals not initiated	50.0
2026	10	40575	Utah Associated Mun Power Sys	Electric Utility	UAMPS Carbon Free Power Plant	ID	61075	NPM6	47.5	Nuclear	NUC	ST	(P) Planned for installation, but regulatory approvals not initiated	50.0
2026	11	40575	Utah Associated Mun Power Sys	Electric Utility	UAMPS Carbon Free Power Plant	ID	61075	NPM7	47.5	Nuclear	NUC	ST	(P) Planned for installation, but regulatory approvals not initiated	50.0
2026	12	40575	Utah Associated Mun Power Sys	Electric Utility	UAMPS Carbon Free Power Plant	ID	61075	NPM8	47.5	Nuclear	NUC	ST	(P) Planned for installation, but regulatory approvals not initiated	50.0
2027	1	40575	Utah Associated Mun Power Sys	Electric Utility	UAMPS Carbon Free Power Plant	ID	61075	NPM9	47.5	Nuclear	NUC	ST	(P) Planned for installation, but regulatory approvals not initiated	50.0
2027	2	40575	Utah Associated Mun Power Sys	Electric Utility	UAMPS Carbon Free Power Plant	ID	61075	NPM10	47.5	Nuclear	NUC	ST	(P) Planned for installation, but regulatory approvals not initiated	50.0
2027	3	40575	Utah Associated Mun Power Sys	Electric Utility	UAMPS Carbon Free Power Plant	ID	61075	NPM11	47.5	Nuclear	NUC	ST	(P) Planned for installation, but regulatory approvals not initiated	50.0
2027	4	40575	Utah Associated Mun Power Sys	Electric Utility	UAMPS Carbon Free Power Plant	ID	61075	NPM12	47.5	Nuclear	NUC	ST	(P) Planned for installation, but regulatory approvals not initiated	50.0
2027	12	60223	Ketchikan Electric Company	Electric Utility	Mahoney Lake Hydroelectric	AK	59027	GEN 1	9.6	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	9.6

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this table.
Entity ID and Plant ID are official, unique identification numbers assigned by EIA; Generator IDs are assigned by plant owners and/or operators.

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2018	3	16873	City of Sebewaing - (MI)	Electric Utility	Pine Street	MI	7806	1	1.0	Natural Gas Internal Combustion Engine	NG	IC
2018	3	16873	City of Sebewaing - (MI)	Electric Utility	Pine Street	MI	7806	2	1.0	Natural Gas Internal Combustion Engine	NG	IC
2018	3	16873	City of Sebewaing - (MI)	Electric Utility	Pine Street	MI	7806	3	1.0	Petroleum Liquids	DFO	IC
2018	3	16873	City of Sebewaing - (MI)	Electric Utility	Pine Street	MI	7806	4	1.0	Petroleum Liquids	DFO	IC
2018	3	16873	City of Sebewaing - (MI)	Electric Utility	Pine Street	MI	7806	5	1.2	Natural Gas Internal Combustion Engine	NG	IC
2018	3	16873	City of Sebewaing - (MI)	Electric Utility	Pine Street	MI	7806	6	1.2	Natural Gas Internal Combustion Engine	NG	IC
2018	3	12686	Mississippi Power Co	Electric Utility	Jack Watson	MS	2049	3	107.0	Natural Gas Steam Turbine	NG	ST
2018	3	17164	Sierra Pacific Industries Inc	Industrial	Sierra Pacific Sonora	CA	54517	GEN2	6.0	Wood/Wood Waste Biomass	WDS	ST
2018	4	221	Alaska Village Elec Coop, Inc	Electric Utility	Hooper Bay	AK	6319	3A	0.3	Petroleum Liquids	DFO	IC
2018	4	221	Alaska Village Elec Coop, Inc	Electric Utility	Pilot Station	AK	57058	UNIT1	0.4	Petroleum Liquids	DFO	IC
2018	4	11460	City of Macon - (MO)	Electric Utility	Macon	MO	2141	3	4.6	Petroleum Liquids	DFO	IC
2018	4	11713	City of Marshall - (MI)	Electric Utility	Marshall (MI)	MI	1844	IC2	0.9	Natural Gas Internal Combustion Engine	NG	IC
2018	4	11713	City of Marshall - (MI)	Electric Utility	Marshall (MI)	MI	1844	IC4	0.7	Petroleum Liquids	DFO	IC
2018	4	57017	DOE National Renewable Energy Laboratory	Commercial	DOE Golden NWTC Turbine Side	CO	57693	ALSTO	3.0	Onshore Wind Turbine	WND	WT
2018	4	12869	Monterey Regional Waste Mgmt	Commercial	Marina Landfill Gas	CA	10748	U2J02	1.0	Landfill Gas	LFG	IC
2018	4	19876	Virginia Electric & Power Co	Electric Utility	Yorktown	VA	3809	1	159.0	Conventional Steam Coal	BIT	ST
2018	4	19876	Virginia Electric & Power Co	Electric Utility	Yorktown	VA	3809	2	164.0	Conventional Steam Coal	BIT	ST
2018	4	20847	Wisconsin Electric Power Co	Electric Utility	Pleasant Prairie	WI	6170	1	594.0	Conventional Steam Coal	RC	ST
2018	4	20847	Wisconsin Electric Power Co	Electric Utility	Pleasant Prairie	WI	6170	2	594.0	Conventional Steam Coal	RC	ST
2018	5	9205	Illinois Electricial Gen Partn	IPP	Morris Genco LLC	IL	55774	MO4	1.0	Landfill Gas	LFG	IC
2018	5	9205	Illinois Electricial Gen Partn	IPP	Morris Genco LLC	IL	55774	MO5	1.0	Landfill Gas	LFG	IC
2018	5	15908	NRG California South LP	IPP	Etiwanda Generating Station	CA	331	3	320.0	Natural Gas Steam Turbine	NG	ST
2018	5	15908	NRG California South LP	IPP	Etiwanda Generating Station	CA	331	4	320.0	Natural Gas Steam Turbine	NG	ST
2018	5	13756	Northern Indiana Pub Serv Co	Electric Utility	Bailly	IN	995	7	160.0	Conventional Steam Coal	BIT	ST
2018	5	13756	Northern Indiana Pub Serv Co	Electric Utility	Bailly	IN	995	8	320.0	Conventional Steam Coal	BIT	ST
2018	5	15147	PSEG Fossil LLC	IPP	PSEG Sewaren Generating Station	NJ	2411	1	102.8	Natural Gas Steam Turbine	NG	ST
2018	5	15147	PSEG Fossil LLC	IPP	PSEG Sewaren Generating Station	NJ	2411	2	118.0	Natural Gas Steam Turbine	NG	ST
2018	5	15147	PSEG Fossil LLC	IPP	PSEG Sewaren Generating Station	NJ	2411	3	106.2	Natural Gas Steam Turbine	NG	ST
2018	5	15147	PSEG Fossil LLC	IPP	PSEG Sewaren Generating Station	NJ	2411	4	123.6	Natural Gas Steam Turbine	NG	ST
2018	5	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS1	0.9	Conventional Hydroelectric	WAT	HY
2018	5	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS2	0.9	Conventional Hydroelectric	WAT	HY
2018	5	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS3	0.9	Conventional Hydroelectric	WAT	HY
2018	5	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS4	0.9	Conventional Hydroelectric	WAT	HY
2018	5	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS5	0.9	Conventional Hydroelectric	WAT	HY
2018	5	25835	Portland City of	IPP	Ground Water Pumping Station	OR	50105	GPS6	0.9	Conventional Hydroelectric	WAT	HY
2018	6	60415	CP Crane Power, LLC	IPP	CP Crane Power, LLC	MD	1552	1	190.0	Conventional Steam Coal	SUB	ST
2018	6	60415	CP Crane Power, LLC	IPP	CP Crane Power, LLC	MD	1552	2	195.0	Conventional Steam Coal	SUB	ST
2018	6	4922	Dayton Power & Light Co	Electric Utility	J M Stuart	OH	2850	2	577.0	Conventional Steam Coal	BIT	ST
2018	6	4922	Dayton Power & Light Co	Electric Utility	J M Stuart	OH	2850	3	577.0	Conventional Steam Coal	BIT	ST
2018	6	4922	Dayton Power & Light Co	Electric Utility	J M Stuart	OH	2850	4	577.0	Conventional Steam Coal	BIT	ST
2018	6	4922	Dayton Power & Light Co	Electric Utility	J M Stuart	OH	2850	D1	2.2	Petroleum Liquids	DFO	IC
2018	6	4922	Dayton Power & Light Co	Electric Utility	J M Stuart	OH	2850	D2	2.2	Petroleum Liquids	DFO	IC
2018	6	4922	Dayton Power & Light Co	Electric Utility	J M Stuart	OH	2850	D3	2.2	Petroleum Liquids	DFO	IC
2018	6	4922	Dayton Power & Light Co	Electric Utility	J M Stuart	OH	2850	D4	2.2	Petroleum Liquids	DFO	IC
2018	6	4922	Dayton Power & Light Co	Electric Utility	Killen Station	OH	6031	2	600.0	Conventional Steam Coal	BIT	ST
2018	6	4922	Dayton Power & Light Co	Electric Utility	Killen Station	OH	6031	GT1	18.0	Petroleum Liquids	DFO	GT
2018	6	15470	Duke Energy Indiana, LLC	Electric Utility	Connersville	IN	1002	1	37.0	Petroleum Liquids	DFO	GT
2018	6	15470	Duke Energy Indiana, LLC	Electric Utility	Connersville	IN	1002	2	37.0	Petroleum Liquids	DFO	GT
2018	6	15470	Duke Energy Indiana, LLC	Electric Utility	Miami Wabash	IN	1006	1	14.0	Petroleum Liquids	DFO	GT
2018	6	15470	Duke Energy Indiana, LLC	Electric Utility	Miami Wabash	IN	1006	2	12.0	Petroleum Liquids	DFO	GT
2018	6	15470	Duke Energy Indiana, LLC	Electric Utility	Miami Wabash	IN	1006	3	12.0	Petroleum Liquids	DFO	GT
2018	6	15470	Duke Energy Indiana, LLC	Electric Utility	Miami Wabash	IN	1006	5	14.0	Petroleum Liquids	DFO	GT
2018	6	15470	Duke Energy Indiana, LLC	Electric Utility	Miami Wabash	IN	1006	6	12.0	Petroleum Liquids	DFO	GT
2018	6	7651	Greenwood Utilities Comm	Electric Utility	Henderson	MS	2062	1	11.0	Natural Gas Steam Turbine	NG	ST
2018	6	7651	Greenwood Utilities Comm	Electric Utility	Henderson	MS	2062	3	17.9	Natural Gas Steam Turbine	NG	ST
2018	6	7651	Greenwood Utilities Comm	Electric Utility	Henderson	MS	2062	H10	1.3	Natural Gas Internal Combustion Engine	NG	IC
2018	6	7651	Greenwood Utilities Comm	Electric Utility	Henderson	MS	2062	H11	1.3	Natural Gas Internal Combustion Engine	NG	IC
2018	6	7651	Greenwood Utilities Comm	Electric Utility	Henderson	MS	2062	H2	13.0	Natural Gas Fired Combustion Turbine	NG	GT
2018	6	7651	Greenwood Utilities Comm	Electric Utility	Henderson	MS	2062	H4	1.8	Petroleum Liquids	DFO	IC
2018	6	7651	Greenwood Utilities Comm	Electric Utility	Henderson	MS	2062	H5	1.8	Petroleum Liquids	DFO	IC
2018	6	7651	Greenwood Utilities Comm	Electric Utility	Henderson	MS	2062	H6	1.8	Petroleum Liquids	DFO	IC
2018	6	7651	Greenwood Utilities Comm	Electric Utility	Henderson	MS	2062	H7	1.8	Petroleum Liquids	DFO	IC
2018	6	7651	Greenwood Utilities Comm	Electric Utility	Henderson	MS	2062	H8	1.8	Petroleum Liquids	DFO	IC
2018	6	7651	Greenwood Utilities Comm	Electric Utility	Henderson	MS	2062	H9	1.3	Natural Gas Internal Combustion Engine	NG	IC
2018	6	9397	International Turbine Res Inc	IPP	Dinosaur Point	CA	10005	WTGS	17.0	Onshore Wind Turbine	WND	WT
2018	6	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT1	15.2	Natural Gas Fired Combustion Turbine	NG	GT
2018	6	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT2	13.4	Natural Gas Fired Combustion Turbine	NG	GT

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2018	6	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT3	14.2	Natural Gas Fired Combustion Turbine	NG	GT
2018	6	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT4	16.1	Natural Gas Fired Combustion Turbine	NG	GT
2018	6	9417	Interstate Power and Light Co	Electric Utility	Red Cedar	IA	7595	1	13.0	Natural Gas Fired Combustion Turbine	NG	GT
2018	6	11217	Los Angeles County Sanitation	IPP	Commerce Refuse To Energy	CA	10090	GEN1	10.0	Municipal Solid Waste	MSW	ST
2018	6	56772	TX LFG Energy, LP	IPP	Coastal Plains	TX	55554	UNT2	1.7	Landfill Gas	LFG	IC
2018	7	57101	FC Landfill Energy	IPP	FC Landfill Energy	MD	57786	UNIT1	1.0	Landfill Gas	LFG	IC
2018	7	57101	FC Landfill Energy	IPP	FC Landfill Energy	MD	57786	UNIT2	1.0	Landfill Gas	LFG	IC
2018	7	7308	Hawkeye Energy Greenport LLC	IPP	Hawkeye Energy Greenport LLC	NY	55969	U-01	53.5	Petroleum Liquids	KER	GT
2018	7	11479	Madison Gas & Electric Co	Electric Utility	Fitchburg	WI	3991	1	16.6	Natural Gas Fired Combustion Turbine	NG	GT
2018	7	11479	Madison Gas & Electric Co	Electric Utility	Fitchburg	WI	3991	2	15.8	Natural Gas Fired Combustion Turbine	NG	GT
2018	7	15466	Public Service Co of Colorado	Electric Utility	Salida	CO	474	1	0.8	Conventional Hydroelectric	WAT	HY
2018	9	20856	Wisconsin Power & Light Co	Electric Utility	Edgewater	WI	4050	4	294.4	Conventional Steam Coal	SUB	ST
2018	10	11560	City of Manassas - (VA)	Electric Utility	Church Street Plant	VA	7438	C1	0.8	Petroleum Liquids	DFO	IC
2018	10	11560	City of Manassas - (VA)	Electric Utility	Church Street Plant	VA	7438	C2	0.8	Petroleum Liquids	DFO	IC
2018	10	11560	City of Manassas - (VA)	Electric Utility	Church Street Plant	VA	7438	C4	1.0	Petroleum Liquids	DFO	IC
2018	10	18445	City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	1	76.0	Natural Gas Steam Turbine	NG	ST
2018	10	18445	City of Tallahassee - (FL)	Electric Utility	S O Purdom	FL	689	GT2	10.0	Natural Gas Fired Combustion Turbine	NG	GT
2018	10	55951	Exelon Nuclear	IPP	Oyster Creek	NJ	2388	1	607.7	Nuclear	NUC	ST
2018	10	56997	Marina Energy LLC	Commercial	Stockton Athletic Center	NJ	57864	2LOT7	0.5	Solar Photovoltaic	SUN	PV
2018	10	18715	Texas Municipal Power Agency	Electric Utility	Gibbons Creek	TX	6136	1	470.0	Conventional Steam Coal	SUB	ST
2018	11	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	11	56516	Morris Energy Operations Company, LLC	Electric CHP	Bayonne Plant Holding LLC	NJ	50497	GTG2		Natural Gas Fired Combined Cycle	NG	CT
2018	11	56516	Morris Energy Operations Company, LLC	Electric CHP	Bayonne Plant Holding LLC	NJ	50497	GTG3		Natural Gas Fired Combined Cycle	NG	CT
2018	11	56516	Morris Energy Operations Company, LLC	Electric CHP	Bayonne Plant Holding LLC	NJ	50497	STG1		Natural Gas Fired Combined Cycle	NG	CA
2018	12	12647	ALLETE, Inc.	Electric Utility	Clay Boswell	MN	1893	1	67.3	Conventional Steam Coal	SUB	ST
2018	12	12647	ALLETE, Inc.	Electric Utility	Clay Boswell	MN	1893	2	67.4	Conventional Steam Coal	SUB	ST
2018	12	17833	City Utilities of Springfield - (MO)	Electric Utility	James River Power Station	MO	2161	4	56.0	Natural Gas Steam Turbine	NG	ST
2018	12	17833	City Utilities of Springfield - (MO)	Electric Utility	James River Power Station	MO	2161	5	97.0	Natural Gas Steam Turbine	NG	ST
2018	12	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Harris Energy Realty	MA	54981	ALBA	0.3	Conventional Hydroelectric	WAT	HY
2018	12	8776	City of Holyoke Gas and Electric Dept.	Electric Utility	Harris Energy Realty	MA	54981	ALBD	0.4	Conventional Hydroelectric	WAT	HY
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	6455	Duke Energy Florida, LLC	Electric Utility	Crystal River	FL	628	1	324.0	Conventional Steam Coal	BIT	ST
2018	12	6455	Duke Energy Florida, LLC	Electric Utility	Crystal River	FL	628	2	442.0	Conventional Steam Coal	BIT	ST
2018	12	56211	KCP&L Greater Missouri Operations Co	Electric Utility	Sibley	MO	2094	2	42.1	Conventional Steam Coal	SUB	ST
2018	12	56211	KCP&L Greater Missouri Operations Co	Electric Utility	Sibley	MO	2094	3	364.1	Conventional Steam Coal	SUB	ST
2018	12	10000	Kansas City Power & Light Co	Electric Utility	Montrose	MO	2080	2	164.0	Conventional Steam Coal	SUB	ST
2018	12	10000	Kansas City Power & Light Co	Electric Utility	Montrose	MO	2080	3	170.0	Conventional Steam Coal	SUB	ST
2018	12	11479	Madison Gas & Electric Co	Electric Utility	Nine Springs	WI	9674	GT1	14.2	Natural Gas Fired Combustion Turbine	NG	GT
2018	12	11479	Madison Gas & Electric Co	Electric Utility	Sycamore (WI)	WI	3993	1	11.2	Natural Gas Fired Combustion Turbine	NG	GT
2018	12	11479	Madison Gas & Electric Co	Electric Utility	Sycamore (WI)	WI	3993	2	16.6	Natural Gas Fired Combustion Turbine	NG	GT
2018	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	2	104.0	Natural Gas Steam Turbine	NG	ST
2018	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	3	110.0	Natural Gas Steam Turbine	NG	ST
2018	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	4	300.0	Natural Gas Steam Turbine	NG	ST
2018	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	5	330.0	Natural Gas Steam Turbine	NG	ST
2018	12	13960	NRG Cabrillo Power Ops Inc	IPP	Encina	CA	302	GT1	14.0	Natural Gas Fired Combustion Turbine	NG	GT
2018	12	15908	NRG California South LP	IPP	Ellwood	CA	8076	01	54.0	Natural Gas Fired Combustion Turbine	NG	GT
2019	1	13206	Nantucket Electric Co	Electric Utility	Nantucket	MA	1615	12	2.8	Petroleum Liquids	DFO	GT
2019	1	13206	Nantucket Electric Co	Electric Utility	Nantucket	MA	1615	13	2.9	Petroleum Liquids	DFO	GT
2019	2	56997	Marina Energy LLC	Commercial	Stockton Athletic Center	NJ	57864	SAC	0.3	Solar Photovoltaic	SUN	PV
2019	3	59879	Greenleaf Energy LLC	Electric CHP	Greenleaf 1 Power Plant	CA	10350	GEN1	42.0	Natural Gas Fired Combined Cycle	NG	CT
2019	3	59879	Greenleaf Energy LLC	Electric CHP	Greenleaf 1 Power Plant	CA	10350	GEN2	8.0	Natural Gas Fired Combined Cycle	NG	CA
2019	4	7136	Georgia-Pacific Consr Prods LP-Naheola	Industrial	Georgia-Pacific Consr Prods LP-Naheola	AL	10699	GEN1	12.4	Wood/Wood Waste Biomass	BLQ	ST
2019	4	7136	Georgia-Pacific Consr Prods LP-Naheola	Industrial	Georgia-Pacific Consr Prods LP-Naheola	AL	10699	GEN2	12.4	Wood/Wood Waste Biomass	BLQ	ST
2019	4	56997	Marina Energy LLC	Commercial	Stockton Athletic Center	NJ	57864	LOT7	0.2	Solar Photovoltaic	SUN	PV
2019	4	56997	Marina Energy LLC	Commercial	Stockton Athletic Center	NJ	57864	LOT7B	0.2	Solar Photovoltaic	SUN	PV
2019	5	29926	Entergy Nuclear Generation Co	IPP	Pilgrim Nuclear Power Station	MA	1590	1	677.2	Nuclear	NUC	ST
2019	5	60771	Marcus Hook 50 L.P	Electric CHP	Marcus Hook Refinery Cogen	PA	50074	GEN1	48.0	Natural Gas Fired Combustion Turbine	NG	GT
2019	6	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	5	55.0	Conventional Steam Coal	SUB	ST
2019	6	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	6	55.0	Conventional Steam Coal	SUB	ST
2019	6	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	7	83.0	Conventional Steam Coal	SUB	ST
2019	6	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	8	83.0	Conventional Steam Coal	SUB	ST
2019	6	20847	Wisconsin Electric Power Co	Electric Utility	Presque Isle	MI	1769	9	83.0	Conventional Steam Coal	SUB	ST
2019	8	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	4	103.8	Conventional Hydroelectric	WAT	HY
2019	9	55951	Exelon Nuclear	IPP	Three Mile Island	PA	8011	1	802.8	Nuclear	NUC	ST
2019	9	17166	Sierra Pacific Power Co	Electric Utility	Brunswick	NV	6510	1	2.0	Petroleum Liquids	DFO	IC
2019	9	17166	Sierra Pacific Power Co	Electric Utility	Brunswick	NV	6510	2	2.0	Petroleum Liquids	DFO	IC

