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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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Executive Summary

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Net Generation and Consumption of Fuels for February														
		Total (All Sectors)			Electric Power Sector				Commercial		Industrial		Residential	
					Electric Utilities		Independent Power Producers							
Fuel	Facility Type	February 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
Net Generation (Thousand Megawatthours)														
Coal	Utility Scale Facilities	56,057	80,104	-30.0%	41,594	59,589	13,937	19,948	28	28	497	539	0	0
Petroleum Liquids	Utility Scale Facilities	750	806	-6.9%	589	561	122	197	5	8	33	40	0	0
Petroleum Coke	Utility Scale Facilities	466	747	-37.6%	380	564	40	139	1	1	NM	42	0	0
Natural Gas	Utility Scale Facilities	126,024	111,005	13.5%	63,018	54,489	54,135	48,354	676	670	8,195	7,492	0	0
Other Gas	Utility Scale Facilities	1,234	1,110	11.1%	8	22	389	355	0	0	836	734	0	0
Nuclear	Utility Scale Facilities	65,950	64,715	1.9%	36,079	34,243	29,871	30,472	0	0	0	0	0	0
Hydroelectric Conventional	Utility Scale Facilities	25,077	21,826	14.9%	22,902	19,786	2,058	1,936	NM	NM	97	87	0	0
Renewable Sources Excluding Hydroelectric	Utility Scale Facilities	40,658	32,754	24.1%	5,605	4,022	32,573	26,305	265	259	2,215	2,168	0	0
... Wind	Utility Scale Facilities	29,235	23,000	27.1%	4,622	3,194	24,586	19,783	16	15	10	NM	0	0
... Solar Thermal and Photovoltaic	Utility Scale Facilities	5,652	3,827	47.7%	606	386	5,000	3,405	41	32	5	4	0	0
... Wood and Wood-Derived Fuels	Utility Scale Facilities	3,154	3,165	-0.3%	227	278	795	791	6	9	2,126	2,086	0	0
... Other Biomass	Utility Scale Facilities	1,461	1,454	0.5%	82	85	1,146	1,137	160	163	73	69	0	0
... Geothermal	Utility Scale Facilities	1,156	1,308	-11.6%	68	78	1,046	1,189	42	41	0	0	0	0
Hydroelectric Pumped Storage	Utility Scale Facilities	-247	-389	-36.5%	-182	-310	-65	-79	0	0	0	0	0	0
Other Energy Sources	Utility Scale Facilities	966	1,002	-3.6%	41	33	547	547	79	80	298	343	0	0
All Energy Sources	Utility Scale Facilities	316,933	313,680	1.0%	170,033	172,999	133,608	128,174	1,075	1,064	12,218	11,443	0	0
Estimated Small Scale Solar Photovoltaic	Small Scale Facilities	2,609	2,062	26.6%	0	0	0	0	830	680	213	178	1,566	1,204
Estimated Total Solar Photovoltaic	All Facilities	8,067	5,757	40.1%	604	383	4,808	3,277	871	711	218	182	1,566	1,204
Estimated Total Solar	All Facilities	8,261	5,888	40.3%	606	386	5,000	3,405	871	711	218	182	1,566	1,204
Consumption of Fossil Fuels for Electricity Generation														
Coal (1000 tons)	Utility Scale Facilities	31,855	45,056	-29.3%	23,478	33,365	8,189	11,484	9	8	179	198	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	1,396	1,411	-1.1%	1,115	1,013	233	343	12	13	35	41	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	174	283	-38.6%	147	222	14	50	0	0	13	11	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	902,594	793,583	13.7%	471,058	406,415	379,128	338,912	4,138	4,129	48,271	44,128	0	0
Consumption of Fossil Fuels for Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	1,002	1,139	-12.0%	150	201	51	91	40	44	761	802	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	128	186	-31.4%	4	8	11	21	17	27	96	130	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	48	65	-26.2%	1	1	9	8	1	1	36	55	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	103,523	100,217	3.3%	3,835	3,790	28,827	27,223	6,849	6,884	64,012	62,320	0	0
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	32,857	46,195	-28.9%	23,628	33,567	8,240	11,575	48	52	940	1,000	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	1,524	1,597	-4.6%	1,119	1,021	244	365	29	40	132	171	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	222	348	-36.3%	148	224	23	58	1	1	50	66	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	1,006,117	893,800	12.6%	474,894	410,205	407,955	366,134	10,987	11,013	112,283	106,448	0	0
Fuel Stocks (end-of-month)														
Coal (1000 tons)	Utility Scale Facilities	140,846	99,435	41.6%	113,146	81,339	27,117	17,497	56	59	528	541	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	27,858	28,888	-3.6%	17,374	17,954	8,895	9,347	376	404	1,214	1,183	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	761	670	13.7%	599	495	16	11	2	3	145	161	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 2020	February 2019	Percentage Change	February 2020	February 2019	Percentage Change	February 2020	February 2019	Percentage Change
Residential	111,963	116,249	-3.7%	14,384	14,803	-2.8%	12.85	12.73	0.9%
Commercial	102,038	101,547	0.5%	10,572	10,701	-1.2%	10.36	10.54	-1.7%
Industrial	75,626	72,568	4.2%	4,855	4,852	0.1%	6.42	6.69	-4.0%
Transportation	621	702	-11.5%	58	72	-19.0%	9.42	10.29	-8.5%
All Sectors	290,248	291,066	-0.3%	29,869	30,428	-1.8%	10.29	10.45	-1.5%

NM = Not meaningful due to large relative standard error.
W = Withheld to avoid disclosure of individual company data.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Coal generation and consumption includes anthracite, bituminous, subbituminous, lignite, waste coal, refined coal, synthetic coal, and coal-derived synthesis gas.
Petroleum Liquids includes distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.
Petroleum Coke includes petroleum coke and synthesis gas derived from petroleum coke.
Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.
Other Gases includes blast furnace gas and other manufactured and waste gases derived from fossil fuels.
Wood and Wood-Derived Fuels include wood, black liquor, and other wood waste.
Other Biomass includes biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts, and other biomass.
Coal stocks include anthracite, bituminous, subbituminous, lignite, refined coal, and synthetic coal; waste coal is excluded.
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 2020 and 2019

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 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
Net Generation (Thousand Megawatthours)														
Coal	Utility Scale Facilities	121,227	181,112	-33.1%	90,031	134,585	30,110	45,320	50	61	1,035	1,146	0	0
Petroleum Liquids	Utility Scale Facilities	1,683	2,164	-22.2%	1,346	1,416	256	643	15	21	67	84	0	0
Petroleum Coke	Utility Scale Facilities	1,152	1,586	-27.4%	873	1,198	180	292	2	2	97	94	0	0
Natural Gas	Utility Scale Facilities	259,004	230,311	12.5%	127,621	111,768	112,703	100,986	1,429	1,389	17,251	16,169	0	0
Other Gas	Utility Scale Facilities	2,444	2,225	9.9%	8	34	776	723	0	0	1,660	1,467	0	0
Nuclear	Utility Scale Facilities	140,154	138,416	1.3%	76,800	74,049	63,354	64,367	0	0	0	0	0	0
Hydroelectric Conventional	Utility Scale Facilities	49,363	46,036	7.2%	44,972	41,598	4,156	4,213	38	37	198	189	0	0
Renewable Sources Excluding Hydroelectric	Utility Scale Facilities	79,828	68,098	17.2%	10,586	8,600	64,121	54,406	528	547	4,594	4,546	0	0
... Wind	Utility Scale Facilities	57,638	48,122	19.8%	8,676	6,901	48,910	41,172	33	32	20	17	0	0
... Solar Thermal and Photovoltaic	Utility Scale Facilities	10,207	7,482	36.4%	1,137	755	8,985	6,655	75	64	10	8	0	0
... Wood and Wood-Derived Fuels	Utility Scale Facilities	6,503	6,698	-2.9%	471	599	1,607	1,704	14	17	4,411	4,379	0	0
... Other Biomass	Utility Scale Facilities	3,070	3,066	0.1%	169	180	2,418	2,394	329	351	153	142	0	0
... Geothermal	Utility Scale Facilities	2,411	2,730	-11.7%	132	166	2,201	2,481	78	83	0	0	0	0
Hydroelectric Pumped Storage	Utility Scale Facilities	-653	-712	-8.3%	-536	-557	-116	-154	0	0	0	0	0	0
Other Energy Sources	Utility Scale Facilities	2,050	2,197	-6.7%	83	75	1,158	1,176	169	174	640	771	0	0
All Energy Sources	Utility Scale Facilities	656,254	671,434	-2.3%	351,784	372,766	276,696	271,970	2,232	2,231	25,542	24,466	0	0
Estimated Small Scale Solar Photovoltaic	Small Scale Facilities	4,902	3,967	23.6%	0	0	0	0	1,563	1,312	404	346	2,935	2,310
Estimated Total Solar Photovoltaic	All Facilities	14,800	11,207	32.1%	1,133	750	8,679	6,418	1,638	1,376	414	353	2,935	2,310
Estimated Total Solar	All Facilities	15,109	11,449	32.0%	1,137	755	8,985	6,655	1,638	1,376	414	353	2,935	2,310
Consumption of Fossil Fuels for Electricity Generation														
Coal (1000 tons)	Utility Scale Facilities	68,552	100,887	-32.1%	50,677	74,663	17,491	25,789	14	17	370	417	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	3,107	3,834	-19.0%	2,501	2,624	503	1,089	34	36	70	86	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	459	612	-25.0%	351	481	80	106	1	1	28	25	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	1,854,676	1,653,603	12.2%	955,459	838,473	789,303	711,374	8,747	8,646	101,167	95,109	0	0
Consumption of Fossil Fuels for Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	2,049	2,444	-16.1%	313	413	105	259	75	93	1,556	1,679	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	266	561	-52.6%	7	28	22	66	42	72	195	396	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	126	139	-9.1%	3	3	19	16	3	3	102	118	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	216,860	213,495	1.6%	7,918	7,783	59,879	59,246	14,323	14,523	134,741	131,944	0	0
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	70,601	103,330	-31.7%	50,990	75,077	17,595	26,048	89	110	1,926	2,095	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	3,373	4,395	-23.3%	2,508	2,651	525	1,155	75	108	264	481	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	585	751	-22.1%	353	483	98	122	4	3	130	142	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	2,071,536	1,867,098	10.9%	963,377	846,256	849,181	770,621	23,070	23,169	235,907	227,053	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 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	Percentage Change
Residential	235,693	249,260	-5.4%	30,208	31,406	-3.8%	12.82	12.60	1.7%
Commercial	209,752	212,980	-1.5%	21,641	22,179	-2.4%	10.32	10.41	-0.9%
Industrial	153,010	150,958	1.4%	9,757	10,007	-2.5%	6.38	6.63	-3.8%
Transportation	1,336	1,375	-2.9%	125	139	-9.6%	9.38	10.08	-6.9%
All Sectors	599,792	614,573	-2.4%	61,731	63,731	-3.1%	10.29	10.37	-0.8%

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

Table ES2.A. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, Physical Units, 2020 and 2019

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 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
Coal (1000 tons)	36,724	44,418	35.98	39.54	207	247	79,760	96,743	36.44	39.96
Petroleum Liquids (1000 barrels)	1,090	1,430	78.84	80.17	96	127	1,985	2,856	80.62	77.54
Petroleum Coke (1000 tons)	244	155	41.75	65.75	5	4	539	347	42.81	62.09
Natural Gas (1000 Mcf)	857,646	759,097	2.48	3.77	567	554	1,761,199	1,592,637	2.60	3.96

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
Coal (1000 tons)	27,042	32,866	36.81	40.93	147	170	58,668	71,079	37.27	41.31
Petroleum Liquids (1000 barrels)	937	1,082	77.92	79.70	69	78	1,681	2,090	79.67	77.94
Petroleum Coke (1000 tons)	244	155	41.75	65.75	5	4	539	347	42.81	62.09
Natural Gas (1000 Mcf)	422,625	364,901	2.74	3.94	294	286	854,017	759,189	2.86	4.14

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 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
Coal (1000 tons)	9,124	10,934	32.72	34.49	48	60	19,920	24,416	33.18	35.36
Petroleum Liquids (1000 barrels)	123	314	86.54	81.50	18	40	247	708	87.34	76.00
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	--	--
Natural Gas (1000 Mcf)	371,044	331,583	2.17	3.60	227	220	773,045	699,930	2.32	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 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
Coal (1000 tons)	3	2	67.58	65.51	1	1	4	3	67.52	65.67
Petroleum Liquids (1000 barrels)	0	0	--	--	0	0	0	0	--	--
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	--	--
Natural Gas (1000 Mcf)	663	745	3.26	3.50	3	3	1,426	1,496	3.24	3.51

Industrial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
Coal (1000 tons)	555	617	48.89	54.43	11	16	1,169	1,245	50.36	52.26
Petroleum Liquids (1000 barrels)	31	33	76.04	82.99	9	9	57	58	79.71	81.81
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	--	--
Natural Gas (1000 Mcf)	63,315	61,868	2.19	3.56	43	45	132,712	132,022	2.32	3.73

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, 2020 and 2019

Total (All Sectors)

	Receipts (Billion Btu)		Cost (Dollars / Million Btu)		Number of Plants		Year-to-Date Receipts (Billion Btu)		Year-to-Date Cost (Dollars / Million Btu)	
Fuel	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
Coal	692,242	847,217	1.91	2.07	207	247	1,508,116	1,850,183	1.93	2.09
Petroleum Liquids	6,581	8,708	13.06	13.16	96	127	11,921	17,320	13.42	12.78
Petroleum Coke	6,913	4,486	1.47	2.27	5	4	15,334	9,934	1.50	2.17
Natural Gas	887,032	786,847	2.40	3.64	567	554	1,822,209	1,647,991	2.51	3.83
Fossil Fuels	1,592,768	1,647,258	2.22	2.85	695	706	3,357,580	3,525,428	2.27	2.92