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	9	17166	Sierra Pacific Power Co	Electric Utility	Brunswick	NV	6510	3	2.0	Petroleum Liquids	DFO	IC
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	10	60415	CP Crane Power, LLC	IPP	CP Crane Power, LLC	MD	1552	GT1	14.0	Petroleum Liquids	DFO	GT
2019	10	16657	San Jose/Santa Clara Water P C	Commercial	SJ/SC WPCP	CA	56080	EG1	2.8	Natural Gas Internal Combustion Engine	NG	IC
2019	10	16657	San Jose/Santa Clara Water P C	Commercial	SJ/SC WPCP	CA	56080	EG2	2.8	Natural Gas Internal Combustion Engine	NG	IC
2019	10	16657	San Jose/Santa Clara Water P C	Commercial	SJ/SC WPCP	CA	56080	EG3	2.8	Natural Gas Internal Combustion Engine	NG	IC
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	22148	AES Alamitos LLC	IPP	AES Alamitos LLC	CA	315	1	175.0	Natural Gas Steam Turbine	NG	ST
2019	12	22148	AES Alamitos LLC	IPP	AES Alamitos LLC	CA	315	2	175.0	Natural Gas Steam Turbine	NG	ST
2019	12	22148	AES Alamitos LLC	IPP	AES Alamitos LLC	CA	315	6	495.0	Natural Gas Steam Turbine	NG	ST
2019	12	195	Alabama Power Co	Electric Utility	Barry	AL	3	1	55.0	Natural Gas Steam Turbine	NG	ST
2019	12	195	Alabama Power Co	Electric Utility	Barry	AL	3	2	55.0	Natural Gas Steam Turbine	NG	ST
2019	12	195	Alabama Power Co	Electric Utility	Gadsden	AL	7	1	64.0	Natural Gas Steam Turbine	NG	ST
2019	12	195	Alabama Power Co	Electric Utility	Gadsden	AL	7	2	66.0	Natural Gas Steam Turbine	NG	ST
2019	12	56706	Chevron Technology Ventures	IPP	Questa Solar Facility	NM	57369	QST	1.0	Solar Photovoltaic	SUN	PV
2019	12	59879	Greenleaf Energy LLC	Electric CHP	Greenleaf 2 Power Plant	CA	10349	GEN1	49.5	Natural Gas Fired Combustion Turbine	NG	GT
2019	12	8688	Hofstra University	Commercial	Hofstra University	NY	51035	GEN1	1.1	Natural Gas Internal Combustion Engine	NG	IC
2019	12	8688	Hofstra University	Commercial	Hofstra University	NY	51035	GEN2	1.1	Natural Gas Internal Combustion Engine	NG	IC
2019	12	56211	KCP&L Greater Missouri Operations Co	Electric Utility	Lake Road (MO)	MO	2098	4	97.1	Natural Gas Steam Turbine	NG	ST
2019	12	16572	Salt River Project	Electric Utility	Navajo	AZ	4941	NAV1	750.0	Conventional Steam Coal	BIT	ST
2019	12	16572	Salt River Project	Electric Utility	Navajo	AZ	4941	NAV2	750.0	Conventional Steam Coal	BIT	ST
2019	12	16572	Salt River Project	Electric Utility	Navajo	AZ	4941	NAV3	750.0	Conventional Steam Coal	BIT	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
2020	1	14328	Pacific Gas & Electric Co.	Electric Utility	Kilarc	CA	253	1	1.6	Conventional Hydroelectric	WAT	HY
2020	1	14328	Pacific Gas & Electric Co.	Electric Utility	Kilarc	CA	253	2	1.6	Conventional Hydroelectric	WAT	HY
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	4	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
2020	5	6455	Duke Energy Florida, LLC	Electric Utility	Avon Park	FL	624	P1	24.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	5	6455	Duke Energy Florida, LLC	Electric Utility	Avon Park	FL	624	P2	24.0	Petroleum Liquids	DFO	GT
2020	5	6455	Duke Energy Florida, LLC	Electric Utility	Higgins	FL	630	P1	20.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	5	6455	Duke Energy Florida, LLC	Electric Utility	Higgins	FL	630	P2	25.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	5	6455	Duke Energy Florida, LLC	Electric Utility	Higgins	FL	630	P3	31.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	5	6455	Duke Energy Florida, LLC	Electric Utility	Higgins	FL	630	P4	31.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	5	6526	FirstEnergy Generation Corp	IPP	FirstEnergy W H Sammis	OH	2866	1	180.0	Conventional Steam Coal	BIT	ST
2020	5	6526	FirstEnergy Generation Corp	IPP	FirstEnergy W H Sammis	OH	2866	2	180.0	Conventional Steam Coal	BIT	ST
2020	5	6526	FirstEnergy Generation Corp	IPP	FirstEnergy W H Sammis	OH	2866	3	180.0	Conventional Steam Coal	BIT	ST
2020	5	6526	FirstEnergy Generation Corp	IPP	FirstEnergy W H Sammis	OH	2866	4	180.0	Conventional Steam Coal	BIT	ST
2020	5	16721	S D Warren Co.- Westbrook	Industrial	S D Warren Westbrook	ME	50447	GN18	0.4	Conventional Hydroelectric	WAT	HY
2020	5	16721	S D Warren Co.- Westbrook	Industrial	S D Warren Westbrook	ME	50447	GN19	0.4	Conventional Hydroelectric	WAT	HY
2020	5	16721	S D Warren Co.- Westbrook	Industrial	S D Warren Westbrook	ME	50447	GN20	0.4	Conventional Hydroelectric	WAT	HY
2020	6	7483	City of Grand Haven - (MI)	Electric Utility	Grand Haven Diesel Plant	MI	1826	1	8.4	Natural Gas Internal Combustion Engine	NG	IC
2020	6	60422	H.A. Wagner LLC	IPP	Herbert A Wagner	MD	1554	2	118.0	Conventional Steam Coal	RC	ST
2020	7	14328	Pacific Gas & Electric Co.	Electric Utility	Cow Creek	CA	229	1	0.9	Conventional Hydroelectric	WAT	HY
2020	7	14328	Pacific Gas & Electric Co.	Electric Utility	Cow Creek	CA	229	2	0.9	Conventional Hydroelectric	WAT	HY
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

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
2020	12	22148	AES Alamitos LLC	IPP	AES Alamitos LLC	CA	315	5	485.0	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	56155	Lansing Board of Water and Light	Electric Utility	Eckert Station	MI	1831	4	64.0	Conventional Steam Coal	SUB	ST
2020	12	56155	Lansing Board of Water and Light	Electric Utility	Eckert Station	MI	1831	5	63.1	Conventional Steam Coal	SUB	ST
2020	12	56155	Lansing Board of Water and Light	Electric Utility	Eckert Station	MI	1831	6	62.8	Conventional Steam Coal	SUB	ST
2020	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	1	107.0	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	61013	Northern Westchester Hospital	Commercial	Northern Westchester Hospital	NY	61378	4	0.8	Petroleum Liquids	DFO	IC
2020	12	61013	Northern Westchester Hospital	Commercial	Northern Westchester Hospital	NY	61378	5	0.8	Petroleum Liquids	DFO	IC
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	RC	ST
2020	12	20856	Wisconsin Power & Light Co	Electric Utility	Rock River	WI	4057	3	21.2	Natural Gas Fired Combustion Turbine	NG	GT
2020	12	20856	Wisconsin Power & Light Co	Electric Utility	Rock River	WI	4057	4	14.3	Natural Gas Fired Combustion Turbine	NG	GT
2020	12	20856	Wisconsin Power & Light Co	Electric Utility	Rock River	WI	4057	5	49.8	Natural Gas Fired Combustion Turbine	NG	GT
2020	12	20856	Wisconsin Power & Light Co	Electric Utility	Rock River	WI	4057	6	46.7	Natural Gas Fired Combustion Turbine	NG	GT
2020	12	20856	Wisconsin Power & Light Co	Electric Utility	Sheepskin	WI	4059	1	34.3	Natural Gas Fired Combustion Turbine	NG	GT
2021	1	15908	NRG California South LP	IPP	Ormond Beach	CA	350	1	741.0	Natural Gas Steam Turbine	NG	ST
2021	1	15908	NRG California South LP	IPP	Ormond Beach	CA	350	2	775.0	Natural Gas Steam Turbine	NG	ST
2021	1	15248	Portland General Electric Co	Electric Utility	Boardman	OR	6106	1	585.0	Conventional Steam Coal	SUB	ST
2021	4	6028	Entergy Nuclear Indian Point 3	IPP	Indian Point 3	NY	8907	3	1,041.3	Nuclear	NUC	ST
2021	4	17633	Southern Indiana Gas & Elec Co	Electric Utility	Northeast (IN)	IN	1013	1	10.0	Natural Gas Fired Combustion Turbine	NG	GT
2021	4	17633	Southern Indiana Gas & Elec Co	Electric Utility	Northeast (IN)	IN	1013	2	10.0	Natural Gas Fired Combustion Turbine	NG	GT
2021	5	58435	Collinwood BioEnergy	Industrial	Collinwood BioEnergy Facility	OH	58439	CBE01	1.0	Other Waste Biomass	OBG	IC
2021	6	14232	Otter Tail Power Co	Electric Utility	Hoot Lake	MN	1943	2	58.0	Conventional Steam Coal	SUB	ST
2021	6	14232	Otter Tail Power Co	Electric Utility	Hoot Lake	MN	1943	3	80.0	Conventional Steam Coal	SUB	ST
2021	9	17166	Sierra Pacific Power Co	Electric Utility	Fort Churchill	NV	2330	2	113.0	Natural Gas Steam Turbine	NG	ST
2021	10	14127	Omaha Public Power District	Electric Utility	North Omaha	NE	2291	1	64.8	Natural Gas Steam Turbine	NG	ST
2021	10	14127	Omaha Public Power District	Electric Utility	North Omaha	NE	2291	2	90.8	Natural Gas Steam Turbine	NG	ST
2021	10	14127	Omaha Public Power District	Electric Utility	North Omaha	NE	2291	3	86.0	Natural Gas Steam Turbine	NG	ST
2022	1	59409	Eco Services Corp.	Industrial	Houston Plant	TX	52065	GEN2	1.5	All Other	WH	ST
2022	6	56192	Entergy Nuclear Palisades LLC	IPP	Palisades	MI	1715	1	801.8	Nuclear	NUC	ST
2022	7	15298	Talen Montana LLC	IPP	Colstrip	MT	6076	1	307.0	Conventional Steam Coal	SUB	ST
2022	7	15298	Talen Montana LLC	IPP	Colstrip	MT	6076	2	307.0	Conventional Steam Coal	SUB	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	SUB	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	15470	Duke Energy Indiana, LLC	Electric Utility	R Gallagher	IN	1008	2	140.0	Conventional Steam Coal	BIT	ST
2022	12	15470	Duke Energy Indiana, LLC	Electric Utility	R Gallagher	IN	1008	4	140.0	Conventional Steam Coal	BIT	ST
2022	12	54803	Dynegy Oakland, LLC	IPP	Dynegy Oakland Power Plant	CA	6211	GEN1	55.0	Petroleum Liquids	JF	GT
2022	12	54803	Dynegy Oakland, LLC	IPP	Dynegy Oakland Power Plant	CA	6211	GEN2	55.0	Petroleum Liquids	JF	GT
2022	12	54803	Dynegy Oakland, LLC	IPP	Dynegy Oakland Power Plant	CA	6211	GEN3	55.0	Petroleum Liquids	JF	GT
2022	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	1	74.0	Natural Gas Steam Turbine	NG	ST
2022	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	2	76.0	Natural Gas Steam Turbine	NG	ST
2022	12	5701	El Paso Electric Co	Electric Utility	Rio Grande	NM	2444	6	45.0	Natural Gas Steam Turbine	NG	ST
2022	12	5701	El Paso Electric Co	Electric Utility	Rio Grande	NM	2444	7	46.0	Natural Gas Steam Turbine	NG	ST
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	15466	Public Service Co of Colorado	Electric Utility	Comanche (CO)	CO	470	1	325.0	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
2022	12	30151	Tri-State G & T Assn, Inc	Electric Utility	Nucla	CO	527	1	12.0	Conventional Steam Coal	BIT	ST
2022	12	30151	Tri-State G & T Assn, Inc	Electric Utility	Nucla	CO	527	2	12.0	Conventional Steam Coal	BIT	ST
2022	12	30151	Tri-State G & T Assn, Inc	Electric Utility	Nucla	CO	527	3	12.0	Conventional Steam Coal	BIT	ST
2022	12	30151	Tri-State G & T Assn, Inc	Electric Utility	Nucla	CO	527	ST4	64.0	Conventional Steam Coal	BIT	ST
2023	1	11135	City of Logan - (UT)	Electric Utility	Hydro III	UT	3675	HY1	0.7	Conventional Hydroelectric	WAT	HY
2023	1	11135	City of Logan - (UT)	Electric Utility	Hydro III	UT	3675	HY2	0.7	Conventional Hydroelectric	WAT	HY
2023	3	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

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2023	3	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	GTA	20.5	Natural Gas Fired Combined Cycle	NG	CT
2023	3	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	GTB	20.5	Natural Gas Fired Combined Cycle	NG	CT
2023	3	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	GTC	20.5	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
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	5860	Empire District Electric Co	Electric Utility	Empire Energy Center	MO	6223	1	82.0	Natural Gas Fired Combustion Turbine	NG	GT
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	167.0	Natural Gas Steam Turbine	NG	ST
2023	12	17633	Southern Indiana Gas & Elec Co	Electric Utility	A B Brown	IN	6137	1	245.0	Conventional Steam Coal	BIT	ST
2023	12	17633	Southern Indiana Gas & Elec Co	Electric Utility	A B Brown	IN	6137	2	245.0	Conventional Steam Coal	BIT	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	GEN3	18.0	Natural Gas Steam Turbine	NG	ST
2024	11	14328	Pacific Gas & Electric Co.	Electric Utility	Diablo Canyon	CA	6099	1	1,122.0	Nuclear	NUC	ST
2024	12	12384	Midwest Generations EME LLC	IPP	Will County	IL	884	4	510.0	Conventional Steam Coal	SUB	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	17633	Southern Indiana Gas & Elec Co	Electric Utility	F B Culley	IN	1012	2	90.0	Conventional Steam Coal	BIT	ST
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	8	14328	Pacific Gas & Electric Co.	Electric Utility	Diablo Canyon	CA	6099	2	1,118.0	Nuclear	NUC	ST
2025	9	17166	Sierra Pacific Power Co	Electric Utility	Fort Churchill	NV	2330	1	113.0	Natural Gas Steam Turbine	NG	ST
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	56155	Lansing Board of Water and Light	Electric Utility	Erickson Station	MI	1832	1	154.5	Conventional Steam Coal	SUB	ST
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	15466	Public Service Co of Colorado	Electric Utility	Comanche (CO)	CO	470	2	335.0	Conventional Steam Coal	SUB	ST
2025	12	17166	Sierra Pacific Power Co	Electric Utility	North Valmy	NV	8224	1	254.0	Conventional Steam Coal	SUB	ST
2025	12	17166	Sierra Pacific Power Co	Electric Utility	North Valmy	NV	8224	2	268.0	Conventional Steam Coal	SUB	ST
2025	12	17633	Southern Indiana Gas & Elec Co	Electric Utility	Broadway (IN)	IN	1011	2	65.0	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	RC	ST
2026	12	16604	City of San Antonio - (TX)	Electric Utility	O W Sommers	TX	3611	1	420.0	Natural Gas Steam Turbine	NG	ST
2026	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	3	102.0	Natural Gas Steam Turbine	NG	ST
2026	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	4	83.0	Natural Gas Fired Combined Cycle	NG	CA
2026	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	CT1	72.0	Natural Gas Fired Combined Cycle	NG	CT
2026	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	CT2	72.0	Natural Gas Fired Combined Cycle	NG	CT
2026	12	5860	Empire District Electric Co	Electric Utility	Empire Energy Center	MO	6223	2	82.0	Natural Gas Fired Combustion Turbine	NG	GT
2029	10	56667	Loraine Windpower Project	IPP	Loraine Windpark Project LLC	TX	57303	LWG1	75.0	Onshore Wind Turbine	WND	WT

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2047	1	60304	Innovative Solar 31, LLC	IPP	Innovative Solar 31	NC	60540	IS031	35.0	Solar Photovoltaic	SUN	PV
2047	2	56031	CPV Maryland LLC	IPP	CPV St Charles Energy Center	MD	56846	GTG1	205.0	Natural Gas Fired Combined Cycle	NG	CT
2047	7	60455	PVN Milliken, LLC	IPP	PVN Milliken, LLC	CA	60790	PV	3.0	Solar Photovoltaic	SUN	PV
2047	9	60734	Elizabeth Mines Solar 1, LLC	IPP	Elizabeth Mines Solar 1	VT	61124	EMS1	5.0	Solar Photovoltaic	SUN	PV

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this table.
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 2018

	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	59.8%	48.2%	4.9%	10.6%	6.1%	12.1%	0.8%	2.2%
2014	61.1%	48.3%	5.2%	10.4%	8.5%	12.5%	1.1%	1.4%
2015	54.7%	55.9%	6.9%	11.5%	8.9%	13.3%	1.1%	2.2%
2016	53.3%	55.5%	8.3%	12.4%	9.6%	11.5%	1.1%	2.6%
2017	53.5%	54.8%	9.4%	11.3%	NA	13.0%	2.0%	NA
Year 2016								
January	56.4%	56.4%	5.0%	7.1%	9.5%	10.1%	0.6%	3.1%
February	49.1%	53.6%	5.0%	7.4%	8.6%	10.6%	0.7%	2.8%
March	36.0%	50.2%	7.1%	10.2%	8.9%	8.9%	1.1%	2.2%
April	37.8%	47.6%	8.3%	11.7%	9.2%	9.7%	0.8%	2.1%
May	41.6%	52.5%	7.6%	12.3%	9.3%	11.4%	1.1%	2.5%
June	61.2%	63.9%	9.9%	17.5%	10.3%	13.3%	1.3%	2.1%
July	69.8%	68.2%	13.7%	23.1%	11.7%	16.9%	2.1%	2.1%
August	69.3%	70.8%	13.8%	21.1%	12.7%	15.1%	2.6%	2.3%
Sept	60.4%	60.7%	9.5%	14.6%	10.3%	12.9%	1.2%	2.3%
October	50.8%	47.8%	7.8%	11.4%	8.0%	8.8%	0.9%	2.4%
November	46.2%	46.3%	6.8%	6.5%	7.9%	9.9%	0.7%	2.8%
December	61.2%	47.5%	5.1%	5.4%	8.3%	10.1%	0.5%	4.0%
Year 2017								
January	59.5%	50.4%	6.6%	4.3%	NA	10.7%	1.6%	NA
February	49.4%	48.2%	6.9%	3.9%	NA	9.5%	2.0%	NA
March	46.1%	48.1%	9.8%	7.8%	NA	12.9%	2.1%	NA
April	43.7%	45.8%	8.3%	8.6%	NA	9.5%	1.2%	NA
May	48.3%	49.4%	9.0%	9.9%	NA	15.4%	1.9%	NA
June	58.4%	60.1%	9.9%	15.4%	NA	15.3%	1.8%	NA
July	67.1%	70.2%	12.8%	21.4%	NA	18.1%	2.1%	NA
August	62.9%	69.3%	11.0%	18.5%	NA	14.3%	2.2%	NA
Sept	53.4%	58.9%	11.7%	15.4%	NA	13.5%	3.0%	NA
October	47.5%	51.2%	10.0%	14.3%	NA	11.1%	2.6%	NA
November	49.3%	48.6%	8.2%	6.8%	NA	12.7%	1.5%	NA
December	56.1%	55.3%	8.1%	8.8%	NA	13.5%	1.5%	NA
Year 2018								
January	63.8%	54.0%	12.7%	11.8%	NA	18.2%	5.0%	NA
February	49.3%	55.1%	7.8%	5.8%	NA	11.2%	0.9%	NA

Values for 2016 and prior years are final. Values for 2017 and 2018 are preliminary. NA = Not Available

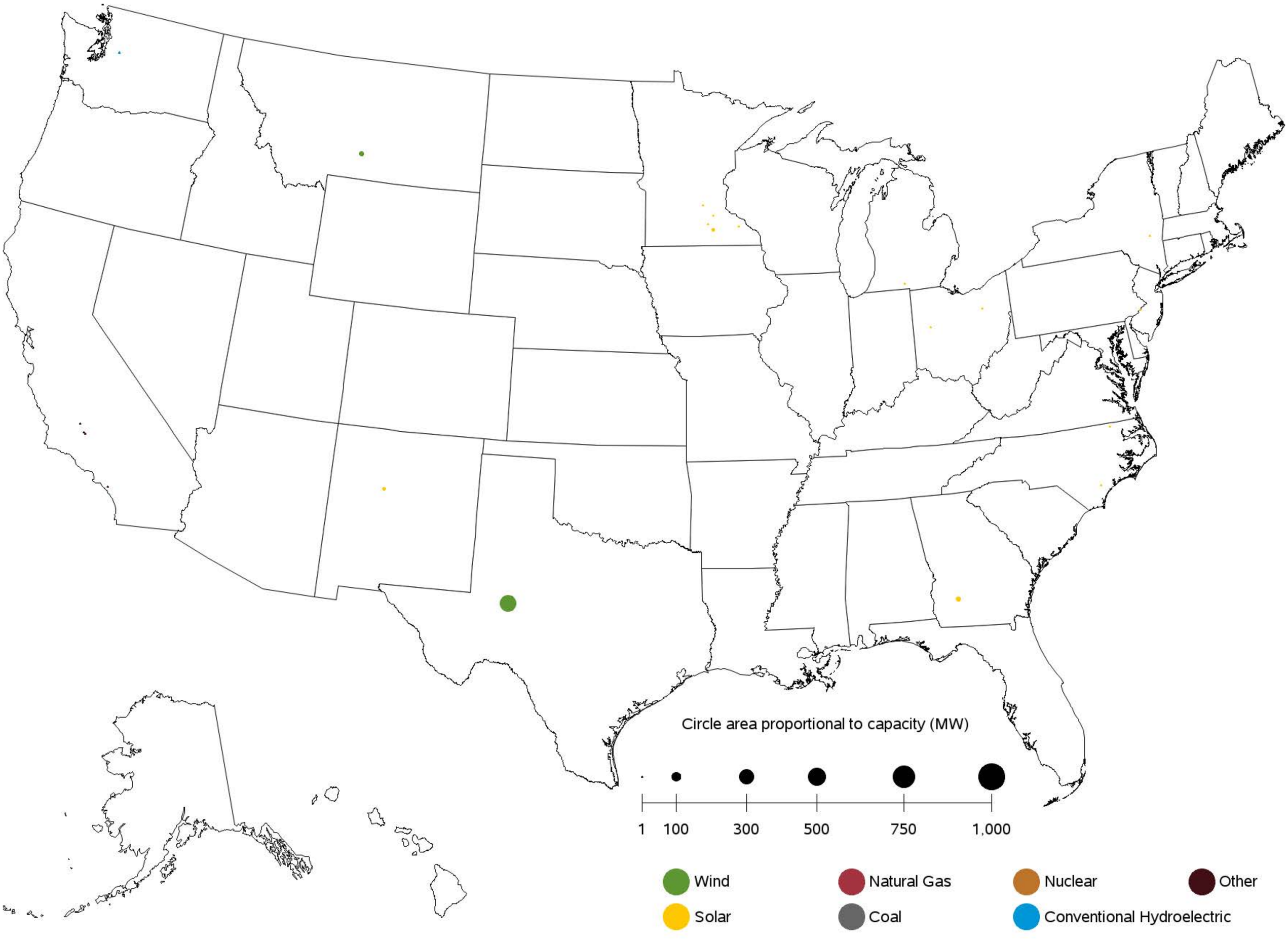
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Table 6.7.B. Capacity Factors for Utility Scale Generators Not Primarily Using Fossil Fuels, January 2013-February 2018