Electric Utilities

	Receipts (Billion Btu)		Cost (Dollars / Million Btu)		Number of Plants		Year-to-Date Receipts (Billion Btu)		Year-to-Date Cost (Dollars / Million Btu)	
Fuel	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
Coal	511,753	628,506	1.95	2.14	147	170	1,113,383	1,363,709	1.96	2.15
Petroleum Liquids	5,670	6,630	12.88	13.01	69	78	10,124	12,730	13.22	12.80
Petroleum Coke	6,913	4,486	1.47	2.27	5	4	15,334	9,934	1.50	2.17
Natural Gas	436,651	379,192	2.66	3.79	294	286	882,288	785,910	2.77	4.00
Fossil Fuels	960,987	1,018,813	2.33	2.82	386	389	2,021,129	2,172,282	2.37	2.88

Independent Power Producers

	Receipts (Billion Btu)		Cost (Dollars / Million Btu)		Number of Plants		Year-to-Date Receipts (Billion Btu)		Year-to-Date Cost (Dollars / Million Btu)	
Fuel	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
Coal	169,190	205,832	1.76	1.83	48	60	370,779	460,890	1.78	1.87
Petroleum Liquids	722	1,879	14.71	13.63	18	40	1,447	4,238	14.91	12.69
Petroleum Coke	0	0	--	--	0	0	0	0	--	--
Natural Gas	384,463	342,971	2.09	3.47	227	220	801,651	724,373	2.23	3.66
Fossil Fuels	554,375	550,683	2.00	2.83	261	267	1,173,878	1,189,501	2.09	2.92

Commercial Sector

	Receipts (Billion Btu)		Cost (Dollars / Million Btu)		Number of Plants		Year-to-Date Receipts (Billion Btu)		Year-to-Date Cost (Dollars / Million Btu)	
Fuel	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
Coal	58	37	2.96	2.90	1	1	84	65	2.96	2.90
Petroleum Liquids	0	0	--	--	0	0	0	0	--	--
Petroleum Coke	0	0	--	--	0	0	0	0	--	--
Natural Gas	693	772	3.12	3.37	3	3	1,487	1,550	3.10	3.38
Fossil Fuels	750	810	3.11	3.35	3	3	1,571	1,615	3.10	3.37

Industrial Sector

	Receipts (Billion Btu)		Cost (Dollars / Million Btu)		Number of Plants		Year-to-Date Receipts (Billion Btu)		Year-to-Date Cost (Dollars / Million Btu)	
Fuel	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
Coal	11,241	12,842	2.42	2.61	11	16	23,869	25,520	2.47	2.55
Petroleum Liquids	188	199	12.36	13.77	9	9	350	353	13.04	13.43
Petroleum Coke	0	0	--	--	0	0	0	0	--	--
Natural Gas	65,225	63,912	2.12	3.45	43	45	136,783	136,159	2.25	3.62
Fossil Fuels	76,655	76,953	2.19	3.34	45	47	161,002	162,031	2.30	3.47

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.

Chapter 1

Net Generation

Table 1.1. Net Generation by Energy Source: Total (All Sectors), 2010-February 2020
(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															
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	1,205,835	12,414	8,976	1,296,442	12,469	804,950	300,333	53,287	332,963	-6,495	13,096	4,034,271	23,990	74,008	77,277
2018	1,149,487	16,245	8,981	1,468,932	13,463	807,084	292,524	63,825	350,467	-5,905	12,973	4,178,077	29,539	89,773	93,365
2019	966,148	11,576	6,991	1,581,815	13,634	809,409	273,707	72,234	374,494	-5,261	13,302	4,118,051	35,041	104,057	107,275
Year 2018															
January	119,284	5,555	965	110,277	1,097	74,649	25,064	3,319	32,443	-547	1,109	373,214	1,619	4,810	4,938
February	82,050	804	754	98,498	1,092	64,790	24,902	3,896	29,415	-315	994	306,880	1,766	5,472	5,663
March	80,626	830	642	106,509	1,158	67,033	25,861	5,056	33,200	-490	1,108	321,532	2,434	7,233	7,490
April	73,346	872	666	98,360	1,099	59,133	28,115	6,057	32,446	-377	1,028	300,745	2,740	8,482	8,796
May	85,227	1,040	517	115,274	1,167	67,320	30,444	6,849	30,419	-390	1,070	338,938	3,011	9,430	9,860
June	101,503	1,066	834	130,813	1,091	69,688	27,597	7,415	31,193	-433	1,104	371,872	3,059	9,957	10,474
July	115,376	988	913	164,725	1,172	72,456	25,100	6,755	23,316	-644	1,111	411,266	3,146	9,521	9,901
August	115,129	1,047	879	161,654	1,301	72,282	22,017	6,695	26,601	-747	1,146	408,005	3,017	9,303	9,712
Sept	96,544	1,055	799	141,768	1,104	64,725	19,166	5,961	24,718	-603	1,004	356,240	2,674	8,205	8,635
October	87,264	1,015	562	123,122	1,016	59,397	19,548	4,970	27,426	-492	1,084	324,912	2,392	7,087	7,361
November	92,819	1,006	656	108,150	1,045	63,954	21,913	3,743	28,334	-343	1,075	322,351	1,905	5,480	5,648
December	100,319	966	795	109,784	1,120	71,657	22,797	3,110	30,956	-522	1,139	342,121	1,775	4,792	4,885
Year 2019															
January	101,008	1,358	840	119,307	1,115	73,701	24,210	3,655	31,689	-323	1,195	357,754	1,906	5,451	5,561
February	80,104	806	747	111,005	1,110	64,715	21,826	3,827	28,927	-389	1,002	313,680	2,062	5,757	5,888
March	78,516	823	639	112,945	1,251	65,080	25,546	5,910	32,399	-409	1,082	323,782	2,918	8,568	8,828
April	60,008	788	446	103,006	1,071	60,581	25,483	6,835	35,441	-103	1,020	294,577	3,253	9,764	10,089
May	71,883	943	747	116,236	1,101	67,124	30,061	7,191	32,227	-368	1,124	328,269	3,558	10,414	10,750
June	78,610	976	555	136,994	1,025	68,805	26,469	8,006	29,202	-385	1,107	351,363	3,615	11,181	11,620
July	100,981	1,029	746	174,341	1,290	72,199	23,730	8,169	28,592	-622	1,162	411,616	3,772	11,541	11,941
August	94,177	1,084	687	176,458	1,202	71,911	21,041	7,888	26,597	-579	1,199	401,665	3,623	11,098	11,510
Sept	85,918	942	638	150,753	1,139	66,064	16,324	6,752	30,558	-671	1,128	359,545	3,216	9,674	9,968
October	66,829	955	198	133,667	997	62,033	16,292	6,131	34,060	-373	1,087	321,875	2,840	8,673	8,971
November	75,560	911	339	117,762	1,196	64,125	20,520	4,377	31,319	-509	1,070	316,672	2,232	6,467	6,608
December	72,554	961	409	129,342	1,136	73,074	22,206	3,494	33,480	-529	1,126	337,253	2,046	5,471	5,541
Year 2020															
January	65,170	934	687	132,980	1,211	74,204	24,286	4,555	34,616	-406	1,084	339,320	2,293	6,733	6,848
February	56,057	750	466	126,024	1,234	65,950	25,077	5,652	35,006	-247	966	316,933	2,609	8,067	8,261
Year to Date															
2018	201,334	6,359	1,718	208,775	2,189	139,439	49,966	7,215	61,857	-862	2,104	680,094	3,386	10,282	10,601
2019	181,112	2,164	1,586	230,311	2,225	138,416	46,036	7,482	60,616	-712	2,197	671,434	3,967	11,207	11,449
2020	121,227	1,683	1,152	259,004	2,444	140,154	49,363	10,207	69,621	-653	2,050	656,254	4,902	14,800	15,109
Rolling 12 Months Ending in February															
2019	1,129,265	12,050	8,849	1,490,469	13,499	806,061	288,594	64,092	349,225	-5,754	13,066	4,169,417	30,121	90,698	94,213
2020	906,263	11,095	6,557	1,610,507	13,853	811,148	277,035	74,959	383,499	-5,202	13,155	4,102,870	35,976	107,650	110,934