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	92.3%	35.8%	32.2%	25.8%	22.1%	68.7%	55.3%	74.3%
2016	92.3%	38.2%	34.5%	25.1%	22.2%	69.7%	55.6%	73.9%
2017	92.2%	45.2%	36.7%	27.0%	21.8%	70.9%	50.7%	76.4%
Year 2016								
January	98.5%	43.6%	33.9%	15.2%	6.8%	68.3%	58.5%	73.4%
February	95.3%	43.8%	39.6%	22.9%	19.5%	67.6%	61.2%	73.2%
March	89.9%	45.9%	40.2%	24.9%	19.6%	67.2%	55.8%	72.5%
April	88.1%	44.6%	39.3%	27.2%	20.9%	69.3%	45.8%	68.8%
May	90.5%	42.8%	34.2%	30.2%	28.9%	72.9%	47.0%	73.9%
June	94.2%	40.6%	30.5%	30.3%	33.5%	72.0%	54.7%	71.2%
July	94.5%	36.1%	31.9%	31.7%	36.9%	70.9%	59.3%	72.2%
August	96.1%	33.0%	24.5%	31.7%	29.2%	70.3%	63.5%	73.0%
Sept	90.9%	28.6%	30.4%	28.5%	30.2%	67.9%	58.5%	75.5%
October	81.7%	29.3%	36.4%	24.0%	19.1%	63.8%	48.9%	74.6%
November	90.9%	32.8%	35.3%	20.4%	14.4%	72.6%	54.9%	77.7%
December	96.7%	37.9%	38.8%	16.2%	7.0%	73.4%	59.6%	80.1%
Year 2017								
January	98.7%	48.4%	36.6%	16.8%	7.3%	75.4%	49.3%	79.7%
February	94.9%	47.8%	42.5%	19.8%	11.7%	71.6%	55.5%	77.9%
March	87.8%	54.1%	44.6%	27.8%	22.9%	67.7%	51.8%	74.9%
April	79.1%	53.9%	44.9%	31.0%	24.9%	67.9%	51.2%	78.6%
May	82.7%	56.8%	38.7%	34.1%	31.0%	70.6%	47.0%	74.0%
June	93.4%	57.1%	34.5%	35.7%	37.9%	72.6%	49.1%	75.2%
July	96.2%	46.2%	27.5%	33.7%	25.4%	71.3%	51.0%	78.0%
August	97.6%	37.9%	22.3%	31.2%	27.6%	72.7%	49.0%	77.4%
Sept	94.9%	34.7%	31.5%	29.6%	29.2%	69.3%	48.2%	77.8%
October	89.0%	30.2%	41.6%	26.6%	24.1%	67.0%	52.4%	69.3%
November	92.9%	35.3%	39.4%	20.1%	10.3%	71.1%	51.5%	76.6%
December	99.4%	40.0%	37.2%	17.4%	9.0%	73.3%	52.7%	77.4%
Year 2018								
January	100.7%	44.9%	42.5%	18.7%	10.0%	72.1%	54.9%	76.4%
February	96.8%	48.8%	41.9%	22.8%	16.1%	76.5%	57.2%	80.6%

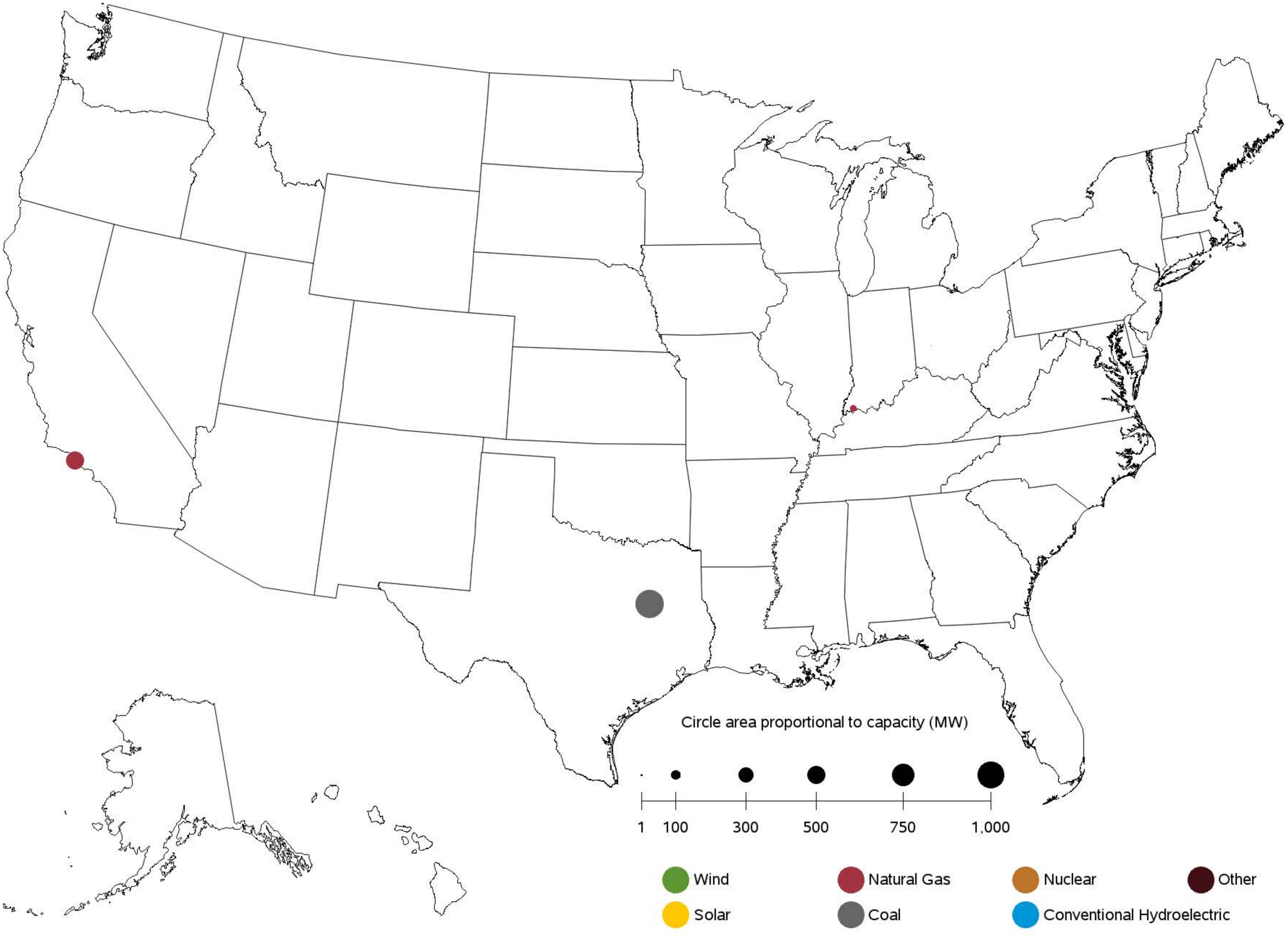
Values for 2016 and prior years are final. Values for 2017 and 2018 are preliminary. NA = Not Available
Notes: Solar Thermal Capacity Factors include generation from plants using concentrated solar power energy storage.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations 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 2018



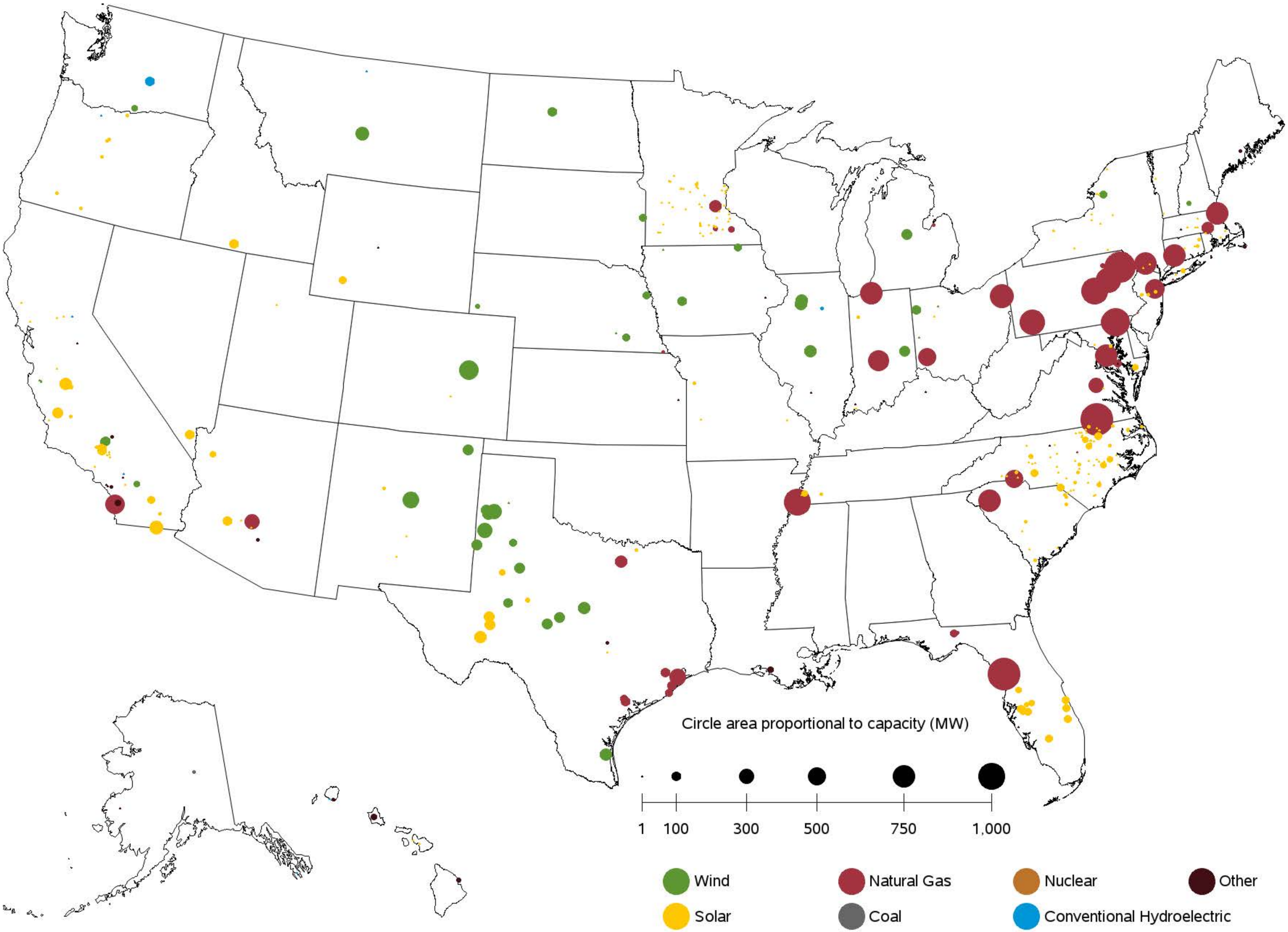
Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.B. Utility-Scale Generating Units Retired in February 2018



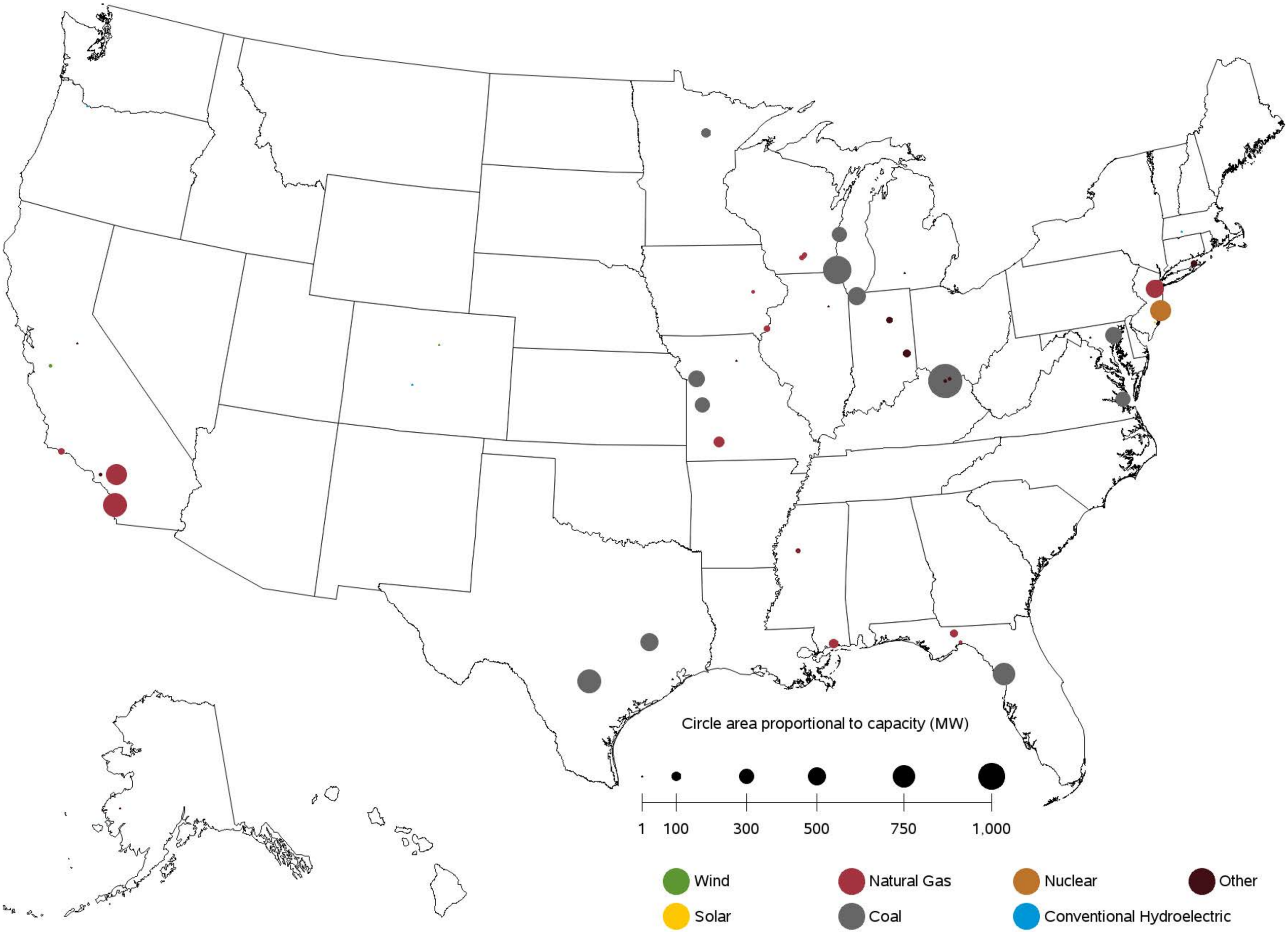
Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.C. Utility-Scale Generating Units Planned to Come Online from March 2018 to February 2019



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 2018 to February 2019



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 7.1. Electric Power Industry - U.S. Electricity Imports from and Electricity Exports to Canada and Mexico (Megawatthours)

	Canada		Mexico		U.S. Total		
Period	Imports from	Exports to	Imports from	Exports to	Imports	Exports	Net Imports
Annual Totals							
2016	65,173,818	2,682,381	4,426,999	6,647,082	69,600,817	9,329,463	60,271,354
2017	45,738,475	2,668,289	1,962,925	6,658,184	47,701,400	9,326,473	38,374,927
Year 2016							
January	5,886,417	227,589	405,984	391,636	6,292,401	619,225	5,673,176
February	4,927,541	384,301	354,896	318,144	5,282,437	702,445	4,579,992
March	5,210,412	410,645	417,364	441,056	5,627,776	851,701	4,776,075
April	4,092,342	358,746	389,947	311,760	4,482,289	670,506	3,811,783
May	4,977,621	142,398	378,826	431,533	5,356,447	573,931	4,782,516
June	6,162,812	94,538	363,393	738,211	6,526,205	832,749	5,693,456
July	6,969,110	78,459	362,863	838,475	7,331,973	916,934	6,415,039
August	6,577,610	149,565	383,363	825,076	6,960,973	974,641	5,986,332
Sept	4,631,320	161,183	286,640	805,125	4,917,960	966,308	3,951,652
October	4,989,801	320,694	436,941	436,044	5,426,742	756,738	4,670,004
November	5,809,773	109,219	359,166	559,837	6,168,939	669,056	5,499,883
December	4,939,059	245,044	287,616	550,185	5,226,675	795,229	4,431,446
Year 2017							
January	5,277,771	172,909	325,772	658,237	5,603,543	831,146	4,772,397
February	4,131,760	359,401	282,486	600,378	4,414,246	959,779	3,454,467
March	4,598,818	663,648	223,689	521,388	4,822,507	1,185,036	3,637,471
April	5,262,194	619,414	207,404	579,407	5,469,598	1,198,821	4,270,777
May	4,912,110	341,657	129,523	532,294	5,041,633	873,951	4,167,682
June	5,637,814	242,997	104,319	819,173	5,742,133	1,062,170	4,679,963
July	5,328,084	65,828	253,399	974,208	5,581,483	1,040,036	4,541,447
August	5,874,172	63,435	276,687	1,067,167	6,150,859	1,130,602	5,020,257
Sept	4,715,752	139,000	159,646	905,932	4,875,398	1,044,932	3,830,466

Source: U.S. Energy Information Administration, Form EIA-111, "Quarterly Electricity Imports and Exports Report."