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 2018 and prior years are final. Values for 2019 and 2020 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), 2010-February 2020
(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													
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	254,303	50,018	3,269	41,124	11,543	6,951	3,115	15,927	300,333	686,583	23,990	74,008	77,277
2018	272,667	60,234	3,592	40,936	11,036	7,136	2,724	15,967	292,524	706,816	29,539	89,773	93,365
2019	300,071	69,017	3,217	39,851	10,075	6,104	2,382	16,011	273,707	720,435	35,041	104,057	107,275
Year 2018													
January	25,599	3,191	128	3,686	964	588	265	1,341	25,064	60,826	1,619	4,810	4,938
February	23,189	3,705	191	3,235	906	559	251	1,274	24,902	58,213	1,766	5,472	5,663
March	26,464	4,799	258	3,547	972	597	253	1,367	25,861	64,117	2,434	7,233	7,490
April	26,431	5,743	314	3,102	920	566	239	1,188	28,115	66,618	2,740	8,482	8,796
May	23,953	6,419	430	3,352	930	573	228	1,383	30,444	67,712	3,011	9,430	9,860
June	24,703	6,898	517	3,471	889	629	202	1,300	27,597	66,206	3,059	9,957	10,474
July	16,447	6,374	380	3,749	909	638	202	1,370	25,100	55,170	3,146	9,521	9,901
August	19,846	6,286	409	3,630	919	630	208	1,367	22,017	55,313	3,017	9,303	9,712
Sept	18,520	5,531	430	3,281	836	562	192	1,328	19,166	49,844	2,674	8,205	8,635
October	21,194	4,695	275	3,216	918	594	231	1,273	19,548	51,944	2,392	7,087	7,361
November	22,016	3,575	168	3,264	920	584	220	1,331	21,913	53,990	1,905	5,480	5,648
December	24,306	3,018	92	3,404	951	616	233	1,446	22,797	56,863	1,775	4,792	4,885
Year 2019													
January	25,122	3,545	111	3,533	870	529	214	1,422	24,210	59,554	1,906	5,451	5,561
February	23,000	3,695	131	3,165	798	464	192	1,308	21,826	54,580	2,062	5,757	5,888
March	26,116	5,650	260	3,257	865	492	232	1,437	25,546	63,855	2,918	8,568	8,828
April	29,711	6,511	325	3,027	791	471	202	1,239	25,483	67,760	3,253	9,764	10,089
May	25,973	6,855	336	3,365	830	528	183	1,347	30,061	69,479	3,558	10,414	10,750
June	22,947	7,566	439	3,339	846	524	184	1,362	26,469	63,677	3,615	11,181	11,620
July	22,024	7,769	400	3,569	863	538	186	1,412	23,730	60,491	3,772	11,541	11,941
August	19,869	7,475	413	3,717	864	546	192	1,409	21,041	55,526	3,623	11,098	11,510
Sept	24,385	6,458	294	3,282	824	511	171	1,384	16,324	53,634	3,216	9,674	9,968
October	28,136	5,833	298	3,081	850	500	216	1,277	16,292	56,483	2,840	8,673	8,971
November	25,603	4,235	141	3,107	816	486	196	1,112	20,520	56,216	2,232	6,467	6,608
December	27,183	3,424	70	3,407	860	515	213	1,301	22,206	59,180	2,046	5,471	5,541
Year 2020													
January	28,403	4,439	115	3,349	875	521	213	1,255	24,286	63,457	2,293	6,733	6,848
February	29,235	5,458	194	3,154	802	464	195	1,156	25,077	65,734	2,609	8,067	8,261
Year to Date													
2018	48,788	6,896	319	6,921	1,870	1,147	516	2,615	49,966	119,039	3,386	10,282	10,601
2019	48,122	7,240	242	6,698	1,668	993	406	2,730	46,036	114,134	3,967	11,207	11,449
2020	57,638	9,898	309	6,503	1,676	985	408	2,411	49,363	129,191	4,902	14,800	15,109
Rolling 12 Months Ending in February													
2019	272,001	60,577	3,514	40,714	10,833	6,982	2,614	16,081	288,594	701,911	30,121	90,698	94,213
2020	309,587	71,674	3,285	39,655	10,084	6,097	2,384	15,692	277,035	735,493	35,976	107,650	110,934

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 2018 and prior years are final. Values for 2019 and 2020 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, 2010-February 2020
(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												
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	893,639	8,567	6,711	623,834	149	424,485	275,677	3,348	42,763	-5,448	553	2,274,279
2018	863,505	10,108	6,817	720,206	151	424,251	267,336	4,916	44,184	-4,785	561	2,337,250
2019	722,333	8,182	5,112	782,470	154	430,672	249,707	6,547	49,499	-4,261	491	2,250,906
Year 2018												
January	88,718	2,491	770	55,797	26	39,366	23,106	288	4,399	-475	41	214,525
February	61,138	617	575	48,715	17	33,941	22,864	314	3,853	-226	38	171,847
March	58,606	595	491	52,161	16	35,262	23,638	446	4,276	-408	48	175,132
April	55,281	632	477	48,151	28	30,580	25,598	480	4,120	-295	39	165,093
May	64,034	745	336	58,251	11	34,479	28,055	463	3,427	-309	45	189,538
June	77,899	756	670	66,774	13	36,437	25,778	503	3,691	-339	50	212,232
July	88,102	668	716	81,297	15	38,293	23,303	477	2,824	-522	55	235,229
August	87,359	711	686	78,025	24	38,885	20,050	476	3,122	-626	56	228,767
Sept	73,021	781	639	68,655	3	34,377	17,368	436	3,288	-500	47	198,116
October	64,902	751	378	59,071	0	31,364	17,571	418	3,447	-405	43	177,541
November	68,864	703	477	51,796	0	33,043	19,630	325	3,631	-254	50	178,265
December	75,578	657	601	51,512	0	38,223	20,373	290	4,105	-426	49	190,963
Year 2019												
January	74,996	855	634	57,279	12	39,806	21,811	369	4,209	-247	42	199,767
February	59,589	561	564	54,489	22	34,243	19,786	386	3,636	-310	33	172,999
March	56,546	597	464	54,667	31	34,213	23,153	577	4,437	-309	33	174,409
April	44,241	534	276	50,523	0	32,063	23,235	641	5,024	-26	37	156,547
May	55,081	671	552	58,730	0	35,416	27,682	661	4,199	-305	44	182,728
June	60,148	724	398	69,984	23	36,847	24,285	638	3,886	-299	41	196,676
July	77,053	715	551	87,423	18	39,023	21,637	655	3,625	-505	40	230,233
August	71,916	809	501	89,675	16	39,218	19,389	616	3,175	-470	51	224,895
Sept	64,867	693	460	75,933	10	34,770	14,984	616	4,111	-583	43	195,903
October	49,122	698	146	66,403	0	32,289	14,927	547	4,621	-316	43	168,480
November	55,304	632	251	56,310	19	32,923	18,763	454	4,149	-424	41	168,422
December	53,470	693	315	61,054	2	39,861	20,054	387	4,428	-465	44	179,844
Year 2020												
January	48,438	757	493	64,603	0	40,721	22,070	531	4,450	-354	42	181,751
February	41,594	589	380	63,018	8	36,079	22,902	606	4,999	-182	41	170,033
Year to Date												
2018	149,856	3,107	1,345	104,513	43	73,307	45,970	601	8,252	-701	79	386,372
2019	134,585	1,416	1,198	111,768	34	74,049	41,598	755	7,845	-557	75	372,766
2020	90,031	1,346	873	127,621	8	76,800	44,972	1,137	9,449	-536	83	351,784
Rolling 12 Months Ending in February												
2019	848,233	8,417	6,670	727,461	142	424,993	262,964	5,070	43,777	-4,642	558	2,323,643
2020	677,779	8,111	4,787	798,324	128	433,423	253,081	6,929	51,103	-4,240	499	2,229,923

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 2018 and prior years are final. Values for 2019 and 2020 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, 2010-February 2020
(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												
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	304,198	3,281	1,480	572,919	3,978	380,465	23,034	49,376	258,962	-1,047	6,527	1,603,174
2018	278,668	5,487	1,516	645,416	3,935	382,833	23,812	58,337	275,154	-1,119	6,677	1,680,717
2019	237,174	2,842	1,212	692,263	4,152	378,738	22,670	65,000	294,607	-1,000	7,217	1,704,875
Year 2018												
January	29,839	2,951	137	45,656	318	35,283	1,856	3,000	25,364	-72	575	144,908
February	20,261	133	126	41,972	320	30,849	1,929	3,549	23,179	-89	543	122,772
March	21,377	186	96	46,421	331	31,770	2,114	4,563	26,260	-82	564	133,600
April	17,506	199	137	42,453	326	28,553	2,392	5,522	25,872	-82	527	123,405
May	20,600	248	124	48,752	379	32,841	2,264	6,325	24,380	-81	526	136,356
June	22,994	268	100	55,384	303	33,251	1,724	6,845	24,920	-95	582	146,277
July	26,647	260	139	73,943	344	34,163	1,700	6,214	17,729	-123	586	161,601
August	27,157	292	139	74,104	369	33,398	1,858	6,158	20,775	-121	579	164,708
Sept	22,941	233	108	64,319	328	30,348	1,692	5,475	18,927	-103	515	144,783
October	21,834	218	126	55,441	255	28,033	1,855	4,508	21,450	-87	556	134,189
November	23,393	245	140	47,605	311	30,911	2,150	3,386	22,175	-88	551	130,779
December	24,120	254	144	49,366	350	33,434	2,277	2,792	24,124	-96	574	137,339
Year 2019												
January	25,372	446	153	52,632	368	33,895	2,277	3,249	24,851	-76	629	143,797
February	19,948	197	139	48,354	355	30,472	1,936	3,405	22,900	-79	547	128,174
March	21,413	180	131	49,673	350	30,867	2,272	5,275	25,371	-100	581	136,013
April	15,249	204	124	44,189	339	28,518	2,134	6,130	27,977	-78	553	125,339
May	16,283	230	143	49,034	338	31,708	2,252	6,462	25,563	-63	632	132,582
June	17,943	209	103	58,397	325	31,958	2,066	7,292	22,771	-86	618	141,596
July	23,342	274	NM	77,551	390	33,176	1,983	7,434	22,317	-118	640	167,067
August	21,688	224	131	77,290	388	32,693	1,549	7,196	20,725	-109	644	162,420
Sept	20,506	203	118	65,876	349	31,294	1,247	6,072	24,018	-88	595	150,188
October	17,179	216	9	58,402	227	29,744	1,270	5,529	27,011	-56	588	140,120
November	19,706	233	41	52,187	352	31,202	1,651	3,881	24,675	-84	580	134,423
December	18,545	226	42	58,680	372	33,212	2,034	3,073	26,428	-64	610	143,158
Year 2020												
January	16,173	134	140	58,568	387	33,483	2,097	3,985	27,562	-52	611	143,088
February	13,937	122	40	54,135	389	29,871	2,058	5,000	27,573	-65	547	133,608
Year to Date												
2018	50,100	3,085	262	87,628	638	66,132	3,786	6,550	48,543	-162	1,118	267,680
2019	45,320	643	292	100,986	723	64,367	4,213	6,655	47,751	-154	1,176	271,970
2020	30,110	256	180	112,703	776	63,354	4,156	8,985	55,136	-116	1,158	276,696
Rolling 12 Months Ending in February												
2019	273,889	3,045	1,546	658,774	4,020	381,068	24,239	58,442	274,362	-1,112	6,735	1,685,008
2020	221,964	2,456	NM	703,980	4,205	377,725	22,613	67,330	301,992	-962	7,199	1,709,601