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

Total (All Sectors) by Census Division and State, February 2018

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**2**	**18**	**0**	**2**	**0**	**0**	**11**
Connecticut	0	59	0	1	0	0	39
Maine	25	33	0	23	0	0	12
Massachusetts	0	41	0	3	0	0	25
New Hampshire	0	12	0	0	0	0	23
Rhode Island	0	72	0	10	0	0	0
Vermont	0	52	0	0	0	0	20
Middle Atlantic	**3**	**8**	**74**	**1**	**13**	**0**	**3**
New Jersey	0	19	0	2	0	0	80
New York	0	8	0	2	0	0	2
Pennsylvania	3	20	134	1	18	0	15
East North Central	**0**	**14**	**11**	**1**	**5**	**0**	**11**
Illinois	0	9	0	7	0	0	44
Indiana	1	4	0	2	9	0	31
Michigan	2	36	0	1	0	0	21
Ohio	1	3	34	0	15	0	29
Wisconsin	0	128	0	2	0	0	16
West North Central	**1**	**28**	**0**	**4**	**0**	**0**	**8**
Iowa	1	47	0	4	0	0	27
Kansas	2	5	0	12	0	0	0
Minnesota	4	45	0	7	0	0	23
Missouri	0	3	0	6	0	0	19
Nebraska	4	336	0	43	0	0	21
North Dakota	0	39	0	37	0	0	19
South Dakota	0	649	0	52	0	0	13
South Atlantic	**1**	**5**	**11**	**1**	**0**	**0**	**8**
Delaware	0	80	0	6	0	0	0
District of Columbia	0	0	0	0	0	0	0
Florida	2	15	0	1	0	0	49
Georgia	1	20	142	1	0	0	14
Maryland	0	17	0	1	0	0	2
North Carolina	0	6	0	1	0	0	12
South Carolina	3	15	0	1	0	0	17
Virginia	7	16	0	2	0	0	18
West Virginia	2	0	0	23	0	0	18
East South Central	**0**	**6**	**0**	**1**	**53**	**0**	**6**
Alabama	0	51	0	2	73	0	7
Kentucky	0	0	0	2	0	0	12
Mississippi	0	32	0	1	0	0	0
Tennessee	0	0	0	1	0	0	9
West South Central	**0**	**5**	**1**	**1**	**6**	**0**	**8**
Arkansas	0	4	0	3	0	0	12
Louisiana	0	28	0	1	12	0	19
Oklahoma	0	2	0	2	0	0	13
Texas	0	12	203	1	5	0	19
Mountain	**1**	**23**	**0**	**1**	**0**	**0**	**5**
Arizona	0	10	0	5	0	0	5
Colorado	0	97	0	1	0	0	18
Idaho	123	0	0	19	0	0	9
Montana	5	367	0	20	0	0	8
Nevada	0	0	0	0	0	0	3
New Mexico	0	168	0	3	0	0	71
Utah	0	1	0	4	0	0	29
Wyoming	3	1	0	6	0	0	26
Pacific Contiguous	**0**	**22**	**0**	**1**	**3**	**0**	**1**
California	0	23	0	1	3	0	8
Oregon	0	0	0	1	0	0	3
Washington	0	79	0	7	0	0	1
Pacific Noncontiguous	**15**	**2**	**0**	**21**	**0**	**0**	**20**
Alaska	49	12	0	21	0	0	20
Hawaii	0	1	0	0	0	0	46
U.S. Total	**0**	**2**	**5**	**0**	**3**	**0**	**2**

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

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

Total (All Sectors) by Census Division and State, February 2018 (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**	**9**	**5**	**0**	**0**	**1**
Connecticut	0	0	0	41	12	0	0	1
Maine	0	0	0	104	6	0	0	6
Massachusetts	0	0	0	10	6	0	1	2
New Hampshire	0	0	0	0	14	0	0	3
Rhode Island	0	0	0	56	8	0	0	9
Vermont	0	0	0	29	12	0	0	12
Middle Atlantic	**0**	**0**	**0**	**9**	**3**	**0**	**1**	**1**
New Jersey	0	0	0	10	5	0	0	1
New York	0	0	0	20	5	0	2	1
Pennsylvania	0	0	0	34	5	0	0	1
East North Central	**0**	**0**	**0**	**12**	**3**	**0**	**2**	**0**
Illinois	0	0	0	36	3	0	0	0
Indiana	0	0	0	17	5	0	0	1
Michigan	0	0	0	31	5	0	5	1
Ohio	0	0	0	29	4	0	0	1
Wisconsin	0	0	0	54	7	0	38	1
West North Central	**0**	**0**	**0**	**9**	**3**	**0**	**4**	**1**
Iowa	0	0	0	89	4	0	0	2
Kansas	0	0	0	123	2	0	0	1
Minnesota	0	0	0	9	5	0	4	2
Missouri	0	0	0	35	6	0	0	1
Nebraska	0	0	0	71	6	0	0	3
North Dakota	0	0	0	0	5	0	21	2
South Dakota	0	0	0	247	11	0	0	7
South Atlantic	**0**	**0**	**0**	**3**	**2**	**0**	**1**	**0**
Delaware	0	0	0	41	22	0	0	5
District of Columbia	0	0	0	0	0	0	0	0
Florida	0	0	0	2	2	0	0	1
Georgia	0	0	0	7	3	0	18	1
Maryland	0	0	0	18	9	0	0	0
North Carolina	0	0	0	4	3	0	0	1
South Carolina	0	0	0	14	6	0	0	1
Virginia	0	0	0	12	6	0	0	1
West Virginia	0	0	0	0	9	0	0	2
East South Central	**0**	**0**	**0**	**9**	**3**	**0**	**20**	**1**
Alabama	0	0	0	16	3	0	0	1
Kentucky	0	0	0	46	12	0	0	1
Mississippi	0	0	0	6	4	0	0	1
Tennessee	0	0	0	25	6	0	75	1
West South Central	**0**	**0**	**0**	**4**	**1**	**0**	**3**	**0**
Arkansas	0	0	0	4	4	0	72	1
Louisiana	0	0	0	235	4	0	2	1
Oklahoma	0	0	0	53	2	0	0	1
Texas	0	0	0	4	1	0	6	1
Mountain	**0**	**5**	**0**	**2**	**2**	**0**	**0**	**1**
Arizona	0	0	0	3	4	0	0	1
Colorado	0	0	0	10	3	0	0	1
Idaho	0	20	0	14	7	0	0	7
Montana	0	0	0	60	11	0	0	4
Nevada	0	5	0	3	3	0	0	1
New Mexico	0	0	0	9	3	0	0	2
Utah	0	9	0	8	6	0	0	1
Wyoming	0	0	0	0	8	0	0	3
Pacific Contiguous	**0**	**2**	**0**	**2**	**2**	**0**	**2**	**1**
California	0	2	0	2	2	0	3	1
Oregon	0	12	0	15	4	0	0	2
Washington	0	0	0	0	4	0	0	1
Pacific Noncontiguous	**0**	**11**	**0**	**17**	**8**	**0**	**0**	**5**
Alaska	0	0	0	0	28	0	0	12
Hawaii	0	11	0	17	8	0	0	1
U.S. Total	**0**	**2**	**0**	**2**	**1**	**0**	**0**	**0**

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

Table A.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 2018

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**2**	**18**	**0**	**2**	**0**	**0**	**11**
Connecticut	0	59	0	1	0	0	39
Maine	25	33	0	23	0	0	12
Massachusetts	0	41	0	3	0	0	25
New Hampshire	0	12	0	0	0	0	23
Rhode Island	0	72	0	10	0	0	0
Vermont	0	52	0	0	0	0	20
Middle Atlantic	**3**	**8**	**74**	**1**	**13**	**0**	**3**
New Jersey	0	19	0	2	0	0	80
New York	0	8	0	2	0	0	2
Pennsylvania	3	20	134	1	18	0	15
East North Central	**0**	**14**	**11**	**1**	**5**	**0**	**11**
Illinois	0	9	0	7	0	0	44
Indiana	1	4	0	2	9	0	31
Michigan	2	36	0	1	0	0	21
Ohio	1	3	34	0	15	0	29
Wisconsin	0	128	0	2	0	0	16
West North Central	**1**	**28**	**0**	**4**	**0**	**0**	**8**
Iowa	1	47	0	4	0	0	27
Kansas	2	5	0	12	0	0	0
Minnesota	4	45	0	7	0	0	23
Missouri	0	3	0	6	0	0	19
Nebraska	4	336	0	43	0	0	21
North Dakota	0	39	0	37	0	0	19
South Dakota	0	649	0	52	0	0	13
South Atlantic	**1**	**5**	**11**	**1**	**0**	**0**	**8**
Delaware	0	80	0	6	0	0	0
District of Columbia	0	0	0	0	0	0	0
Florida	2	15	0	1	0	0	49
Georgia	1	20	142	1	0	0	14
Maryland	0	17	0	1	0	0	2
North Carolina	0	6	0	1	0	0	12
South Carolina	3	15	0	1	0	0	17
Virginia	7	16	0	2	0	0	18
West Virginia	2	0	0	23	0	0	18
East South Central	**0**	**6**	**0**	**1**	**53**	**0**	**6**
Alabama	0	51	0	2	73	0	7
Kentucky	0	0	0	2	0	0	12
Mississippi	0	32	0	1	0	0	0
Tennessee	0	0	0	1	0	0	9
West South Central	**0**	**5**	**1**	**1**	**6**	**0**	**8**
Arkansas	0	4	0	3	0	0	12
Louisiana	0	28	0	1	12	0	19
Oklahoma	0	2	0	2	0	0	13
Texas	0	12	203	1	5	0	19
Mountain	**1**	**23**	**0**	**1**	**0**	**0**	**5**
Arizona	0	10	0	5	0	0	5
Colorado	0	97	0	1	0	0	18
Idaho	123	0	0	19	0	0	9
Montana	5	367	0	20	0	0	8
Nevada	0	0	0	0	0	0	3
New Mexico	0	168	0	3	0	0	71
Utah	0	1	0	4	0	0	29
Wyoming	3	1	0	6	0	0	26
Pacific Contiguous	**0**	**22**	**0**	**1**	**3**	**0**	**1**
California	0	23	0	1	3	0	8
Oregon	0	0	0	1	0	0	3
Washington	0	79	0	7	0	0	1
Pacific Noncontiguous	**15**	**2**	**0**	**21**	**0**	**0**	**20**
Alaska	49	12	0	21	0	0	20
Hawaii	0	1	0	0	0	0	46
U.S. Total	**0**	**2**	**5**	**0**	**3**	**0**	**2**

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

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

Total (All Sectors) by Census Division and State, Year-to-Date through February 2018 (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**	**9**	**5**	**0**	**0**	**1**
Connecticut	0	0	0	41	12	0	0	1
Maine	0	0	0	104	6	0	0	6
Massachusetts	0	0	0	10	6	0	1	2
New Hampshire	0	0	0	0	14	0	0	3
Rhode Island	0	0	0	56	8	0	0	9
Vermont	0	0	0	29	12	0	0	12
Middle Atlantic	**0**	**0**	**0**	**9**	**3**	**0**	**1**	**1**
New Jersey	0	0	0	10	5	0	0	1
New York	0	0	0	20	5	0	2	1
Pennsylvania	0	0	0	34	5	0	0	1
East North Central	**0**	**0**	**0**	**12**	**3**	**0**	**2**	**0**
Illinois	0	0	0	36	3	0	0	0
Indiana	0	0	0	17	5	0	0	1
Michigan	0	0	0	31	5	0	5	1
Ohio	0	0	0	29	4	0	0	1
Wisconsin	0	0	0	54	7	0	38	1
West North Central	**0**	**0**	**0**	**9**	**3**	**0**	**4**	**1**
Iowa	0	0	0	89	4	0	0	2
Kansas	0	0	0	123	2	0	0	1
Minnesota	0	0	0	9	5	0	4	2
Missouri	0	0	0	35	6	0	0	1
Nebraska	0	0	0	71	6	0	0	3
North Dakota	0	0	0	0	5	0	21	2
South Dakota	0	0	0	247	11	0	0	7
South Atlantic	**0**	**0**	**0**	**3**	**2**	**0**	**1**	**0**
Delaware	0	0	0	41	22	0	0	5
District of Columbia	0	0	0	0	0	0	0	0
Florida	0	0	0	2	2	0	0	1
Georgia	0	0	0	7	3	0	18	1
Maryland	0	0	0	18	9	0	0	0
North Carolina	0	0	0	4	3	0	0	1
South Carolina	0	0	0	14	6	0	0	1
Virginia	0	0	0	12	6	0	0	1
West Virginia	0	0	0	0	9	0	0	2
East South Central	**0**	**0**	**0**	**9**	**3**	**0**	**20**	**1**
Alabama	0	0	0	16	3	0	0	1
Kentucky	0	0	0	46	12	0	0	1
Mississippi	0	0	0	6	4	0	0	1
Tennessee	0	0	0	25	6	0	75	1
West South Central	**0**	**0**	**0**	**4**	**1**	**0**	**3**	**0**
Arkansas	0	0	0	4	4	0	72	1
Louisiana	0	0	0	235	4	0	2	1
Oklahoma	0	0	0	53	2	0	0	1
Texas	0	0	0	4	1	0	6	1
Mountain	**0**	**5**	**0**	**2**	**2**	**0**	**0**	**1**
Arizona	0	0	0	3	4	0	0	1
Colorado	0	0	0	10	3	0	0	1
Idaho	0	20	0	14	7	0	0	7
Montana	0	0	0	60	11	0	0	4
Nevada	0	5	0	3	3	0	0	1
New Mexico	0	0	0	9	3	0	0	2
Utah	0	9	0	8	6	0	0	1
Wyoming	0	0	0	0	8	0	0	3
Pacific Contiguous	**0**	**2**	**0**	**2**	**2**	**0**	**2**	**1**
California	0	2	0	2	2	0	3	1
Oregon	0	12	0	15	4	0	0	2
Washington	0	0	0	0	4	0	0	1
Pacific Noncontiguous	**0**	**11**	**0**	**17**	**8**	**0**	**0**	**5**
Alaska	0	0	0	0	28	0	0	12
Hawaii	0	11	0	17	8	0	0	1
U.S. Total	**0**	**2**	**0**	**2**	**1**	**0**	**0**	**0**

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

Table A.1.C. Relative Standard Error (Percent) for Small Scale Solar Generation and Capacity by Sector, Census Division and State, February 2018

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**1**	**1**	**.**	**0**
Connecticut	0	1	0	.	0
Maine	1	6	0	.	2
Massachusetts	0	1	2	.	1
New Hampshire	1	0	0	.	0
Rhode Island	1	0	0	.	0
Vermont	2	9	69	.	4
Middle Atlantic	**0**	**0**	**2**	**.**	**0**
New Jersey	0	1	4	.	0
New York	0	0	1	.	0
Pennsylvania	2	3	0	.	1
East North Central	**3**	**4**	**28**	**.**	**3**
Illinois	6	19	0	.	10
Indiana	6	5	0	.	4
Michigan	4	29	386	.	15
Ohio	5	5	63	.	5
Wisconsin	8	18	10	.	7
West North Central	**2**	**1**	**7**	**.**	**1**
Iowa	7	3	29	.	3
Kansas	11	11	0	.	8
Minnesota	7	6	6	.	4
Missouri	2	1	0	.	1
Nebraska	17	36	47	.	15
North Dakota	0	0	0	.	0
South Dakota	0	0	0	.	0
South Atlantic	**1**	**2**	**3**	**.**	**1**
Delaware	4	4	23	.	3
District of Columbia	0	0	0	.	0
Florida	5	7	5	.	4
Georgia	89	149	0	.	78
Maryland	1	2	4	.	1
North Carolina	9	1	0	.	5
South Carolina	3	6	0	.	2
Virginia	10	9	16	.	7
West Virginia	0	0	0	.	0
East South Central	**6**	**28**	**0**	**.**	**9**
Alabama	0	0	0	.	0
Kentucky	8	31	0	.	12
Mississippi	10	69	0	.	36
Tennessee	0	0	0	.	0
West South Central	**4**	**6**	**0**	**.**	**3**
Arkansas	21	7	0	.	11
Louisiana	3	5	0	.	3
Oklahoma	19	4	0	.	14
Texas	7	8	0	.	6
Mountain	**1**	**0**	**0**	**.**	**0**
Arizona	1	0	0	.	0
Colorado	2	1	13	.	2
Idaho	3	2	0	.	2
Montana	12	5	0	.	9
Nevada	0	0	0	.	0
New Mexico	4	2	0	.	2
Utah	2	1	0	.	1
Wyoming	34	14	0	.	23
Pacific Contiguous	**0**	**1**	**0**	**.**	**0**
California	0	1	0	.	0
Oregon	1	5	9	.	2
Washington	2	18	70	.	3
Pacific Noncontiguous	**0**	**0**	**0**	**.**	**0**
Alaska	3	4	0	.	2
Hawaii	0	0	0	.	0
U.S. Total	**0**	**0**	**0**	**.**	**0**

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

Table A.2.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Electric Utilities by Census Division and State, February 2018

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**18**	**0**	**0**	**0**	**0**	**23**
Connecticut	0	29	0	0	0	0	27
Maine	0	0	0	0	0	0	0
Massachusetts	0	268	0	0	0	0	56
New Hampshire	0	5	0	0	0	0	39
Rhode Island	0	0	0	0	0	0	0
Vermont	0	52	0	0	0	0	33
Middle Atlantic	**0**	**16**	**0**	**5**	**0**	**0**	**1**
New Jersey	0	130	0	162	0	0	0
New York	0	16	0	5	0	0	1
Pennsylvania	0	0	0	0	0	0	0
East North Central	**1**	**23**	**0**	**2**	**5**	**0**	**12**
Illinois	0	26	0	0	0	0	72
Indiana	1	5	0	5	147	0	31
Michigan	2	37	0	4	0	0	22
Ohio	4	4	0	1	0	0	36
Wisconsin	0	139	0	2	0	0	17
West North Central	**1**	**35**	**0**	**4**	**0**	**0**	**8**
Iowa	1	48	0	4	0	0	27
Kansas	2	5	0	12	0	0	0
Minnesota	4	225	0	7	0	0	28
Missouri	0	3	0	9	0	0	19
Nebraska	4	336	0	44	0	0	21
North Dakota	0	39	0	37	0	0	19
South Dakota	0	651	0	52	0	0	13
South Atlantic	**1**	**4**	**0**	**1**	**0**	**0**	**9**
Delaware	0	0	0	0	0	0	0
Florida	2	8	0	1	0	0	49
Georgia	0	7	0	2	0	0	14
Maryland	0	19	0	0	0	0	0
North Carolina	0	3	0	0	0	0	12
South Carolina	3	23	0	0	0	0	17
Virginia	7	33	0	3	0	0	19
West Virginia	0	0	0	0	0	0	29
East South Central	**0**	**1**	**0**	**2**	**0**	**0**	**6**
Alabama	0	8	0	7	0	0	7
Kentucky	0	0	0	2	0	0	12
Mississippi	0	46	0	1	0	0	0
Tennessee	0	0	0	0	0	0	9
West South Central	**0**	**5**	**0**	**2**	**0**	**0**	**9**
Arkansas	0	4	0	12	0	0	12
Louisiana	0	28	0	2	0	0	0
Oklahoma	0	2	0	4	0	0	13
Texas	0	14	0	3	0	0	19
Mountain	**1**	**24**	**0**	**2**	**0**	**0**	**5**
Arizona	0	10	0	6	0	0	5
Colorado	0	97	0	1	0	0	18
Idaho	0	0	0	8	0	0	9
Montana	0	2,148	0	27	0	0	8
Nevada	0	0	0	0	0	0	0
New Mexico	0	168	0	6	0	0	71
Utah	0	1	0	4	0	0	30
Wyoming	3	1	0	10	0	0	26
Pacific Contiguous	**0**	**83**	**0**	**2**	**0**	**0**	**1**
California	0	81	0	1	0	0	7
Oregon	0	0	0	2	0	0	3
Washington	0	3,846	0	12	0	0	1
Pacific Noncontiguous	**92**	**2**	**0**	**22**	**0**	**0**	**21**
Alaska	92	12	0	22	0	0	21
Hawaii	0	1	0	0	0	0	0
U.S. Total	**0**	**3**	**0**	**1**	**5**	**0**	**2**

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

Electric Utilities by Census Division and State, February 2018 (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**	**40**	**8**	**0**	**0**	**7**
Connecticut	0	0	0	0	0	0	0	14
Maine	0	0	0	0	0	0	0	0
Massachusetts	0	0	0	70	49	0	0	42
New Hampshire	0	0	0	0	0	0	0	7
Rhode Island	0	0	0	0	0	0	0	0
Vermont	0	0	0	50	12	0	0	15
Middle Atlantic	**0**	**0**	**0**	**33**	**33**	**0**	**0**	**1**
New Jersey	0	0	0	33	33	0	0	30
New York	0	0	0	0	0	0	0	1
Pennsylvania	0	0	0	0	0	0	0	0
East North Central	**0**	**0**	**0**	**22**	**8**	**0**	**2**	**1**
Illinois	0	0	0	0	39	0	0	1
Indiana	0	0	0	29	13	0	0	1
Michigan	0	0	0	34	10	0	0	1
Ohio	0	0	0	100	74	0	0	2
Wisconsin	0	0	0	0	13	0	20	1
West North Central	**0**	**0**	**0**	**70**	**4**	**0**	**4**	**1**
Iowa	0	0	0	98	4	0	0	2
Kansas	0	0	0	0	6	0	0	1
Minnesota	0	0	0	163	9	0	0	2
Missouri	0	0	0	0	35	0	0	1
Nebraska	0	0	0	0	26	0	0	3
North Dakota	0	0	0	0	8	0	21	2
South Dakota	0	0	0	0	17	0	0	8
South Atlantic	**0**	**0**	**0**	**3**	**7**	**0**	**0**	**0**
Delaware	0	0	0	112	112	0	0	80
Florida	0	0	0	2	2	0	0	1
Georgia	0	0	0	15	15	0	0	1
Maryland	0	0	0	100	100	0	0	0
North Carolina	0	0	0	16	16	0	0	1
South Carolina	0	0	0	0	28	0	0	1
Virginia	0	0	0	22	16	0	0	2
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**37**	**21**	**0**	**0**	**1**
Alabama	0	0	0	58	58	0	0	1
Kentucky	0	0	0	46	21	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**	**48**	**7**	**0**	**0**	**1**
Arkansas	0	0	0	247	247	0	0	2
Louisiana	0	0	0	235	235	0	0	1
Oklahoma	0	0	0	53	7	0	0	2
Texas	0	0	0	143	23	0	0	1
Mountain	**0**	**12**	**0**	**9**	**7**	**0**	**0**	**1**
Arizona	0	0	0	11	11	0	0	1
Colorado	0	0	0	148	32	0	0	1
Idaho	0	0	0	0	33	0	0	9
Montana	0	0	0	0	31	0	0	8
Nevada	0	0	0	0	0	0	0	0
New Mexico	0	0	0	18	18	0	0	3
Utah	0	12	0	0	12	0	0	1
Wyoming	0	0	0	0	11	0	0	3
Pacific Contiguous	**0**	**0**	**0**	**13**	**3**	**0**	**0**	**1**
California	0	0	0	13	4	0	0	2
Oregon	0	0	0	122	6	0	0	3
Washington	0	0	0	0	5	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**26**	**0**	**0**	**7**
Alaska	0	0	0	0	43	0	0	13
Hawaii	0	0	0	0	0	0	0	1
U.S. Total	**0**	**3**	**0**	**3**	**3**	**0**	**1**	**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 2018