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 2018 and prior years are final. Values for 2019 and 2020 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, 2010-February 2020
(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															
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	329	103	8	8,042	0	0	240	521	2,729	0	1,088	13,060	7,685	8,206	8,206
2018	303	132	7	8,419	0	0	227	525	2,688	0	1,010	13,312	9,798	10,324	10,324
2019	275	112	5	8,647	0	0	211	608	2,701	0	1,065	13,624	11,097	11,705	11,705
Year 2018															
January	40	41	1	671	0	0	19	29	229	0	84	1,114	552	581	581
February	32	7	1	626	0	0	19	31	206	0	72	995	605	636	636
March	27	7	1	647	0	0	21	43	227	0	83	1,058	820	863	863
April	24	8	0	585	0	0	24	50	217	0	81	989	907	957	957
May	21	7	0	656	0	0	24	57	221	0	90	1,076	992	1,048	1,048
June	20	7	0	737	0	0	21	62	224	0	92	1,163	1,003	1,065	1,065
July	21	11	0	875	0	0	19	59	223	0	90	1,298	1,036	1,094	1,094
August	23	9	0	892	0	0	17	56	230	0	90	1,318	993	1,049	1,049
Sept	24	7	1	771	0	0	16	46	213	0	80	1,156	893	938	938
October	20	7	1	668	0	0	14	39	223	0	83	1,055	786	826	826
November	25	12	1	622	0	0	16	29	212	0	77	993	623	652	652
December	24	9	1	669	0	0	17	25	262	0	88	1,095	589	614	614
Year 2019															
January	33	13	1	719	0	0	NM	32	255	0	94	1,167	632	665	665
February	28	8	1	670	0	0	NM	32	228	0	80	1,064	680	711	711
March	32	8	1	702	0	0	NM	51	253	0	89	1,157	938	990	990
April	21	7	1	644	0	0	NM	57	206	0	88	1,046	1,042	1,099	1,099
May	19	8	0	682	0	0	NM	61	200	0	90	1,084	1,121	1,182	1,182
June	14	7	0	690	0	0	21	67	217	0	92	1,106	1,130	1,196	1,196
July	NM	10	0	813	0	0	NM	70	226	0	91	1,247	1,184	1,254	1,254
August	18	13	0	841	0	0	NM	67	219	0	93	1,268	1,128	1,196	1,196
Sept	21	11	0	738	0	0	NM	57	213	0	90	1,141	1,006	1,063	1,063
October	20	10	0	701	0	0	NM	48	227	0	83	1,099	890	937	937
November	21	9	0	710	0	0	NM	37	225	0	82	1,099	688	725	725
December	26	9	1	738	0	0	16	30	234	0	92	1,145	658	688	688
Year 2020															
January	22	9	2	753	0	0	NM	34	229	0	90	1,157	732	767	767
February	28	5	1	676	0	0	NM	41	224	0	79	1,075	830	871	871
Year to Date															
2018	73	48	2	1,297	0	0	38	60	435	0	156	2,109	1,157	1,217	1,217
2019	61	21	2	1,389	0	0	37	64	482	0	174	2,231	1,312	1,376	1,376
2020	50	15	2	1,429	0	0	38	75	453	0	169	2,232	1,563	1,638	1,638
Rolling 12 Months Ending in February															
2019	292	106	7	8,510	0	0	NM	530	2,735	0	1,028	13,434	9,953	10,483	10,483
2020	NM	106	5	8,688	0	0	NM	619	2,672	0	1,060	13,625	11,348	11,967	11,967

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 2018 and prior years are final. Values for 2019 and 2020 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, 2010-February 2020
(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															
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	7,669	463	776	91,647	8,343	0	1,382	42	28,508	0	4,928	143,758	2,364	2,406	2,406
2018	7,011	517	640	94,892	9,377	0	1,149	47	28,440	0	4,725	146,798	2,636	2,683	2,683
2019	6,367	440	662	98,434	9,328	0	1,120	79	27,686	0	4,530	148,645	3,041	3,120	3,120
Year 2018															
January	687	73	57	8,153	752	0	83	2	2,450	0	410	12,668	146	149	149
February	619	47	52	7,184	755	0	89	3	2,177	0	340	11,265	155	158	158
March	616	41	54	7,280	811	0	87	4	2,437	0	413	11,742	221	225	225
April	535	33	51	7,172	744	0	102	4	2,237	0	380	11,258	241	245	245
May	572	41	56	7,614	778	0	101	5	2,390	0	409	11,967	267	271	271
June	590	34	64	7,918	775	0	74	5	2,358	0	381	12,199	268	273	273
July	606	49	57	8,609	813	0	78	5	2,540	0	381	13,138	277	282	282
August	590	35	54	8,634	909	0	91	5	2,474	0	421	13,212	268	273	273
Sept	558	34	51	8,022	773	0	90	4	2,290	0	363	12,185	242	247	247
October	507	39	58	7,941	762	0	108	4	2,307	0	402	12,127	220	224	224
November	536	46	38	8,127	734	0	116	3	2,318	0	396	12,313	174	177	177
December	596	46	49	8,237	771	0	130	2	2,464	0	429	12,724	157	160	160
Year 2019															
January	607	44	52	8,677	734	0	102	4	2,374	0	429	13,023	168	172	172
February	539	40	42	7,492	734	0	87	4	2,164	0	343	11,443	178	182	182
March	525	38	43	7,903	870	0	101	6	2,338	0	379	12,204	254	261	261
April	497	42	46	7,650	733	0	94	7	2,234	0	342	11,645	278	285	285
May	500	34	52	7,791	764	0	102	8	2,266	0	358	11,874	309	316	316
June	504	36	54	7,923	677	0	97	9	2,329	0	357	11,985	311	319	319
July	566	30	118	8,554	882	0	94	9	2,424	0	391	13,068	321	330	330
August	555	38	55	8,651	798	0	87	8	2,479	0	411	13,082	311	319	319
Sept	525	35	60	8,206	781	0	81	7	2,217	0	400	12,313	281	289	289
October	508	31	42	8,161	770	0	83	6	2,202	0	373	12,176	255	261	261
November	529	36	47	8,556	825	0	91	5	2,271	0	367	12,727	198	203	203
December	513	34	51	8,870	762	0	102	4	2,390	0	380	13,105	179	183	183
Year 2020															
January	538	34	52	9,056	824	0	100	4	2,375	0	341	13,324	192	196	196
February	497	33	NM	8,195	836	0	97	5	2,209	0	298	12,218	213	218	218
Year to Date															
2018	1,305	119	109	15,337	1,508	0	173	5	4,626	0	751	23,933	301	307	307
2019	1,146	84	94	16,169	1,467	0	189	8	4,538	0	771	24,466	346	353	353
2020	1,035	67	97	17,251	1,660	0	198	10	4,584	0	640	25,542	404	414	414
Rolling 12 Months Ending in February															
2019	6,852	482	625	95,724	9,337	0	1,165	50	28,351	0	4,745	147,332	2,680	2,730	2,730
2020	6,257	423	NM	99,516	9,521	0	1,128	81	27,732	0	4,398	149,721	3,100	3,181	3,181

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
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 2018 and prior years are final. Values for 2019 and 2020 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 2020 (Thousand Megawatthours)