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**18**	**0**	**0**	**0**	**0**	**23**
Connecticut	0	29	0	0	0	0	27
Maine	0	0	0	0	0	0	0
Massachusetts	0	268	0	0	0	0	56
New Hampshire	0	5	0	0	0	0	39
Rhode Island	0	0	0	0	0	0	0
Vermont	0	52	0	0	0	0	33
Middle Atlantic	**0**	**16**	**0**	**5**	**0**	**0**	**1**
New Jersey	0	130	0	162	0	0	0
New York	0	16	0	5	0	0	1
Pennsylvania	0	0	0	0	0	0	0
East North Central	**1**	**23**	**0**	**2**	**5**	**0**	**12**
Illinois	0	26	0	0	0	0	72
Indiana	1	5	0	5	147	0	31
Michigan	2	37	0	4	0	0	22
Ohio	4	4	0	1	0	0	36
Wisconsin	0	139	0	2	0	0	17
West North Central	**1**	**35**	**0**	**4**	**0**	**0**	**8**
Iowa	1	48	0	4	0	0	27
Kansas	2	5	0	12	0	0	0
Minnesota	4	225	0	7	0	0	28
Missouri	0	3	0	9	0	0	19
Nebraska	4	336	0	44	0	0	21
North Dakota	0	39	0	37	0	0	19
South Dakota	0	651	0	52	0	0	13
South Atlantic	**1**	**4**	**0**	**1**	**0**	**0**	**9**
Delaware	0	0	0	0	0	0	0
Florida	2	8	0	1	0	0	49
Georgia	0	7	0	2	0	0	14
Maryland	0	19	0	0	0	0	0
North Carolina	0	3	0	0	0	0	12
South Carolina	3	23	0	0	0	0	17
Virginia	7	33	0	3	0	0	19
West Virginia	0	0	0	0	0	0	29
East South Central	**0**	**1**	**0**	**2**	**0**	**0**	**6**
Alabama	0	8	0	7	0	0	7
Kentucky	0	0	0	2	0	0	12
Mississippi	0	46	0	1	0	0	0
Tennessee	0	0	0	0	0	0	9
West South Central	**0**	**5**	**0**	**2**	**0**	**0**	**9**
Arkansas	0	4	0	12	0	0	12
Louisiana	0	28	0	2	0	0	0
Oklahoma	0	2	0	4	0	0	13
Texas	0	14	0	3	0	0	19
Mountain	**1**	**24**	**0**	**2**	**0**	**0**	**5**
Arizona	0	10	0	6	0	0	5
Colorado	0	97	0	1	0	0	18
Idaho	0	0	0	8	0	0	9
Montana	0	2,148	0	27	0	0	8
Nevada	0	0	0	0	0	0	0
New Mexico	0	168	0	6	0	0	71
Utah	0	1	0	4	0	0	30
Wyoming	3	1	0	10	0	0	26
Pacific Contiguous	**0**	**83**	**0**	**2**	**0**	**0**	**1**
California	0	81	0	1	0	0	7
Oregon	0	0	0	2	0	0	3
Washington	0	3,846	0	12	0	0	1
Pacific Noncontiguous	**92**	**2**	**0**	**22**	**0**	**0**	**21**
Alaska	92	12	0	22	0	0	21
Hawaii	0	1	0	0	0	0	0
U.S. Total	**0**	**3**	**0**	**1**	**5**	**0**	**2**

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

Electric Utilities by Census Division and State, Year-to-Date through February 2018 (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**	**40**	**8**	**0**	**0**	**7**
Connecticut	0	0	0	0	0	0	0	14
Maine	0	0	0	0	0	0	0	0
Massachusetts	0	0	0	70	49	0	0	42
New Hampshire	0	0	0	0	0	0	0	7
Rhode Island	0	0	0	0	0	0	0	0
Vermont	0	0	0	50	12	0	0	15
Middle Atlantic	**0**	**0**	**0**	**33**	**33**	**0**	**0**	**1**
New Jersey	0	0	0	33	33	0	0	30
New York	0	0	0	0	0	0	0	1
Pennsylvania	0	0	0	0	0	0	0	0
East North Central	**0**	**0**	**0**	**22**	**8**	**0**	**2**	**1**
Illinois	0	0	0	0	39	0	0	1
Indiana	0	0	0	29	13	0	0	1
Michigan	0	0	0	34	10	0	0	1
Ohio	0	0	0	100	74	0	0	2
Wisconsin	0	0	0	0	13	0	20	1
West North Central	**0**	**0**	**0**	**70**	**4**	**0**	**4**	**1**
Iowa	0	0	0	98	4	0	0	2
Kansas	0	0	0	0	6	0	0	1
Minnesota	0	0	0	163	9	0	0	2
Missouri	0	0	0	0	35	0	0	1
Nebraska	0	0	0	0	26	0	0	3
North Dakota	0	0	0	0	8	0	21	2
South Dakota	0	0	0	0	17	0	0	8
South Atlantic	**0**	**0**	**0**	**3**	**7**	**0**	**0**	**0**
Delaware	0	0	0	112	112	0	0	80
Florida	0	0	0	2	2	0	0	1
Georgia	0	0	0	15	15	0	0	1
Maryland	0	0	0	100	100	0	0	0
North Carolina	0	0	0	16	16	0	0	1
South Carolina	0	0	0	0	28	0	0	1
Virginia	0	0	0	22	16	0	0	2
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**37**	**21**	**0**	**0**	**1**
Alabama	0	0	0	58	58	0	0	1
Kentucky	0	0	0	46	21	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**	**48**	**7**	**0**	**0**	**1**
Arkansas	0	0	0	247	247	0	0	2
Louisiana	0	0	0	235	235	0	0	1
Oklahoma	0	0	0	53	7	0	0	2
Texas	0	0	0	143	23	0	0	1
Mountain	**0**	**12**	**0**	**9**	**7**	**0**	**0**	**1**
Arizona	0	0	0	11	11	0	0	1
Colorado	0	0	0	148	32	0	0	1
Idaho	0	0	0	0	33	0	0	9
Montana	0	0	0	0	31	0	0	8
Nevada	0	0	0	0	0	0	0	0
New Mexico	0	0	0	18	18	0	0	3
Utah	0	12	0	0	12	0	0	1
Wyoming	0	0	0	0	11	0	0	3
Pacific Contiguous	**0**	**0**	**0**	**13**	**3**	**0**	**0**	**1**
California	0	0	0	13	4	0	0	2
Oregon	0	0	0	122	6	0	0	3
Washington	0	0	0	0	5	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**26**	**0**	**0**	**7**
Alaska	0	0	0	0	43	0	0	13
Hawaii	0	0	0	0	0	0	0	1
U.S. Total	**0**	**3**	**0**	**3**	**3**	**0**	**1**	**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 2018

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**41**	**0**	**2**	**0**	**0**	**12**
Connecticut	0	69	0	0	0	0	46
Maine	0	11	0	24	0	0	13
Massachusetts	0	40	0	3	0	0	28
New Hampshire	0	1,193	0	0	0	0	26
Rhode Island	0	131	0	10	0	0	0
Vermont	0	0	0	0	0	0	25
Middle Atlantic	**3**	**10**	**0**	**1**	**0**	**0**	**13**
New Jersey	0	22	0	2	0	0	80
New York	0	10	0	3	0	0	11
Pennsylvania	3	22	0	1	0	0	16
East North Central	**0**	**3**	**34**	**1**	**5**	**0**	**33**
Illinois	0	3	0	7	0	0	56
Indiana	0	0	0	1	0	0	0
Michigan	0	0	0	1	0	0	79
Ohio	1	5	34	0	17	0	49
Wisconsin	0	0	0	1	0	0	74
West North Central	**0**	**3**	**0**	**11**	**0**	**0**	**50**
Iowa	0	51	0	0	0	0	0
Kansas	0	0	0	0	0	0	0
Minnesota	0	3	0	31	0	0	55
Missouri	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0
South Atlantic	**5**	**16**	**0**	**2**	**0**	**0**	**5**
Delaware	0	93	0	6	0	0	0
District of Columbia	0	0	0	0	0	0	0
Florida	0	28	0	6	0	0	0
Georgia	0	284	0	2	0	0	81
Maryland	0	19	0	1	0	0	2
North Carolina	0	83	0	8	0	0	64
South Carolina	0	0	0	26	0	0	57
Virginia	0	11	0	2	0	0	51
West Virginia	8	0	0	72	0	0	35
East South Central	**0**	**55**	**0**	**0**	**0**	**0**	**208**
Alabama	0	84	0	0	0	0	0
Kentucky	0	0	0	0	0	0	208
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0
West South Central	**0**	**42**	**0**	**1**	**0**	**0**	**18**
Arkansas	0	0	0	0	0	0	94
Louisiana	0	0	0	0	0	0	19
Oklahoma	0	0	0	0	0	0	0
Texas	0	42	0	1	0	0	0
Mountain	**4**	**21**	**0**	**3**	**0**	**0**	**24**
Arizona	0	0	0	2	0	0	0
Colorado	0	0	0	4	0	0	63
Idaho	0	0	0	37	0	0	29
Montana	5	49	0	13	0	0	69
Nevada	0	0	0	0	0	0	80
New Mexico	0	0	0	3	0	0	0
Utah	0	0	0	0	0	0	0
Wyoming	0	0	0	0	0	0	0
Pacific Contiguous	**0**	**16**	**0**	**1**	**0**	**0**	**26**
California	0	0	0	1	0	0	43
Oregon	0	0	0	0	0	0	49
Washington	0	22	0	8	0	0	38
Pacific Noncontiguous	**5**	**0**	**0**	**0**	**0**	**0**	**0**
Alaska	48	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**1**	**3**	**20**	**0**	**3**	**0**	**7**

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

Independent Power Producers by Census Division and State, February 2018 (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**	**9**	**6**	**0**	**0**	**1**
Connecticut	0	0	0	43	12	0	0	1
Maine	0	0	0	104	8	0	0	7
Massachusetts	0	0	0	10	6	0	1	2
New Hampshire	0	0	0	0	17	0	0	3
Rhode Island	0	0	0	56	8	0	0	9
Vermont	0	0	0	35	22	0	0	18
Middle Atlantic	**0**	**0**	**0**	**9**	**4**	**0**	**0**	**1**
New Jersey	0	0	0	11	6	0	0	1
New York	0	0	0	20	5	0	0	1
Pennsylvania	0	0	0	38	6	0	0	1
East North Central	**0**	**0**	**0**	**15**	**3**	**0**	**7**	**0**
Illinois	0	0	0	37	3	0	0	0
Indiana	0	0	0	21	5	0	0	2
Michigan	0	0	0	72	7	0	10	1
Ohio	0	0	0	31	4	0	0	0
Wisconsin	0	0	0	54	8	0	0	1
West North Central	**0**	**0**	**0**	**9**	**3**	**0**	**0**	**3**
Iowa	0	0	0	217	6	0	0	4
Kansas	0	0	0	123	2	0	0	2
Minnesota	0	0	0	9	5	0	0	5
Missouri	0	0	0	37	6	0	0	4
Nebraska	0	0	0	71	6	0	0	6
North Dakota	0	0	0	0	5	0	0	5
South Dakota	0	0	0	247	12	0	0	12
South Atlantic	**0**	**0**	**0**	**3**	**2**	**0**	**0**	**1**
Delaware	0	0	0	45	26	0	0	6
District of Columbia	0	0	0	0	0	0	0	0
Florida	0	0	0	12	3	0	1	3
Georgia	0	0	0	7	5	0	0	2
Maryland	0	0	0	18	10	0	0	1
North Carolina	0	0	0	4	3	0	0	4
South Carolina	0	0	0	14	16	0	0	14
Virginia	0	0	0	14	8	0	0	2
West Virginia	0	0	0	0	9	0	0	7
East South Central	**0**	**0**	**0**	**10**	**8**	**0**	**0**	**0**
Alabama	0	0	0	17	12	0	0	0
Kentucky	0	0	0	0	0	0	0	20
Mississippi	0	0	0	6	6	0	0	0
Tennessee	0	0	0	26	20	0	0	19
West South Central	**0**	**0**	**0**	**4**	**1**	**0**	**0**	**0**
Arkansas	0	0	0	0	10	0	0	0
Louisiana	0	0	0	0	23	0	0	3
Oklahoma	0	0	0	0	2	0	0	1
Texas	0	0	0	4	1	0	0	1
Mountain	**0**	**5**	**0**	**2**	**2**	**0**	**0**	**2**
Arizona	0	0	0	3	4	0	0	3
Colorado	0	0	0	10	3	0	0	2
Idaho	0	20	0	14	8	0	0	10
Montana	0	0	0	60	11	0	0	4
Nevada	0	5	0	3	3	0	0	2
New Mexico	0	0	0	10	3	0	0	2
Utah	0	12	0	8	6	0	0	5
Wyoming	0	0	0	0	10	0	0	8
Pacific Contiguous	**0**	**2**	**0**	**2**	**2**	**0**	**0**	**1**
California	0	2	0	2	2	0	0	1
Oregon	0	12	0	16	5	0	0	3
Washington	0	0	0	0	8	0	0	5
Pacific Noncontiguous	**0**	**11**	**0**	**21**	**10**	**0**	**0**	**4**
Alaska	0	0	0	0	60	0	0	39
Hawaii	0	11	0	21	10	0	0	3
U.S. Total	**0**	**2**	**0**	**2**	**1**	**0**	**0**	**0**

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

Table A.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 2018

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**41**	**0**	**2**	**0**	**0**	**12**
Connecticut	0	69	0	0	0	0	46
Maine	0	11	0	24	0	0	13
Massachusetts	0	40	0	3	0	0	28
New Hampshire	0	1,193	0	0	0	0	26
Rhode Island	0	131	0	10	0	0	0
Vermont	0	0	0	0	0	0	25
Middle Atlantic	**3**	**10**	**0**	**1**	**0**	**0**	**13**
New Jersey	0	22	0	2	0	0	80
New York	0	10	0	3	0	0	11
Pennsylvania	3	22	0	1	0	0	16
East North Central	**0**	**3**	**34**	**1**	**5**	**0**	**33**
Illinois	0	3	0	7	0	0	56
Indiana	0	0	0	1	0	0	0
Michigan	0	0	0	1	0	0	79
Ohio	1	5	34	0	17	0	49
Wisconsin	0	0	0	1	0	0	74
West North Central	**0**	**3**	**0**	**11**	**0**	**0**	**50**
Iowa	0	51	0	0	0	0	0
Kansas	0	0	0	0	0	0	0
Minnesota	0	3	0	31	0	0	55
Missouri	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0
South Atlantic	**5**	**16**	**0**	**2**	**0**	**0**	**5**
Delaware	0	93	0	6	0	0	0
District of Columbia	0	0	0	0	0	0	0
Florida	0	28	0	6	0	0	0
Georgia	0	284	0	2	0	0	81
Maryland	0	19	0	1	0	0	2
North Carolina	0	83	0	8	0	0	64
South Carolina	0	0	0	26	0	0	57
Virginia	0	11	0	2	0	0	51
West Virginia	8	0	0	72	0	0	35
East South Central	**0**	**55**	**0**	**0**	**0**	**0**	**208**
Alabama	0	84	0	0	0	0	0
Kentucky	0	0	0	0	0	0	208
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0
West South Central	**0**	**42**	**0**	**1**	**0**	**0**	**18**
Arkansas	0	0	0	0	0	0	94
Louisiana	0	0	0	0	0	0	19
Oklahoma	0	0	0	0	0	0	0
Texas	0	42	0	1	0	0	0
Mountain	**4**	**21**	**0**	**3**	**0**	**0**	**24**
Arizona	0	0	0	2	0	0	0
Colorado	0	0	0	4	0	0	63
Idaho	0	0	0	37	0	0	29
Montana	5	49	0	13	0	0	69
Nevada	0	0	0	0	0	0	80
New Mexico	0	0	0	3	0	0	0
Utah	0	0	0	0	0	0	0
Wyoming	0	0	0	0	0	0	0
Pacific Contiguous	**0**	**16**	**0**	**1**	**0**	**0**	**26**
California	0	0	0	1	0	0	43
Oregon	0	0	0	0	0	0	49
Washington	0	22	0	8	0	0	38
Pacific Noncontiguous	**5**	**0**	**0**	**0**	**0**	**0**	**0**
Alaska	48	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**1**	**3**	**20**	**0**	**3**	**0**	**7**

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

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

Independent Power Producers by Census Division and State, Year-to-Date through February 2018 (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**	**9**	**6**	**0**	**0**	**1**
Connecticut	0	0	0	43	12	0	0	1
Maine	0	0	0	104	8	0	0	7
Massachusetts	0	0	0	10	6	0	1	2
New Hampshire	0	0	0	0	17	0	0	3
Rhode Island	0	0	0	56	8	0	0	9
Vermont	0	0	0	35	22	0	0	18
Middle Atlantic	**0**	**0**	**0**	**9**	**4**	**0**	**0**	**1**
New Jersey	0	0	0	11	6	0	0	1
New York	0	0	0	20	5	0	0	1
Pennsylvania	0	0	0	38	6	0	0	1
East North Central	**0**	**0**	**0**	**15**	**3**	**0**	**7**	**0**
Illinois	0	0	0	37	3	0	0	0
Indiana	0	0	0	21	5	0	0	2
Michigan	0	0	0	72	7	0	10	1
Ohio	0	0	0	31	4	0	0	0
Wisconsin	0	0	0	54	8	0	0	1
West North Central	**0**	**0**	**0**	**9**	**3**	**0**	**0**	**3**
Iowa	0	0	0	217	6	0	0	4
Kansas	0	0	0	123	2	0	0	2
Minnesota	0	0	0	9	5	0	0	5
Missouri	0	0	0	37	6	0	0	4
Nebraska	0	0	0	71	6	0	0	6
North Dakota	0	0	0	0	5	0	0	5
South Dakota	0	0	0	247	12	0	0	12
South Atlantic	**0**	**0**	**0**	**3**	**2**	**0**	**0**	**1**
Delaware	0	0	0	45	26	0	0	6
District of Columbia	0	0	0	0	0	0	0	0
Florida	0	0	0	12	3	0	1	3
Georgia	0	0	0	7	5	0	0	2
Maryland	0	0	0	18	10	0	0	1
North Carolina	0	0	0	4	3	0	0	4
South Carolina	0	0	0	14	16	0	0	14
Virginia	0	0	0	14	8	0	0	2
West Virginia	0	0	0	0	9	0	0	7
East South Central	**0**	**0**	**0**	**10**	**8**	**0**	**0**	**0**
Alabama	0	0	0	17	12	0	0	0
Kentucky	0	0	0	0	0	0	0	20
Mississippi	0	0	0	6	6	0	0	0
Tennessee	0	0	0	26	20	0	0	19
West South Central	**0**	**0**	**0**	**4**	**1**	**0**	**0**	**0**
Arkansas	0	0	0	0	10	0	0	0
Louisiana	0	0	0	0	23	0	0	3
Oklahoma	0	0	0	0	2	0	0	1
Texas	0	0	0	4	1	0	0	1
Mountain	**0**	**5**	**0**	**2**	**2**	**0**	**0**	**2**
Arizona	0	0	0	3	4	0	0	3
Colorado	0	0	0	10	3	0	0	2
Idaho	0	20	0	14	8	0	0	10
Montana	0	0	0	60	11	0	0	4
Nevada	0	5	0	3	3	0	0	2
New Mexico	0	0	0	10	3	0	0	2
Utah	0	12	0	8	6	0	0	5
Wyoming	0	0	0	0	10	0	0	8
Pacific Contiguous	**0**	**2**	**0**	**2**	**2**	**0**	**0**	**1**
California	0	2	0	2	2	0	0	1
Oregon	0	12	0	16	5	0	0	3
Washington	0	0	0	0	8	0	0	5
Pacific Noncontiguous	**0**	**11**	**0**	**21**	**10**	**0**	**0**	**4**
Alaska	0	0	0	0	60	0	0	39
Hawaii	0	11	0	21	10	0	0	3
U.S. Total	**0**	**2**	**0**	**2**	**1**	**0**	**0**	**0**

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

Table A.4.A. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, February 2018

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**22**	**0**	**22**	**0**	**0**	**0**
Connecticut	0	5,938	0	30	0	0	0
Maine	0	0	0	0	0	0	0
Massachusetts	0	68	0	36	0	0	0
New Hampshire	0	1	0	0	0	0	0
Rhode Island	0	0	0	0	0	0	0
Vermont	0	0	0	0	0	0	0
Middle Atlantic	**0**	**49**	**0**	**20**	**0**	**0**	**0**
New Jersey	0	0	0	26	0	0	0
New York	0	123	0	29	0	0	0
Pennsylvania	0	0	0	0	0	0	0
East North Central	**35**	**97**	**0**	**10**	**0**	**0**	**0**
Illinois	66	484	0	38	0	0	0
Indiana	0	0	0	0	0	0	0
Michigan	0	3	0	7	0	0	0
Ohio	0	0	0	0	0	0	0
Wisconsin	0	235	0	49	0	0	0
West North Central	**0**	**12**	**0**	**2**	**0**	**0**	**0**
Iowa	0	0	0	2	0	0	0
Minnesota	0	13	0	4	0	0	0
Missouri	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0
South Dakota	0	664	0	0	0	0	0
South Atlantic	**0**	**1**	**0**	**0**	**0**	**0**	**0**
District of Columbia	0	0	0	0	0	0	0
Florida	0	0	0	0	0	0	0
Georgia	0	26	0	0	0	0	0
Maryland	0	0	0	0	0	0	0
North Carolina	0	0	0	0	0	0	0
South Carolina	0	0	0	0	0	0	0
Virginia	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**30**	**0**	**0**	**0**
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	34	0	0	0
West South Central	**0**	**12**	**0**	**22**	**0**	**0**	**459**
Arkansas	0	0	0	0	0	0	0
Louisiana	0	0	0	33	0	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	12	0	27	0	0	459
Mountain	**0**	**0**	**0**	**8**	**0**	**0**	**0**
Arizona	0	0	0	0	0	0	0
Colorado	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0
New Mexico	0	0	0	33	0	0	0
Utah	0	0	0	5	0	0	0
Pacific Contiguous	**0**	**14**	**0**	**2**	**0**	**0**	**0**
California	0	22	0	2	0	0	0
Oregon	0	0	0	0	0	0	0
Washington	0	0	0	0	0	0	0
Pacific Noncontiguous	**46**	**2**	**0**	**0**	**0**	**0**	**61**
Alaska	46	2	0	0	0	0	61
Hawaii	0	0	0	0	0	0	0
U.S. Total	**16**	**12**	**0**	**5**	**0**	**0**	**52**