	Small Scale Generation
Period	**Estimated Small Scale Solar Photovoltaic Generation**
Annual Totals	
2014	4,947
2015	6,999
2016	10,595
2017	13,942
2018	17,105
2019	20,902
Year 2018	
January	921
February	1,007
March	1,393
April	1,592
May	1,753
June	1,788
July	1,834
August	1,756
Sept	1,539
October	1,385
November	1,108
December	1,029
Year 2019	
January	1,106
February	1,204
March	1,726
April	1,934
May	2,129
June	2,174
July	2,267
August	2,183
Sept	1,929
October	1,696
November	1,346
December	1,209
Year 2020	
January	1,369
February	1,566
Year to Date	
2018	1,927
2019	2,310
2020	2,935
Rolling 12 Months Ending in February	
2019	17,487
2020	21,528

See Glossary for definitions. Values for 2018 and prior years are final. Values for 2019 and 2020 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 2020 and 2019 (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 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
New England	8,151	7,894	3.2%	194	191	7,600	7,370	111	115	246	218
Connecticut	3,516	3,053	15.2%	5	7	3,419	2,960	35	35	57	50
Maine	829	855	-3.1%	0	0	668	712	9	12	151	131
Massachusetts	1,576	2,117	-25.6%	43	34	1,454	2,004	56	57	23	22
New Hampshire	1,394	1,226	13.8%	60	75	1,326	1,142	7	7	3	2
Rhode Island	628	459	36.8%	0	0	612	442	4	4	13	13
Vermont	208	184	12.6%	86	75	121	110	0	0	0	0
Middle Atlantic	34,161	34,168	0.0%	2,849	2,620	30,770	31,006	183	173	360	370
New Jersey	4,928	5,593	-11.9%	3	1	4,817	5,498	45	38	64	56
New York	10,768	10,212	5.4%	2,834	2,605	7,752	7,431	104	102	78	75
Pennsylvania	18,465	18,363	0.6%	12	14	18,201	18,077	33	33	219	239
East North Central	44,895	47,758	-6.0%	15,391	18,066	28,413	28,620	149	148	942	925
Illinois	13,458	14,521	-7.3%	529	401	12,665	13,858	36	31	227	231
Indiana	7,059	8,384	-15.8%	4,153	5,769	2,489	2,234	21	18	397	364
Michigan	9,059	9,670	-6.3%	5,603	6,635	3,282	2,839	62	69	112	127
Ohio	10,030	9,969	0.6%	1,000	1,140	8,954	8,748	18	19	59	62
Wisconsin	5,289	5,215	1.4%	4,106	4,121	1,023	941	12	11	147	141
West North Central	28,604	28,624	-0.1%	21,604	23,506	6,603	4,754	50	53	347	311
Iowa	5,333	5,360	-0.5%	3,879	4,211	1,258	985	18	18	178	146
Kansas	4,131	4,536	-8.9%	2,316	3,131	1,788	1,392	NM	NM	25	11
Minnesota	4,466	4,706	-5.1%	3,182	3,761	1,178	824	16	18	90	104
Missouri	6,280	6,720	-6.5%	5,767	6,320	495	382	13	14	4	3
Nebraska	3,188	3,020	5.6%	2,403	2,468	747	517	2	2	36	33
North Dakota	3,895	3,294	18.2%	3,122	2,788	759	493	NM	NM	14	13
South Dakota	1,311	988	32.7%	934	827	377	161	NM	NM	0	0
South Atlantic	60,562	57,698	5.0%	50,061	48,173	8,855	7,962	145	131	1,502	1,432
Delaware	293	302	-3.0%	NM	NM	191	200	0	0	101	101
District of Columbia	12	7	75.5%	0	0	NM	NM	11	6	0	0
Florida	17,641	16,385	7.7%	16,347	15,274	944	727	6	6	345	378
Georgia	8,728	8,253	5.7%	7,054	6,900	1,250	968	NM	NM	423	385
Maryland	2,714	2,825	-3.9%	451	469	2,184	2,260	76	74	3	21
North Carolina	9,926	9,162	8.3%	8,404	7,780	1,347	1,220	23	21	152	141
South Carolina	7,873	7,656	2.8%	7,559	7,377	158	134	0	0	155	144
Virginia	8,515	8,293	2.7%	6,606	6,673	1,684	1,423	28	24	197	173
West Virginia	4,861	4,816	0.9%	3,639	3,699	1,096	1,028	0	0	126	89
East South Central	28,041	26,777	4.7%	24,103	23,112	3,145	2,933	20	19	773	713
Alabama	10,551	10,814	-2.4%	7,301	7,970	2,859	2,475	0	0	391	369
Kentucky	5,174	5,560	-6.9%	5,123	5,491	NM	27	0	0	48	42
Mississippi	5,741	4,413	30.1%	5,339	3,869	250	407	0	0	153	137
Tennessee	6,574	5,991	9.7%	6,341	5,782	33	24	20	19	180	166
West South Central	54,167	51,933	4.3%	15,938	16,921	31,527	28,879	82	86	6,619	6,047
Arkansas	3,780	5,004	-24.5%	3,279	4,307	389	550	NM	NM	108	144
Louisiana	7,993	6,764	18.2%	5,056	3,551	348	599	15	13	2,574	2,601
Oklahoma	6,572	6,121	7.4%	2,600	3,018	3,899	3,034	0	0	74	69
Texas	35,821	34,044	5.2%	5,003	6,044	26,891	24,697	63	71	3,864	3,232
Mountain	27,442	29,972	-8.4%	20,629	23,646	6,475	6,015	86	82	252	229
Arizona	7,547	8,419	-10.4%	6,266	7,625	1,269	783	12	12	0	0
Colorado	4,597	4,586	0.2%	3,466	3,565	1,122	1,013	3	NM	6	6
Idaho	1,709	1,290	32.4%	1,116	902	539	341	4	4	50	43
Montana	2,194	2,379	-7.8%	1,048	841	1,142	1,535	0	0	4	3
Nevada	2,834	2,920	-2.9%	1,828	1,984	935	855	51	49	19	31
New Mexico	2,674	2,992	-10.6%	1,715	1,985	951	999	NM	NM	0	0
Utah	2,765	3,506	-21.1%	2,475	3,184	244	272	8	8	39	42
Wyoming	3,122	3,879	-19.5%	2,716	3,559	273	217	0	0	133	104
Pacific Contiguous	29,612	27,709	6.9%	18,325	15,988	9,946	10,352	194	202	1,147	1,167
California	13,290	14,460	-8.1%	4,803	5,586	7,321	7,660	186	194	980	1,020
Oregon	6,284	5,098	23.3%	4,632	3,572	1,586	1,473	6	6	59	47
Washington	10,039	8,150	23.2%	8,890	6,829	1,038	1,219	2	3	108	99
Pacific Noncontiguous	1,298	1,146	13.2%	937	778	275	284	55	54	30	31
Alaska	583	467	24.7%	519	415	21	18	32	25	10	10
Hawaii	715	679	5.3%	418	363	254	266	23	29	20	21
U.S. Total	316,933	313,680	1.0%	170,033	172,999	133,608	128,174	1,075	1,064	12,218	11,443