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

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

Commercial Sector by Census Division and State, February 2018 (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**	**91**	**2**	**0**	**0**	**15**
Connecticut	0	0	0	0	0	0	0	30
Maine	0	0	0	0	0	0	0	0
Massachusetts	0	0	0	91	8	0	0	31
New Hampshire	0	0	0	0	0	0	0	0
Rhode Island	0	0	0	0	0	0	0	0
Vermont	0	0	0	0	0	0	0	0
Middle Atlantic	**0**	**0**	**0**	**24**	**6**	**0**	**4**	**9**
New Jersey	0	0	0	25	10	0	0	9
New York	0	0	0	145	8	0	10	18
Pennsylvania	0	0	0	120	8	0	0	3
East North Central	**0**	**0**	**0**	**130**	**8**	**0**	**0**	**7**
Illinois	0	0	0	175	142	0	0	33
Indiana	0	0	0	0	0	0	0	0
Michigan	0	0	0	0	0	0	0	5
Ohio	0	0	0	192	35	0	0	2
Wisconsin	0	0	0	0	38	0	0	37
West North Central	**0**	**0**	**0**	**0**	**19**	**0**	**45**	**7**
Iowa	0	0	0	0	18	0	0	4
Kansas	0	0	0	0	180	0	0	180
Minnesota	0	0	0	0	54	0	45	16
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0	664
South Atlantic	**0**	**0**	**0**	**25**	**8**	**0**	**0**	**3**
Delaware	0	0	0	247	50	0	0	50
District of Columbia	0	0	0	0	0	0	0	0
Florida	0	0	0	116	24	0	0	17
Georgia	0	0	0	173	173	0	0	137
Maryland	0	0	0	114	26	0	0	2
North Carolina	0	0	0	27	25	0	0	12
South Carolina	0	0	0	0	0	0	0	0
Virginia	0	0	0	0	4	0	0	2
East South Central	**0**	**0**	**0**	**140**	**140**	**0**	**0**	**29**
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	140	140	0	0	33
West South Central	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**19**
Arkansas	0	0	0	0	0	0	0	0
Louisiana	0	0	0	0	0	0	0	33
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	0	0	0	0	23
Mountain	**0**	**0**	**0**	**30**	**25**	**0**	**0**	**8**
Arizona	0	0	0	62	62	0	0	7
Colorado	0	0	0	75	75	0	0	63
Idaho	0	0	0	0	0	0	0	0
Nevada	0	0	0	38	38	0	0	18
New Mexico	0	0	0	0	232	0	0	33
Utah	0	0	0	0	0	0	0	5
Pacific Contiguous	**0**	**0**	**0**	**26**	**6**	**0**	**0**	**2**
California	0	0	0	26	6	0	0	2
Oregon	0	0	0	0	30	0	0	12
Washington	0	0	0	0	47	0	0	19
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**21**
Alaska	0	0	0	0	0	0	0	36
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**13**	**3**	**0**	**2**	**3**

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

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 2018

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**22**	**0**	**22**	**0**	**0**	**0**
Connecticut	0	5,938	0	30	0	0	0
Maine	0	0	0	0	0	0	0
Massachusetts	0	68	0	36	0	0	0
New Hampshire	0	1	0	0	0	0	0
Rhode Island	0	0	0	0	0	0	0
Vermont	0	0	0	0	0	0	0
Middle Atlantic	**0**	**49**	**0**	**20**	**0**	**0**	**0**
New Jersey	0	0	0	26	0	0	0
New York	0	123	0	29	0	0	0
Pennsylvania	0	0	0	0	0	0	0
East North Central	**35**	**97**	**0**	**10**	**0**	**0**	**0**
Illinois	66	484	0	38	0	0	0
Indiana	0	0	0	0	0	0	0
Michigan	0	3	0	7	0	0	0
Ohio	0	0	0	0	0	0	0
Wisconsin	0	235	0	49	0	0	0
West North Central	**0**	**12**	**0**	**2**	**0**	**0**	**0**
Iowa	0	0	0	2	0	0	0
Minnesota	0	13	0	4	0	0	0
Missouri	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0
South Dakota	0	664	0	0	0	0	0
South Atlantic	**0**	**1**	**0**	**0**	**0**	**0**	**0**
District of Columbia	0	0	0	0	0	0	0
Florida	0	0	0	0	0	0	0
Georgia	0	26	0	0	0	0	0
Maryland	0	0	0	0	0	0	0
North Carolina	0	0	0	0	0	0	0
South Carolina	0	0	0	0	0	0	0
Virginia	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**30**	**0**	**0**	**0**
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	34	0	0	0
West South Central	**0**	**12**	**0**	**22**	**0**	**0**	**459**
Arkansas	0	0	0	0	0	0	0
Louisiana	0	0	0	33	0	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	12	0	27	0	0	459
Mountain	**0**	**0**	**0**	**8**	**0**	**0**	**0**
Arizona	0	0	0	0	0	0	0
Colorado	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0
New Mexico	0	0	0	33	0	0	0
Utah	0	0	0	5	0	0	0
Pacific Contiguous	**0**	**14**	**0**	**2**	**0**	**0**	**0**
California	0	22	0	2	0	0	0
Oregon	0	0	0	0	0	0	0
Washington	0	0	0	0	0	0	0
Pacific Noncontiguous	**46**	**2**	**0**	**0**	**0**	**0**	**61**
Alaska	46	2	0	0	0	0	61
Hawaii	0	0	0	0	0	0	0
U.S. Total	**16**	**12**	**0**	**5**	**0**	**0**	**52**

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

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 2018 (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**	**91**	**2**	**0**	**0**	**15**
Connecticut	0	0	0	0	0	0	0	30
Maine	0	0	0	0	0	0	0	0
Massachusetts	0	0	0	91	8	0	0	31
New Hampshire	0	0	0	0	0	0	0	0
Rhode Island	0	0	0	0	0	0	0	0
Vermont	0	0	0	0	0	0	0	0
Middle Atlantic	**0**	**0**	**0**	**24**	**6**	**0**	**4**	**9**
New Jersey	0	0	0	25	10	0	0	9
New York	0	0	0	145	8	0	10	18
Pennsylvania	0	0	0	120	8	0	0	3
East North Central	**0**	**0**	**0**	**130**	**8**	**0**	**0**	**7**
Illinois	0	0	0	175	142	0	0	33
Indiana	0	0	0	0	0	0	0	0
Michigan	0	0	0	0	0	0	0	5
Ohio	0	0	0	192	35	0	0	2
Wisconsin	0	0	0	0	38	0	0	37
West North Central	**0**	**0**	**0**	**0**	**19**	**0**	**45**	**7**
Iowa	0	0	0	0	18	0	0	4
Kansas	0	0	0	0	180	0	0	180
Minnesota	0	0	0	0	54	0	45	16
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0	664
South Atlantic	**0**	**0**	**0**	**25**	**8**	**0**	**0**	**3**
Delaware	0	0	0	247	50	0	0	50
District of Columbia	0	0	0	0	0	0	0	0
Florida	0	0	0	116	24	0	0	17
Georgia	0	0	0	173	173	0	0	137
Maryland	0	0	0	114	26	0	0	2
North Carolina	0	0	0	27	25	0	0	12
South Carolina	0	0	0	0	0	0	0	0
Virginia	0	0	0	0	4	0	0	2
East South Central	**0**	**0**	**0**	**140**	**140**	**0**	**0**	**29**
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	140	140	0	0	33
West South Central	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**19**
Arkansas	0	0	0	0	0	0	0	0
Louisiana	0	0	0	0	0	0	0	33
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	0	0	0	0	23
Mountain	**0**	**0**	**0**	**30**	**25**	**0**	**0**	**8**
Arizona	0	0	0	62	62	0	0	7
Colorado	0	0	0	75	75	0	0	63
Idaho	0	0	0	0	0	0	0	0
Nevada	0	0	0	38	38	0	0	18
New Mexico	0	0	0	0	232	0	0	33
Utah	0	0	0	0	0	0	0	5
Pacific Contiguous	**0**	**0**	**0**	**26**	**6**	**0**	**0**	**2**
California	0	0	0	26	6	0	0	2
Oregon	0	0	0	0	30	0	0	12
Washington	0	0	0	0	47	0	0	19
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**21**
Alaska	0	0	0	0	0	0	0	36
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**13**	**3**	**0**	**2**	**3**

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

Table A.5.A. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, February 2018

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**128**	**50**	**0**	**18**	**0**	**0**	**31**
Connecticut	0	0	0	21	0	0	0
Maine	128	50	0	54	0	0	32
Massachusetts	0	0	0	11	0	0	0
New Hampshire	0	0	0	0	0	0	0
Middle Atlantic	**28**	**10**	**74**	**12**	**13**	**0**	**28**
New Jersey	0	0	0	12	0	0	0
New York	0	0	0	11	0	0	28
Pennsylvania	35	129	134	20	18	0	0
East North Central	**7**	**10**	**0**	**7**	**8**	**0**	**44**
Illinois	7	0	0	23	0	0	0
Indiana	0	0	0	10	9	0	0
Michigan	29	124	0	14	0	0	89
Ohio	89	0	0	19	0	0	0
Wisconsin	18	181	0	15	0	0	49
West North Central	**4**	**0**	**0**	**3**	**0**	**0**	**55**
Iowa	4	0	0	0	0	0	0
Kansas	0	0	0	208	0	0	0
Minnesota	10	0	0	0	0	0	55
Missouri	0	0	0	0	0	0	0
Nebraska	7	0	0	0	0	0	0
North Dakota	63	0	0	0	0	0	0
South Atlantic	**17**	**46**	**142**	**6**	**0**	**0**	**29**
Delaware	0	0	0	0	0	0	0
Florida	44	134	0	16	0	0	0
Georgia	74	108	142	23	0	0	0
Maryland	0	0	0	0	0	0	0
North Carolina	13	97	0	31	0	0	414
South Carolina	0	0	0	16	0	0	0
Virginia	17	120	0	4	0	0	0
West Virginia	0	0	0	0	0	0	29
East South Central	**6**	**108**	**0**	**11**	**53**	**0**	**0**
Alabama	92	141	0	19	73	0	0
Kentucky	0	0	0	17	0	0	0
Mississippi	0	0	0	25	0	0	0
Tennessee	0	0	0	10	0	0	0
West South Central	**0**	**0**	**38**	**1**	**9**	**0**	**0**
Arkansas	0	0	0	21	0	0	0
Louisiana	0	0	0	2	12	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	0	203	2	12	0	0
Mountain	**22**	**0**	**0**	**4**	**0**	**0**	**0**
Colorado	0	0	0	0	0	0	0
Idaho	123	0	0	35	0	0	0
Montana	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0
Utah	0	0	0	0	0	0	0
Wyoming	23	0	0	7	0	0	0
Pacific Contiguous	**0**	**8**	**0**	**1**	**3**	**0**	**0**
California	0	0	0	1	3	0	0
Oregon	0	0	0	40	0	0	0
Washington	0	97	0	24	0	0	0
Pacific Noncontiguous	**0**	**1**	**0**	**0**	**0**	**0**	**98**
Alaska	0	7	0	0	0	0	0
Hawaii	0	0	0	0	0	0	98
U.S. Total	**3**	**6**	**42**	**1**	**5**	**0**	**17**

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

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

Industrial Sector by Census Division and State, February 2018 (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**	**781**	**7**	**0**	**0**	**9**
Connecticut	0	0	0	781	781	0	0	21
Maine	0	0	0	0	7	0	0	11
Massachusetts	0	0	0	0	0	0	0	11
New Hampshire	0	0	0	0	0	0	0	0
Middle Atlantic	**0**	**0**	**0**	**74**	**7**	**0**	**0**	**7**
New Jersey	0	0	0	107	107	0	0	7
New York	0	0	0	0	13	0	0	7
Pennsylvania	0	0	0	103	8	0	0	11
East North Central	**0**	**0**	**0**	**0**	**5**	**0**	**3**	**3**
Illinois	0	0	0	0	0	0	0	6
Indiana	0	0	0	0	22	0	0	6
Michigan	0	0	0	0	8	0	0	7
Ohio	0	0	0	0	15	0	0	9
Wisconsin	0	0	0	0	8	0	58	9
West North Central	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**3**
Iowa	0	0	0	0	0	0	0	3
Kansas	0	0	0	0	0	0	0	136
Minnesota	0	0	0	0	0	0	0	6
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	7
North Dakota	0	0	0	0	55	0	0	36
South Atlantic	**0**	**0**	**0**	**179**	**2**	**0**	**1**	**2**
Delaware	0	0	0	0	52	0	0	1
Florida	0	0	0	179	5	0	1	5
Georgia	0	0	0	0	4	0	18	6
Maryland	0	0	0	0	0	0	0	0
North Carolina	0	0	0	0	5	0	0	4
South Carolina	0	0	0	0	2	0	0	2
Virginia	0	0	0	0	0	0	0	2
West Virginia	0	0	0	0	0	0	0	15
East South Central	**0**	**0**	**0**	**143**	**3**	**0**	**75**	**3**
Alabama	0	0	0	0	4	0	0	5
Kentucky	0	0	0	0	15	0	0	11
Mississippi	0	0	0	0	4	0	0	7
Tennessee	0	0	0	143	5	0	75	3
West South Central	**0**	**0**	**0**	**0**	**3**	**0**	**3**	**1**
Arkansas	0	0	0	0	4	0	72	5
Louisiana	0	0	0	0	4	0	2	2
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	0	9	0	8	2
Mountain	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**4**
Colorado	0	0	0	0	0	0	0	0
Idaho	0	0	0	0	2	0	0	10
Montana	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0	0
Utah	0	0	0	0	0	0	0	0
Wyoming	0	0	0	0	0	0	0	7
Pacific Contiguous	**0**	**0**	**0**	**51**	**5**	**0**	**4**	**1**
California	0	0	0	51	9	0	4	1
Oregon	0	0	0	0	11	0	0	11
Washington	0	0	0	0	7	0	0	7
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**10**
Alaska	0	0	0	0	0	0	0	3
Hawaii	0	0	0	0	0	0	0	14
U.S. Total	**0**	**0**	**0**	**37**	**2**	**0**	**1**	**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.5.B. Relative Standard Error for Net Generation by Fuel Type:

Industrial Sector by Census Division and State, Year-to-Date through February 2018

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**128**	**50**	**0**	**18**	**0**	**0**	**31**
Connecticut	0	0	0	21	0	0	0
Maine	128	50	0	54	0	0	32
Massachusetts	0	0	0	11	0	0	0
New Hampshire	0	0	0	0	0	0	0
Middle Atlantic	**28**	**10**	**74**	**12**	**13**	**0**	**28**
New Jersey	0	0	0	12	0	0	0
New York	0	0	0	11	0	0	28
Pennsylvania	35	129	134	20	18	0	0
East North Central	**7**	**10**	**0**	**7**	**8**	**0**	**44**
Illinois	7	0	0	23	0	0	0
Indiana	0	0	0	10	9	0	0
Michigan	29	124	0	14	0	0	89
Ohio	89	0	0	19	0	0	0
Wisconsin	18	181	0	15	0	0	49
West North Central	**4**	**0**	**0**	**3**	**0**	**0**	**55**
Iowa	4	0	0	0	0	0	0
Kansas	0	0	0	208	0	0	0
Minnesota	10	0	0	0	0	0	55
Missouri	0	0	0	0	0	0	0
Nebraska	7	0	0	0	0	0	0
North Dakota	63	0	0	0	0	0	0
South Atlantic	**17**	**46**	**142**	**6**	**0**	**0**	**29**
Delaware	0	0	0	0	0	0	0
Florida	44	134	0	16	0	0	0
Georgia	74	108	142	23	0	0	0
Maryland	0	0	0	0	0	0	0
North Carolina	13	97	0	31	0	0	414
South Carolina	0	0	0	16	0	0	0
Virginia	17	120	0	4	0	0	0
West Virginia	0	0	0	0	0	0	29
East South Central	**6**	**108**	**0**	**11**	**53**	**0**	**0**
Alabama	92	141	0	19	73	0	0
Kentucky	0	0	0	17	0	0	0
Mississippi	0	0	0	25	0	0	0
Tennessee	0	0	0	10	0	0	0
West South Central	**0**	**0**	**38**	**1**	**9**	**0**	**0**
Arkansas	0	0	0	21	0	0	0
Louisiana	0	0	0	2	12	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	0	203	2	12	0	0
Mountain	**22**	**0**	**0**	**4**	**0**	**0**	**0**
Colorado	0	0	0	0	0	0	0
Idaho	123	0	0	35	0	0	0
Montana	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0
Utah	0	0	0	0	0	0	0
Wyoming	23	0	0	7	0	0	0
Pacific Contiguous	**0**	**8**	**0**	**1**	**3**	**0**	**0**
California	0	0	0	1	3	0	0
Oregon	0	0	0	40	0	0	0
Washington	0	97	0	24	0	0	0
Pacific Noncontiguous	**0**	**1**	**0**	**0**	**0**	**0**	**98**
Alaska	0	7	0	0	0	0	0
Hawaii	0	0	0	0	0	0	98
U.S. Total	**3**	**6**	**42**	**1**	**5**	**0**	**17**

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

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

Industrial Sector by Census Division and State, Year-to-Date through February 2018 (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**	**781**	**7**	**0**	**0**	**9**
Connecticut	0	0	0	781	781	0	0	21
Maine	0	0	0	0	7	0	0	11
Massachusetts	0	0	0	0	0	0	0	11
New Hampshire	0	0	0	0	0	0	0	0
Middle Atlantic	**0**	**0**	**0**	**74**	**7**	**0**	**0**	**7**
New Jersey	0	0	0	107	107	0	0	7
New York	0	0	0	0	13	0	0	7
Pennsylvania	0	0	0	103	8	0	0	11
East North Central	**0**	**0**	**0**	**0**	**5**	**0**	**3**	**3**
Illinois	0	0	0	0	0	0	0	6
Indiana	0	0	0	0	22	0	0	6
Michigan	0	0	0	0	8	0	0	7
Ohio	0	0	0	0	15	0	0	9
Wisconsin	0	0	0	0	8	0	58	9
West North Central	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**3**
Iowa	0	0	0	0	0	0	0	3
Kansas	0	0	0	0	0	0	0	136
Minnesota	0	0	0	0	0	0	0	6
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	7
North Dakota	0	0	0	0	55	0	0	36
South Atlantic	**0**	**0**	**0**	**179**	**2**	**0**	**1**	**2**
Delaware	0	0	0	0	52	0	0	1
Florida	0	0	0	179	5	0	1	5
Georgia	0	0	0	0	4	0	18	6
Maryland	0	0	0	0	0	0	0	0
North Carolina	0	0	0	0	5	0	0	4
South Carolina	0	0	0	0	2	0	0	2
Virginia	0	0	0	0	0	0	0	2
West Virginia	0	0	0	0	0	0	0	15
East South Central	**0**	**0**	**0**	**143**	**3**	**0**	**75**	**3**
Alabama	0	0	0	0	4	0	0	5
Kentucky	0	0	0	0	15	0	0	11
Mississippi	0	0	0	0	4	0	0	7
Tennessee	0	0	0	143	5	0	75	3
West South Central	**0**	**0**	**0**	**0**	**3**	**0**	**3**	**1**
Arkansas	0	0	0	0	4	0	72	5
Louisiana	0	0	0	0	4	0	2	2
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	0	9	0	8	2
Mountain	**0**	**0**	**0**	**0**	**2**	**0**	**0**	**4**
Colorado	0	0	0	0	0	0	0	0
Idaho	0	0	0	0	2	0	0	10
Montana	0	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0	0
Utah	0	0	0	0	0	0	0	0
Wyoming	0	0	0	0	0	0	0	7
Pacific Contiguous	**0**	**0**	**0**	**51**	**5**	**0**	**4**	**1**
California	0	0	0	51	9	0	4	1
Oregon	0	0	0	0	11	0	0	11
Washington	0	0	0	0	7	0	0	7
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**10**
Alaska	0	0	0	0	0	0	0	3
Hawaii	0	0	0	0	0	0	0	14
U.S. Total	**0**	**0**	**0**	**37**	**2**	**0**	**1**	**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.6.A. Relative Standard Error for Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, February 2018

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**1**	**1**	**3**	**0**	**1**
Connecticut	1	2	5	0	1
Maine	1	2	2	0	1
Massachusetts	2	2	9	0	2
New Hampshire	1	2	4	0	1
Rhode Island	0	0	0	0	0
Vermont	5	8	7	0	4
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	1	1	2	0	1
New York	1	1	2	0	0
Pennsylvania	1	1	1	0	0
East North Central	**1**	**1**	**1**	**0**	**1**
Illinois	1	2	1	0	1
Indiana	2	4	2	0	1
Michigan	1	2	3	0	1
Ohio	1	2	2	0	1
Wisconsin	1	4	5	0	2
West North Central	**1**	**2**	**3**	**0**	**1**
Iowa	2	7	5	0	3
Kansas	3	2	6	0	2
Minnesota	2	5	6	0	3
Missouri	2	3	7	0	2
Nebraska	2	7	9	0	4
North Dakota	2	4	8	0	3
South Dakota	3	9	12	0	4
South Atlantic	**1**	**0**	**2**	**0**	**0**
Delaware	2	4	8	0	2
District of Columbia	0	0	0	0	0
Florida	1	1	5	0	1
Georgia	2	1	4	0	1
Maryland	1	1	5	0	1
North Carolina	2	1	3	0	1
South Carolina	2	1	3	0	1
Virginia	1	0	4	0	1
West Virginia	1	1	0	0	0
East South Central	**1**	**2**	**2**	**0**	**1**
Alabama	2	1	2	0	1
Kentucky	3	5	4	0	2
Mississippi	3	2	5	0	2
Tennessee	2	4	5	0	2
West South Central	**1**	**1**	**1**	**0**	**1**
Arkansas	2	2	4	0	2
Louisiana	2	1	1	0	1
Oklahoma	2	1	4	0	2
Texas	2	1	2	0	1
Mountain	**1**	**2**	**2**	**0**	**1**
Arizona	1	3	4	0	1
Colorado	2	5	6	0	3
Idaho	1	5	5	0	2
Montana	2	7	8	0	3
Nevada	1	3	1	0	1
New Mexico	3	8	8	0	4
Utah	3	5	3	0	2
Wyoming	3	8	4	0	3
Pacific Contiguous	**1**	**1**	**3**	**0**	**1**
California	1	1	2	0	1
Oregon	1	4	9	0	3
Washington	1	4	7	0	2
Pacific Noncontiguous	**1**	**5**	**4**	**0**	**2**
Alaska	3	9	12	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 2018

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**1**	**1**	**3**	**0**	**1**
Connecticut	1	1	4	0	1
Maine	1	1	2	0	1
Massachusetts	2	1	7	0	1
New Hampshire	1	1	4	0	1
Rhode Island	0	0	0	0	0
Vermont	5	5	6	0	3
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	1	0	2	0	0
New York	1	0	2	0	0
Pennsylvania	1	1	0	0	0
East North Central	**1**	**1**	**1**	**0**	**0**
Illinois	1	1	1	0	1
Indiana	2	2	2	0	1
Michigan	1	2	3	0	1
Ohio	1	1	1	0	1
Wisconsin	1	3	5	0	2
West North Central	**1**	**2**	**3**	**0**	**1**
Iowa	2	6	4	0	2
Kansas	3	1	6	0	2
Minnesota	1	4	6	0	2
Missouri	2	2	6	0	1
Nebraska	2	7	8	0	3
North Dakota	1	4	7	0	3
South Dakota	2	8	10	0	4
South Atlantic	**1**	**0**	**1**	**0**	**0**
Delaware	2	3	7	0	2
District of Columbia	0	0	0	0	0
Florida	1	1	5	0	1
Georgia	2	1	3	0	1
Maryland	1	1	4	0	0
North Carolina	1	1	3	0	1
South Carolina	2	1	3	0	1
Virginia	1	0	3	0	1
West Virginia	0	1	0	0	0
East South Central	**1**	**1**	**2**	**0**	**1**
Alabama	2	1	2	0	1
Kentucky	2	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	1	4	0	1
Texas	2	1	2	0	1
Mountain	**1**	**2**	**2**	**0**	**1**
Arizona	1	2	3	0	1
Colorado	2	4	5	0	2
Idaho	1	4	4	0	2
Montana	2	6	7	0	3
Nevada	1	2	1	0	1
New Mexico	2	6	7	0	3
Utah	2	4	2	0	2
Wyoming	2	6	3	0	2
Pacific Contiguous	**0**	**1**	**3**	**0**	**1**
California	0	1	2	0	1
Oregon	1	4	8	0	2
Washington	1	4	6	0	2
Pacific Noncontiguous	**1**	**4**	**3**	**0**	**2**
Alaska	2	8	11	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 2018

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**1**	**1**	**2**	**0**	**1**
Connecticut	1	2	3	0	1
Maine	1	2	2	0	1
Massachusetts	1	2	4	0	1
New Hampshire	1	2	4	0	1
Rhode Island	0	0	0	0	0
Vermont	5	8	6	0	4
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	1	1	3	0	1
New York	0	0	2	0	0
Pennsylvania	1	1	1	0	1
East North Central	**1**	**1**	**2**	**0**	**1**
Illinois	1	2	3	0	1
Indiana	2	4	2	0	2
Michigan	1	2	4	0	1
Ohio	1	2	3	0	1
Wisconsin	1	3	7	0	2
West North Central	**1**	**2**	**4**	**0**	**1**
Iowa	2	6	8	0	3
Kansas	3	2	6	0	2
Minnesota	2	4	8	0	2
Missouri	3	4	6	0	2
Nebraska	2	7	13	0	4
North Dakota	2	4	8	0	3
South Dakota	3	7	14	0	4
South Atlantic	**1**	**1**	**2**	**0**	**1**
Delaware	3	6	9	0	3
District of Columbia	0	0	0	0	0
Florida	1	1	5	0	1
Georgia	2	2	5	0	1
Maryland	1	1	4	0	1
North Carolina	2	2	4	0	1
South Carolina	3	2	5	0	2
Virginia	1	1	4	0	1
West Virginia	1	2	0	0	1
East South Central	**1**	**2**	**2**	**0**	**1**
Alabama	2	2	3	0	1
Kentucky	3	6	4	0	2
Mississippi	3	3	6	0	2
Tennessee	2	5	6	0	2
West South Central	**1**	**1**	**2**	**0**	**1**
Arkansas	2	3	4	0	2
Louisiana	2	2	2	0	1
Oklahoma	3	3	6	0	2
Texas	2	1	2	0	1
Mountain	**1**	**2**	**3**	**0**	**1**
Arizona	1	3	5	0	1
Colorado	3	5	8	0	3
Idaho	1	4	7	0	2
Montana	3	5	19	0	3
Nevada	1	3	2	0	1
New Mexico	5	8	12	0	5
Utah	4	6	4	0	3
Wyoming	3	6	5	0	3
Pacific Contiguous	**0**	**1**	**3**	**0**	**1**
California	1	1	2	0	1
Oregon	1	3	12	0	2
Washington	1	3	10	0	2
Pacific Noncontiguous	**1**	**3**	**3**	**0**	**1**
Alaska	3	7	12	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 2018

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

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Table A.8.A. Relative Standard Error for Average Price of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, February 2018

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**2**	**0**	**0**
Connecticut	0	1	3	0	1
Maine	1	0	1	0	0
Massachusetts	1	0	5	0	1
New Hampshire	1	0	2	0	1
Rhode Island	0	0	0	0	0
Vermont	2	2	3	0	1
Middle Atlantic	**0**	**0**	**1**	**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	0
Indiana	1	1	1	0	1
Michigan	1	1	2	0	0
Ohio	1	0	2	0	0
Wisconsin	1	1	2	0	1
West North Central	**1**	**1**	**2**	**0**	**0**
Iowa	2	2	3	0	1
Kansas	2	2	3	0	1
Minnesota	1	1	3	0	1
Missouri	1	1	2	0	1
Nebraska	2	2	6	0	2
North Dakota	1	1	3	0	1
South Dakota	2	3	5	0	2
South Atlantic	**0**	**0**	**1**	**0**	**0**
Delaware	1	2	3	0	1
District of Columbia	0	0	0	0	0
Florida	1	1	3	0	0
Georgia	1	1	2	0	1
Maryland	0	0	2	0	0
North Carolina	1	1	2	0	1
South Carolina	1	2	2	0	1
Virginia	1	1	2	0	0
West Virginia	0	1	0	0	0
East South Central	**1**	**1**	**1**	**0**	**0**
Alabama	1	2	1	0	1
Kentucky	1	2	1	0	1
Mississippi	2	2	3	0	1
Tennessee	1	1	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	1
Mountain	**1**	**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	12	0	1
Nevada	1	1	1	0	1
New Mexico	2	3	6	0	2
Utah	2	2	2	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	2	3	0	1
Pacific Noncontiguous	**1**	**3**	**2**	**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 2018

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

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

Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2018

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
2018	1	01/01/2018 5:43 PM	. .	. Hours, . Minutes	American Electric Power - Texas	TRE	Texas:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system-Severe Weather	Unknown	Unknown
2018	1	01/01/2018 6:21 PM	01/02/2018 6:11 PM	23 Hours, 50 Minutes	Tennessee Valley Authority	SERC	Tennessee:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system-Severe Weather	Unknown	Unknown
2018	1	01/01/2018 9:37 PM	01/02/2018 10:30 AM	12 Hours, 53 Minutes	Memphis Light Gas and Water Division	SERC	Tennessee:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system-System Operations	Unknown	Unknown
2018	1	01/02/2018 6:45 AM	01/02/2018 9:00 AM	2 Hours, 15 Minutes	Duke Energy Progress	SERC	North Carolina: South Carolina:	System-wide voltage reductions of 3 percent or more-Severe Weather	14998	Unknown
2018	1	01/02/2018 7:30 AM	. .	. Hours, . Minutes	South Carolina Electric and Gas	SERC	South Carolina:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system-Severe Weather	0	717000
2018	1	01/02/2018 10:00 AM	02/12/2018 8:00 AM	982 Hours, 0 Minutes	Somerset Operating Company, LLC	NPCC	New York: Niagara County:	Fuel supply emergencies that could impact electric power system adequacy or reliability-Fuel Supply Deficiency	675	Unknown
2018	1	01/15/2018 4:20 AM	01/18/2018 5:48 AM	73 Hours, 28 Minutes	American Electric Power - Texas	TRE	Texas:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system-Severe Weather	Unknown	Unknown
2018	1	01/16/2018 1:57 PM	01/16/2018 2:32 PM	0 Hours, 35 Minutes	ERCOT	TRE	Texas:	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system-Severe Weather	Unknown	Unknown
2018	1	01/16/2018 3:00 PM	01/18/2018 1:00 PM	46 Hours, 0 Minutes	Memphis Light Gas and Water Division	SERC	Tennessee: Shelby County:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system-System Operations	Unknown	Unknown
2018	1	01/16/2018 3:00 PM	01/18/2018 1:00 PM	46 Hours, 0 Minutes	Tennessee Valley Authority	SERC	Tennessee:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system-Severe Weather	Unknown	Unknown
2018	1	01/17/2018 5:10 AM	01/17/2018 1:00 PM	7 Hours, 50 Minutes	Cooperative Energy	SERC	Mississippi:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system-System Operations	1788	420000
2018	1	01/17/2018 6:10 AM	01/17/2018 2:00 PM	7 Hours, 50 Minutes	Louisiana Generating LLC	SERC	Louisiana:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system-System Operations	Unknown	Unknown
2018	1	01/18/2018 5:00 AM	01/18/2018 9:45 AM	4 Hours, 45 Minutes	Cooperative Energy	SERC	Mississippi:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system-System Operations	1760	420000
2018	1	01/18/2018 5:00 AM	01/18/2018 11:00 AM	6 Hours, 0 Minutes	Entergy Services, Inc.	SERC	Arkansas: Mississippi: Louisiana: Texas:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system-Severe Weather	31500	Unknown
2018	1	01/18/2018 6:00 AM	. .	. Hours, . Minutes	Louisiana Generating LLC	SERC	Louisiana:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system-System Operations	Unknown	Unknown
2018	2	02/08/2018 1:25 PM	02/08/2018 1:31 PM	0 Hours, 6 Minutes	Pacific Gas & Electric Co	WECC	California:	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system-System Operations	30	10900

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, 2017

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
2017	1	01/08/2017 9:07 AM	01/13/2017 2:30 PM	125 Hours, 23 Minutes	Pacific Gas & Electric Co	WECC	California:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	106000
2017	1	01/08/2017 11:59 PM	. .	. Hours, . Minutes	California Department of Water Resources	WECC	California:	Fuel supply emergencies that could impact electric power system adequacy or reliability-Fuel Supply Deficiency	0	0
2017	1	01/10/2017 7:30 PM	01/13/2017 2:30 PM	67 Hours, 0 Minutes	Pacific Gas & Electric Co	WECC	California:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	87000
2017	1	01/15/2017 6:35 AM	01/15/2017 7:44 AM	1 Hours, 9 Minutes	Los Angeles Department of Water & Power	WECC	California: Los Angeles County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Transmission Disruption	176	126000
2017	1	01/15/2017 9:27 AM	01/17/2017 1:58 AM	40 Hours, 31 Minutes	Oklahoma Municipal Power Authority	SPP	Oklahoma: Harper County;	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system-Severe Weather	1	788
2017	1	01/18/2017 6:05 PM	01/19/2017 12:05 AM	6 Hours, 0 Minutes	Pacific Gas & Electric Co	WECC	California:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	75000
2017	1	01/22/2017 4:15 AM	01/24/2017 2:00 PM	57 Hours, 45 Minutes	Pacific Gas & Electric Co	WECC	California:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	97	64000
2017	1	01/22/2017 6:00 AM	. .	. Hours, . Minutes	California Department of Water Resources	WECC	California:	Fuel supply emergencies that could impact electric power system adequacy or reliability-Fuel Supply Deficiency	0	0
2017	1	01/22/2017 4:00 PM	01/23/2017 3:26 AM	11 Hours, 26 Minutes	Southern Company	SERC	Alabama: Georgia: Mississippi: Florida:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	100	29965
2017	2	02/02/2017 1:04 AM	02/02/2017 5:00 AM	3 Hours, 56 Minutes	Public Service Company of New Mexico	WECC	New Mexico: Bernalillo County, Santa Fe County;	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident-Transmission Interruption	396	149223
2017	2	02/02/2017 1:11 AM	. .	. Hours, . Minutes	Peak Reliability	WECC	New Mexico: Bernalillo County;	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident-Transmission Interruption	400	Unknown
2017	2	02/13/2017 1:00 PM	02/15/2017 1:35 PM	48 Hours, 35 Minutes	North Carolina Mun Power Agny #1	SERC	North Carolina: Union County;	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems-Vandalism	0	0
2017	2	02/17/2017 8:09 AM	02/22/2017 7:30 PM	131 Hours, 21 Minutes	Pacific Gas & Electric Co	WECC	California:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	254	169250
2017	2	02/17/2017 1:00 PM	02/17/2017 1:15 PM	0 Hours, 15 Minutes	Nevada Power Company d/b/a NV Energy	WECC	Nevada: Clark County;	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems-Vandalism	0	0
2017	2	02/17/2017 3:00 PM	02/20/2017 11:00 AM	68 Hours, 0 Minutes	LADWP	WECC	California: Los Angeles County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	111591
2017	3	03/01/2017 8:30 AM	03/01/2017 2:00 PM	5 Hours, 30 Minutes	Tennessee Valley Authority	SERC	Tennessee: Kentucky:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	58000
2017	3	03/01/2017 11:49 AM	03/02/2017 9:30 PM	33 Hours, 41 Minutes	American Electric Power	RFC	Kentucky: West Virginia:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	98575
2017	3	03/02/2017 12:20 PM	03/02/2017 11:45 PM	11 Hours, 25 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	54316
2017	3	03/06/2017 8:00 PM	03/07/2017 1:00 AM	5 Hours, 0 Minutes	Kansas City Power & Light Co	SERC	Missouri: Jackson County, Platte County, Cass County, Lafayette County, Chariton County, Carroll County, Clay County, Johnson County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	97734
2017	3	03/08/2017 9:30 AM	03/11/2017 5:00 AM	67 Hours, 30 Minutes	Consumers Energy Co	RFC	Michigan: Jackson County, Calhoun County, Ingham County, Hillsdale County, Washtenaw County, Kent County, Ottawa County, Midland County, Saginaw County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	343000
2017	3	03/08/2017 11:30 AM	03/08/2017 7:52 PM	8 Hours, 22 Minutes	Cleveland Electric Illum Co	RFC	Ohio	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	71012
2017	3	03/08/2017 12:00 PM	03/11/2017 11:31 AM	71 Hours, 31 Minutes	Detroit Edison Co	RFC	Michigan	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	800000
2017	3	03/08/2017 1:30 PM	03/08/2017 4:30 PM	3 Hours, 0 Minutes	Niagara Mohawk Power Corporation (dba National Grid)	NPCC	New York	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather/Transmission Interruption	Unknown	106869
2017	3	03/08/2017 3:33 PM	. .	. Hours, . Minutes	Rochester Gas & Electric Corp	NPCC	New York	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	50000
2017	3	03/14/2017 12:32 PM	. .	. Hours, . Minutes	ISO New England	NPCC	Connecticut: Massachusetts: Rhode Island: New Hampshire: Maine: Vermont:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	69647
2017	3	03/21/2017 8:00 PM	03/22/2017 9:15 AM	13 Hours, 15 Minutes	Southern Company	SERC	Georgia	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	857	257000
2017	3	03/29/2017 3:30 AM	03/31/2017 6:00 AM	50 Hours, 30 Minutes	Oncor Electric Delivery Company LLC	TRE	Texas	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	175000

Table B.2 Major Disturbances and Unusual Occurrences, 2017

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
2017	4	04/03/2017 11:00 AM	04/03/2017 8:00 PM	9 Hours, 0 Minutes	Southern Company	SERC	Alabama, Georgia	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	290	86330
2017	4	04/06/2017 7:00 PM	. .	. Hours, . Minutes	Pacific Gas & Electric Co	WECC	California	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	100000
2017	4	04/07/2017 4:33 AM	04/07/2017 8:20 AM	3 Hours, 47 Minutes	Pacificorp	WECC	Oregon	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	100	64852
2017	4	04/07/2017 8:15 AM	04/08/2017 12:14 AM	15 Hours, 59 Minutes	Portland General Electric Co	WECC	Oregon: Multnomah County, Washington County, Marion County, Clackamas County	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	153867
2017	4	04/24/2017 5:32 AM	04/24/2017 6:33 AM	1 Hours, 1 Minutes	Duke Energy Carolinas	SERC	North Carolina: Mecklenburg County	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	240	74698
2017	4	04/30/2017 1:00 AM	04/30/2017 5:45 PM	16 Hours, 45 Minutes	Entergy Corp	SERC	Arkansas, Louisiana, Mississippi	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	145174
2017	5	05/01/2017 11:14 PM	05/01/2017 11:34 PM	0 Hours, 20 Minutes	Pennsylvania Electric Co	RFC	Ohio	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	92390
2017	5	05/03/2017 6:58 PM	05/03/2017 9:15 PM	2 Hours, 17 Minutes	Southern California Edison Co	WECC	California	Load shedding of 100 Megawatts or more implemented under emergency operational policy-Generation Inadequacy	572	0
2017	5	05/03/2017 7:05 PM	05/03/2017 9:00 PM	1 Hours, 55 Minutes	California ISO	WECC	California	Load shedding of 100 Megawatts or more implemented under emergency operational policy-Generation Inadequacy	878	Unknown
2017	5	05/04/2017 5:00 AM	05/04/2017 10:00 PM	17 Hours, 0 Minutes	Southern Company	SERC	Alabama: Georgia	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	200	60377
2017	5	05/07/2017 5:15 AM	. .	. Hours, . Minutes	California Department of Water Resources	WECC	California: Fresno County	Fuel supply emergencies that could impact electric power system adequacy or reliability-Fuel Supply Deficiency	0	0
2017	5	05/07/2017 11:30 PM	05/08/2017 5:00 AM	5 Hours, 30 Minutes	Owensboro Municipal Utilities	SERC	Kentucky: Daviess County	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system-Generation Inadequacy	80	0
2017	5	05/19/2017 5:30 AM	. .	. Hours, . Minutes	Ameren Missouri	SERC	Missouri: St. Louis County	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	70696
2017	5	05/27/2017 11:00 PM	. .	. Hours, . Minutes	Tennessee Valley Authority	SERC	Tennessee: Shelby County, Putnam County, Knox County, Davidson County, Hamilton County; Alabama: Madison County	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	116000
2017	5	05/27/2017 11:10 PM	. .	. Hours, . Minutes	Memphis Light Gas and Water Division	SERC	Tennessee: Shelby County	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	391	188000
2017	5	05/28/2017 7:30 PM	05/29/2017 10:00 PM	26 Hours, 30 Minutes	American Electric Power - (SPP Reliability Region)	TRE	Texas: Louisiana	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	103000
2017	5	05/28/2017 7:30 PM	05/29/2017 10:00 PM	26 Hours, 30 Minutes	Southwest Power Pool, Inc.	SERC	Louisiana: Texas	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	103000
2017	6	06/11/2017 2:39 PM	06/11/2017 5:55 PM	3 Hours, 16 Minutes	MISO	RFC	Michigan	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system-Transmission Interruption	63	Unknown
2017	7	07/07/2017 3:30 AM	07/08/2017 7:30 PM	40 Hours, 0 Minutes	Consumers Energy Co	RFC	Michigan: Kent County, Ottawa County, Muskegon County, Barry County, Oceana County, Eaton County	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	160000
2017	7	07/08/2017 6:52 PM	07/09/2017 8:00 AM	13 Hours, 8 Minutes	Los Angeles Department of Water & Power	WECC	California: Los Angeles County	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident-Transmission Interruption	645	176867
2017	7	07/18/2017 4:23 PM	07/18/2017 6:39 PM	2 Hours, 16 Minutes	Western Area Power Administration - Western Area Lower Colorado	WECC	Nevada	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident-Severe Weather	0	0
2017	7	07/22/2017 10:00 PM	. .	. Hours, . Minutes	Southwest Power Pool, Inc.	SERC	Missouri	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	131000
2017	7	07/22/2017 10:00 PM	. .	. Hours, . Minutes	KCP&L Greater Missouri Operations Company	SERC	Missouri	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	115000
2017	7	07/22/2017 10:00 PM	07/23/2017 12:00 PM	14 Hours, 0 Minutes	Kansas City Power & Light Co	SERC	Missouri: Clay County, Jackson County, Lafayette County, Platte County; Kansas: Johnson County, Miami County, Wyandotte County	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	112540
2017	7	07/23/2017 4:00 AM	. .	. Hours, . Minutes	Ameren Missouri	SERC	Missouri: Illinois	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	82000
2017	7	07/27/2017 6:00 AM	07/27/2017 11:29 AM	5 Hours, 29 Minutes	California Department of Water Resources	WECC	California: Butte County	Fuel supply emergencies that could impact electric power system adequacy or reliability-Fuel Supply Deficiency	0	0

Table B.2 Major Disturbances and Unusual Occurrences, 2017

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
2017	8	08/21/2017 11:41 PM	08/22/2017 12:21 AM	0 Hours, 40 Minutes	Pacific Gas & Electric Co	WECC	California: Plumas County	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system-System Operations	1	2
2017	8	08/25/2017 6:17 PM	09/02/2017 5:00 PM	190 Hours, 43 Minutes	American Electric Power - Texas	TRE	Texas: Matagorda County, Nueces County, Aransas County, Refugio County, San Patricio County, Calhoun County, Victoria County, Jackson County, Live Oak County, Jim Wells County, Bee County, Lavaca County	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	220400
2017	8	08/25/2017 6:30 PM	09/05/2017 5:00 PM	262 Hours, 30 Minutes	ERCOT	TRE	Texas	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	330000
2017	8	08/26/2017 12:39 AM	08/26/2017 12:52 AM	0 Hours, 13 Minutes	ERCOT	TRE	Texas	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system-Severe Weather	Unknown	Unknown
2017	8	08/26/2017 6:26 AM	09/08/2017 12:00 AM	305 Hours, 34 Minutes	CenterPoint Energy	TRE	Texas	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	1076868
2017	8	08/27/2017 5:10 AM	09/08/2017 12:00 AM	282 Hours, 50 Minutes	CenterPoint Energy	TRE	Texas: Harris County	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	1076868
2017	8	08/30/2017 2:15 AM	. .	. Hours, . Minutes	Entergy Corp	TRE	Texas	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	78500
2017	8	08/31/2017 2:49 PM	08/31/2017 5:14 PM	2 Hours, 25 Minutes	Southern California Edison Co	WECC	California: Los Angeles County	Load shedding of 100 Megawatts or more implemented under emergency operational policy-Severe Weather	100	0
2017	9	09/01/2017 3:41 PM	09/01/2017 8:30 PM	4 Hours, 49 Minutes	Southern California Edison Co	WECC	California:	Load shedding of 100 Megawatts or more implemented under emergency operational policy-Severe Weather	337	0
2017	9	09/09/2017 12:00 AM	. .	. Hours, . Minutes	Tampa Electric Company	FRCC	Florida: Hillsborough County, Pasco County, Polk County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	1275	425000
2017	9	09/09/2017 12:30 PM	. .	. Hours, . Minutes	Florida Power & Light	FRCC	Florida:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	3500000
2017	9	09/10/2017 6:35 PM	09/13/2017 5:00 PM	70 Hours, 25 Minutes	Duke Energy Florida	FRCC	Florida: Alachua County, Bay County, Brevard County, Citrus County, Columbia County, Dixie County, Flagler County, Franklin County, Gilchrist County, Gulf County, Hamilton County, Hardee County, Hernando County, Highlands County, Jefferson County, Lafayette County, Lake County, Leon County, Levy County, Madison County, Marion County, Orange County, Osceola County, Pasco County, Pinellas County, Po	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	4500	1000000
2017	9	09/10/2017 8:37 PM	. .	. Hours, . Minutes	Seminole Electric Cooperative Inc	FRCC	Florida:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	452555
2017	9	09/11/2017 12:30 AM	. .	. Hours, . Minutes	Lakeland Electric	FRCC	Florida:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	200	20000
2017	9	09/11/2017 2:27 AM	09/15/2017 8:44 PM	114 Hours, 17 Minutes	Southern Company	SERC	Georgia:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	132	39659
2017	9	09/11/2017 12:55 PM	09/12/2017 8:00 AM	19 Hours, 5 Minutes	South Carolina Electric and Gas	SERC	South Carolina:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	687	154832
2017	9	09/11/2017 5:30 PM	09/13/2017 9:30 AM	40 Hours, 0 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	365	265729
2017	10	10/08/2017 3:00 AM	. .	. Hours, . Minutes	Southern Company	SERC	Alabama: Florida: Mississippi:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	306	91945
2017	10	10/09/2017 2:03 AM	10/17/2017 1:30 PM	203 Hours, 27 Minutes	Pacific Gas & Electric Co	WECC	California:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather/Transmission Interruption	177	117900
2017	10	10/09/2017 6:44 AM	. .	. Hours, . Minutes	Pacific Gas & Electric Co	WECC	California:	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system-Severe Weather	100	Unknown
2017	10	10/12/2017 9:09 AM	. .	. Hours, . Minutes	Clarksdale Public Utilities	SERC	Mississippi: Coahoma County;	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system-System Operations	Unknown	Unknown
2017	10	10/16/2017 3:45 PM	10/16/2017 4:09 PM	0 Hours, 24 Minutes	Bonneville Power Administration	WECC	Washington: Montana:	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system-Transmission Interruption	0	0

Table B.2 Major Disturbances and Unusual Occurrences, 2017

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
2017	10	10/16/2017 3:55 PM	10/16/2017 4:10 PM	0 Hours, 15 Minutes	Peak Reliability	WECC	Washington:	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system-Transmission Interruption	0	0
2017	10	10/20/2017 3:44 AM	10/20/2017 3:45 AM	0 Hours, 1 Minutes	Peak Reliability	WECC	Washington:	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident-Severe Weather	900	Unknown
2017	10	10/22/2017 8:45 AM	10/22/2017 2:00 PM	5 Hours, 15 Minutes	Entergy Corp	SERC	Louisiana: Mississippi: Arkansas: Texas:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	Unknown
2017	10	10/23/2017 5:50 PM	10/24/2017 6:17 PM	24 Hours, 27 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	440	115144
2017	10	10/26/2017 8:17 AM	10/26/2017 8:41 AM	0 Hours, 24 Minutes	Peak Reliability	WECC	Washington: Clark County;	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system-Transmission Interruption	0	0
2017	10	10/26/2017 8:17 AM	10/26/2017 8:41 AM	0 Hours, 24 Minutes	Bonneville Power Administration	WECC	Washington: Whatcom County; Montana:	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system-Transmission Interruption	0	0
2017	10	10/29/2017 11:40 PM	11/01/2017 6:08 PM	66 Hours, 28 Minutes	ISO New England	NPCC	Connecticut: Massachusetts: New Hampshire: Maine: Rhode Island: Vermont:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	310453
2017	11	11/01/2017 3:40 PM	11/01/2017 10:00 PM	6 Hours, 20 Minutes	Owensboro Municipal Utilities	SERC	Kentucky: Daviess County;	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the electric power system-Generation Inadequacy	0	0
2017	11	11/05/2017 7:35 PM	11/05/2017 11:09 PM	3 Hours, 34 Minutes	Ohio Edison Co	RF	Ohio:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	89216
2017	11	11/13/2017 2:00 AM	11/15/2017 8:17 AM	54 Hours, 17 Minutes	Puget Sound Energy	WECC	Washington: Island County, King County, Kitsap County, Thurston County, Skagit County, Whatcom County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	236100
2017	11	11/13/2017 4:33 PM	11/16/2017 6:00 AM	61 Hours, 27 Minutes	Seattle City Light, Sytem Control Center	WECC	Washington: King County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	85	68430
2017	12	12/04/2017 9:53 PM	. .	. Hours, . Minutes	Southern California Edison Co	WECC	California:	Uncontrolled loss of 300 Megawatts or more of firm system loads for more than 15 minutes from a single incident-Severe Weather/Transmission Interruption	540	263000
2017	12	12/05/2017 6:30 AM	12/06/2017 10:00 AM	27 Hours, 30 Minutes	Consumers Energy Co	RF	Michigan: Oscoda County, Isabella County, Roscommon County, Ogemaw County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	117500
2017	12	12/07/2017 8:00 PM	12/08/2017 5:00 PM	21 Hours, 0 Minutes	CPS Energy	TRE	Texas: Bexar County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	88000
2017	12	12/08/2017 9:30 AM	12/08/2017 10:30 PM	13 Hours, 0 Minutes	Entergy Corp	SERC	Louisiana: Mississippi:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	79000
2017	12	12/08/2017 10:00 AM	12/10/2017 8:50 PM	58 Hours, 50 Minutes	Southern Company	SERC	Alabama: Georgia: Mississippi:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	865	301872
2017	12	12/10/2017 1:25 AM	12/10/2017 2:30 AM	1 Hours, 5 Minutes	Southern California Edison Co	WECC	California: Ventura County, Santa Barbara County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather/Transmission Interruption	110	51323
2017	12	12/13/2017 9:55 AM	12/13/2017 2:45 PM	4 Hours, 50 Minutes	Long Island Power Authority	NPCC	New York: Suffolk County;	Fuel supply emergencies that could impact electric power system adequacy or reliability-Fuel Supply Deficiency	0	0
2017	12	12/29/2017 7:00 AM	. .	. Hours, . Minutes	Upstate New York Power Producers	NPCC	New York: Tompkins County;	Fuel supply emergencies that could impact electric power system adequacy or reliability-Fuel Supply Deficiency	210	Unknown

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

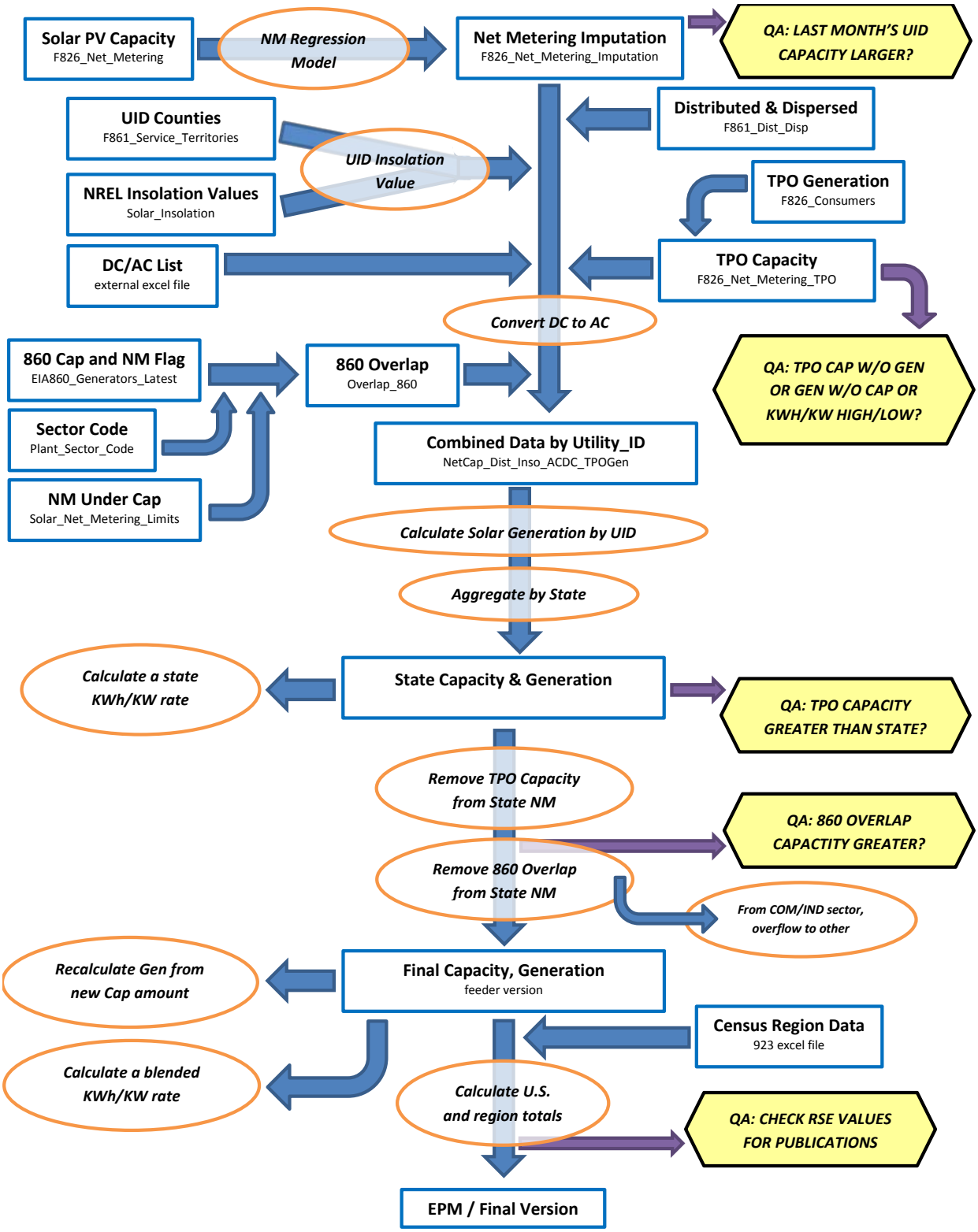
TMY3 (1991-2005) Weather Stations by MSA

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 2018

Census Division and State	Coal (Million Btu per Ton)	Petroleum Liquids (Million Btu per Barrel)	Petroleum Coke (Million Btu per Ton)	Natural Gas (Million Btu per Thousand Cubic Feet)
New England	25.40	6.13	--	1.03
Connecticut	--	5.80	--	1.03
Maine	25.40	6.25	--	1.03
Massachusetts	--	6.14	--	1.04
New Hampshire	--	5.70	--	1.03
Rhode Island	--	--	--	1.03
Vermont	--	--	--	--
Middle Atlantic	22.27	6.12	--	1.03
New Jersey	26.53	5.54	--	1.03
New York	25.26	6.20	--	1.03
Pennsylvania	22.01	5.83	--	1.03
East North Central	20.01	5.80	27.17	1.05
Illinois	17.75	5.81	--	1.00
Indiana	22.31	5.76	--	1.05
Michigan	18.76	5.84	27.28	1.05
Ohio	24.29	5.79	--	1.06
Wisconsin	17.64	5.83	26.22	1.03
West North Central	16.55	5.79	--	1.05
Iowa	17.51	5.71	--	1.06
Kansas	17.13	5.80	--	1.04
Minnesota	17.77	5.79	--	1.06
Missouri	17.68	5.78	--	1.03
Nebraska	16.88	--	--	1.05
North Dakota	13.22	5.96	--	0.98
South Dakota	16.52	--	--	--
South Atlantic	23.52	5.84	28.09	1.03
Delaware	--	5.85	--	1.04
District of Columbia	--	--	--	--
Florida	23.86	5.79	28.09	1.02
Georgia	19.93	5.84	--	1.03
Maryland	24.55	5.81	--	1.01
North Carolina	24.88	5.86	--	1.03
South Carolina	24.53	5.95	--	1.03
Virginia	22.44	5.85	--	1.04
West Virginia	24.68	5.76	--	1.09
East South Central	20.70	5.78	--	1.02
Alabama	19.86	5.80	--	1.03
Kentucky	21.78	5.78	--	1.03
Mississippi	13.79	5.80	--	1.02
Tennessee	22.75	5.77	--	1.01
West South Central	16.31	5.88	28.49	1.03
Arkansas	17.47	5.90	--	1.03
Louisiana	17.30	5.90	28.49	1.03
Oklahoma	17.11	5.80	--	1.04
Texas	15.71	5.86	--	1.03
Mountain	18.64	5.73	--	1.05
Arizona	19.54	5.66	--	1.04
Colorado	18.28	5.67	--	1.09
Idaho	--	--	--	1.00
Montana	16.74	5.92	--	1.04
Nevada	18.00	5.65	--	1.04
New Mexico	19.40	5.66	--	1.04
Utah	21.27	5.77	--	1.04
Wyoming	17.60	5.79	--	1.05
Pacific Contiguous	17.72	--	--	1.03
California	22.81	--	--	1.03
Oregon	--	--	--	1.05
Washington	17.10	--	--	1.09
Pacific Noncontiguous	18.37	6.20	--	1.00
Alaska	14.13	--	--	1.00
Hawaii	19.48	6.20	--	--
U.S. Total	19.04	6.08	28.06	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, 2014 through 2016

	Mean Absolute Value of Percent Change Total (All Sectors)		
Item	**2014**	**2015**	**2016**
Net Generation			
Coal	0.25%	0.33%	0.09%
Petroleum Liquids	2.32%	1.00%	3.08%
Petroleum Coke	2.96%	1.60%	1.46%
Natural Gas	0.42%	0.18%	0.30%
Other Gases	4.12%	3.90%	3.76%
Hydroelectric	0.49%	1.08%	0.76%
Nuclear	0.01%	0.01%	0.05%
Other	0.43%	0.80%	0.76%
Total	**0.08%**	**0.23%**	**0.08%**
Consumption of Fossil Fuels for Electricity Generation			
Coal	0.13%	0.24%	0.11%
Petroleum Liquids	2.17%	2.28%	5.81%
Petroleum Coke	3.19%	1.50%	0.87%
Natural Gas	0.48%	0.32%	2.26%
Fuel Stocks for Electric Power Sector			
Coal	0.38%	0.40%	0.72%
Petroleum Liquids	4.25%	2.92%	3.19%
Petroleum Coke	0.61%	0.04%	0.27%
Retail Sales			
Residential	0.30%	0.30%	0.26%
Commercial	0.38%	0.18%	0.55%
Industrial	4.39%	2.92%	4.31%
Transportation	0.44%	0.37%	0.06%
Total	**1.10%**	**0.93%**	**1.40%**
Revenue			
Residential	0.43%	0.15%	0.28%
Commercial	0.47%	0.62%	1.21%
Industrial	5.66%	3.15%	4.54%
Transportation	1.92%	1.09%	1.53%
Total	**1.01%**	**0.83%**	**1.34%**
Average Retail Price			
Residential	0.12%	0.15%	0.05%
Commercial	0.20%	0.44%	0.65%
Industrial	1.20%	0.31%	0.24%
Transportation	2.18%	0.83%	1.57%
Total	**0.16%**	**0.11%**	**0.10%**
Receipt of Fossil Fuels			
Coal	2.20%	1.70%	1.92%
Petroleum Liquids	0.49%	1.86%	1.16%
Petroleum Coke	2.03%	2.47%	0.01%
Natural Gas	0.26%	0.25%	0.21%
Cost of Fossil Fuels			
Coal	0.18%	0.04%	0.12%
Petroleum Liquids	0.04%	0.25%	0.26%
Petroleum Coke	1.03%	1.42%	0.12%
Natural Gas	0.06%	0.14%	0.12%

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, 2014 through 2016

	2014			2015			2016		
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	1,585,697	1,581,710	-0.25%	1,356,057	1,352,398	-0.27%	1,240,108	1,239,149	-0.08%
Petroleum Liquids	18,708	18,276	-2.31%	17,456	17,372	-0.48%	12,675	13,008	2.63%
Petroleum Coke	11,781	11,955	1.48%	10,987	10,877	-1.00%	11,232	11,197	-0.31%
Natural Gas	1,121,928	1,126,609	0.42%	1,335,068	1,333,482	-0.12%	1,380,295	1,378,307	-0.14%
Other Gases	11,578	12,022	3.83%	12,963	13,117	1.18%	13,000	12,807	-1.48%
Hydroelectric	252,540	253,193	0.26%	246,075	243,989	-0.85%	259,143	261,126	0.77%
Nuclear	797,067	797,166	0.01%	797,178	797,178	0.00%	805,327	805,694	0.05%
Other	293,636	292,674	-0.33%	311,597	309,189	-0.77%	357,299	355,387	-0.54%
Total	**4,092,935**	**4,093,606**	**0.02%**	**4,087,381**	**4,077,601**	**-0.24%**	**4,079,079**	**4,076,675**	**-0.06%**
Consumption of Fossil Fuels for Electricity Generation									
Coal (1,000 tons)	854,416	853,634	-0.09%	740,855	739,594	-0.17%	678,005	677,371	-0.09%
Petroleum Liquids (1,000 barrels)	32,084	31,531	-1.72%	29,545	28,925	-2.10%	21,225	22,405	5.56%
Petroleum Coke (1,000 tons)	4,325	4,412	2.02%	4,088	4,044	-1.07%	4,275	4,253	-0.52%
Natural Gas (1,000 Mcf)	8,502,964	8,544,387	0.49%	10,048,346	10,016,576	-0.32%	10,400,189	10,170,110	-2.21%
Fuel Stocks for Electric Power Sector									
Coal (1,000 tons)	151,362	151,548	0.12%	197,128	195,548	-0.80%	163,946	162,009	-1.18%
Petroleum Liquids (1,000 barrels)	32,139	33,505	4.25%	32,223	32,884	2.05%	30,880	31,839	3.11%
Petroleum Coke (1,000 tons)	847	827	-2.29%	1,342	1,340	-0.15%	872	845	-3.10%
Retail Sales (Million kWh)									
Residential	1,402,911	1,407,208	0.31%	1,399,884	1,404,096	0.30%	1,407,394	1,411,058	0.26%
Commercial	1,357,505	1,352,158	-0.39%	1,358,419	1,360,752	0.17%	1,359,617	1,367,191	0.56%
Industrial	955,488	997,576	4.40%	958,563	986,508	2.92%	936,269	976,715	4.32%
Transportation	7,776	7,758	-0.24%	7,659	7,637	-0.29%	7,499	7,497	-0.03%
Total	**3,723,681**	**3,764,700**	**1.10%**	**3,724,525**	**3,758,992**	**0.93%**	**3,710,779**	**3,762,462**	**1.39%**
Revenue (Million Dollars)									
Residential	175,404	176,178	0.44%	177,367	177,624	0.14%	176,585	177,077	0.28%
Commercial	145,889	145,253	-0.44%	143,893	144,781	0.62%	140,937	142,643	1.21%
Industrial	67,019	70,855	5.72%	66,088	68,166	3.14%	63,201	66,068	4.54%
Transportation	798	810	1.51%	779	771	-1.12%	711	722	1.53%
Total	**389,111**	**393,096**	**1.02%**	**388,127**	**391,341**	**0.83%**	**381,435**	**386,509**	**1.33%**
Average Retail Price (Cents/kWh)									
Residential	12.50	12.52	0.13%	12.67	12.65	-0.16%	12.55	12.55	0.02%
Commercial	10.75	10.74	-0.04%	10.59	10.64	0.44%	10.37	10.43	0.65%
Industrial	7.01	7.10	1.26%	6.89	6.91	0.22%	6.75	6.76	0.21%
Transportation	10.27	10.45	1.75%	10.17	10.09	-0.83%	9.48	9.63	1.55%
Total	**10.45**	**10.44**	**-0.08%**	**10.42**	**10.41**	**-0.10%**	**10.28**	**10.27**	**-0.06%**
Receipt of Fossil Fuels									
Coal (1,000 tons)	836,196	854,560	2.20%	769,866	782,929	1.70%	638,564	650,770	1.91%
Petroleum Liquids (1,000 barrels)	28,355	28,514	0.56%	24,512	24,320	-0.78%	16,610	16,807	1.18%
Petroleum Coke (1,000 tons)	5,091	5,195	2.03%	4,779	4,897	2.46%	4,166	4,166	0.01%
Natural Gas (1,000 Mcf)	8,423,883	8,431,423	0.09%	9,843,170	9,842,581	-0.01%	10,258,688	10,271,180	0.12%
Cost of Fossil Fuels (Dollars per Million Btu)									
Coal (1,000 tons)	2.37	2.37	0.02%	2.22	2.22	-0.03%	2.12	2.11	-0.15%
Petroleum Liquids (1,000 barrels)	19.89	19.89	-0.03%	11.48	11.49	0.10%	9.36	9.39	0.28%
Petroleum Coke (1,000 tons)	1.96	1.98	0.97%	1.87	1.84	-1.37%	1.65	1.65	0.15%
Natural Gas (1,000 Mcf)	4.99	4.99	0.01%	3.22	3.23	0.18%	2.88	2.87	-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-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 2016 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.