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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 1.3.B. Utility Scale Facility Net Generation

by State, by Sector, Year-to-Date through February 2020 and 2019 (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 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
New England	17,131	16,978	0.9%	397	520	15,994	15,759	231	238	510	461
Connecticut	7,321	6,506	12.5%	11	16	7,118	6,316	73	72	119	102
Maine	1,688	1,811	-6.8%	0	0	1,355	1,503	21	27	312	281
Massachusetts	3,479	4,500	-22.7%	86	79	3,227	4,258	120	116	47	47
New Hampshire	2,915	2,792	4.4%	130	260	2,770	2,514	10	14	5	5
Rhode Island	1,315	963	36.6%	0	0	1,280	927	8	8	27	27
Vermont	414	406	1.8%	170	165	243	241	1	1	0	0
Middle Atlantic	72,172	72,893	-1.0%	5,867	5,617	65,174	66,140	380	368	752	769
New Jersey	10,426	11,601	-10.1%	-22	10	10,217	11,384	94	84	136	123
New York	22,385	21,710	3.1%	5,864	5,578	16,146	15,763	216	213	158	155
Pennsylvania	39,362	39,583	-0.6%	24	29	38,811	38,993	69	70	458	491
East North Central	94,512	102,700	-8.0%	32,807	38,793	59,470	61,664	305	308	1,930	1,936
Illinois	28,028	31,806	-11.9%	1,061	848	26,437	30,413	70	65	459	479
Indiana	14,654	18,370	-20.2%	8,654	12,852	5,148	4,729	44	37	809	751
Michigan	19,624	20,179	-2.8%	12,565	13,964	6,693	5,801	129	144	237	271
Ohio	21,347	21,375	-0.1%	2,153	2,486	19,039	18,725	36	39	119	125
Wisconsin	10,859	10,969	-1.0%	8,376	8,642	2,153	1,996	25	23	306	309
West North Central	58,568	60,511	-3.2%	44,904	49,522	12,874	10,200	106	109	684	680
Iowa	10,411	11,231	-7.3%	7,559	8,734	2,460	2,123	38	39	354	334
Kansas	8,515	8,978	-5.1%	4,903	6,015	3,574	2,937	NM	NM	36	23
Minnesota	9,473	10,018	-5.4%	7,068	7,978	2,191	1,788	32	35	182	217
Missouri	13,093	14,606	-10.4%	11,996	13,756	1,058	814	30	28	9	7
Nebraska	6,637	6,396	3.8%	5,116	5,239	1,443	1,082	3	4	75	71
North Dakota	7,862	7,166	9.7%	6,375	6,037	1,458	1,101	NM	NM	28	28
South Dakota	2,577	2,116	21.8%	1,888	1,762	688	354	NM	NM	0	0
South Atlantic	124,315	126,097	-1.4%	102,988	105,819	17,899	16,944	305	288	3,123	3,045
Delaware	626	587	6.7%	NM	NM	407	397	1	1	217	188
District of Columbia	23	16	43.9%	0	0	NM	NM	21	14	0	0
Florida	36,251	34,742	4.3%	33,738	32,513	1,765	1,411	13	12	735	805
Georgia	17,940	18,700	-4.1%	14,629	15,965	2,438	1,900	NM	NM	872	834
Maryland	5,548	6,394	-13.2%	613	836	4,764	5,351	165	160	7	46
North Carolina	20,594	20,324	1.3%	17,584	17,544	2,650	2,448	47	45	313	287
South Carolina	16,487	16,628	-0.8%	15,863	16,059	308	264	1	1	316	304
Virginia	17,862	17,141	4.2%	13,906	13,808	3,482	2,889	58	54	416	391
West Virginia	8,985	11,565	-22.3%	6,654	9,094	2,084	2,282	0	0	247	190
East South Central	58,039	58,971	-1.6%	49,746	51,210	6,662	6,214	41	38	1,590	1,510
Alabama	22,061	23,377	-5.6%	15,759	17,760	5,494	4,841	0	0	808	775
Kentucky	10,943	12,727	-14.0%	10,823	12,564	20	73	0	0	100	89
Mississippi	11,600	9,536	21.6%	10,202	7,991	1,086	1,253	0	0	312	292
Tennessee	13,436	13,331	0.8%	12,963	12,894	62	46	41	38	370	353
West South Central	110,944	111,075	-0.1%	32,798	36,907	64,085	60,938	167	176	13,894	13,055
Arkansas	7,988	10,845	-26.3%	6,913	9,605	843	933	NM	NM	222	301
Louisiana	16,300	14,543	12.1%	10,128	7,810	732	1,264	31	28	5,408	5,440
Oklahoma	13,696	13,225	3.6%	5,496	6,357	8,044	6,724	0	0	156	144
Texas	72,960	72,463	0.7%	10,260	13,134	54,465	52,018	126	141	8,108	7,170
Mountain	57,431	62,012	-7.4%	43,266	49,016	13,473	12,342	167	170	525	484
Arizona	16,081	17,438	-7.8%	13,306	15,746	2,753	1,667	23	25	0	0
Colorado	9,398	9,615	-2.3%	7,060	7,615	2,317	1,983	9	4	12	14
Idaho	3,377	2,728	23.8%	2,203	1,896	1,062	732	8	8	104	92
Montana	4,474	5,074	-11.8%	2,015	1,764	2,451	3,303	0	0	8	7
Nevada	5,907	5,986	-1.3%	3,923	4,135	1,850	1,709	95	99	39	44
New Mexico	5,814	5,895	-1.4%	3,746	3,894	2,052	1,984	16	17	0	0
Utah	5,960	7,243	-17.7%	5,396	6,631	463	506	16	17	85	89
Wyoming	6,421	8,032	-20.1%	5,618	7,335	526	458	0	0	277	239
Pacific Contiguous	60,441	57,729	4.7%	37,018	33,646	20,535	21,195	414	424	2,474	2,465
California	27,756	29,137	-4.7%	10,397	11,211	14,833	15,370	399	406	2,127	2,150
Oregon	12,651	10,969	15.3%	9,213	7,818	3,301	3,036	13	12	123	103
Washington	20,034	17,622	13.7%	17,407	14,617	2,401	2,788	3	6	223	212
Pacific Noncontiguous	2,700	2,468	9.4%	1,993	1,717	530	575	116	114	60	62
Alaska	1,190	1,004	18.6%	1,070	893	42	38	57	53	20	20
Hawaii	1,509	1,464	3.1%	923	824	488	537	59	61	40	41
U.S. Total	656,254	671,434	-2.3%	351,784	372,766	276,696	271,970	2,232	2,231	25,542	24,466

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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 2020 and 2019 (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 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
New England	31	34	-8.3%	25	24	4	7	0	0	NM	NM
Connecticut	-2	2	-209.6%	0	0	-2	2	0	0	0	0
Maine	8	7	5.0%	0	0	6	5	0	0	NM	NM
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	25	24	5.2%	25	24	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	1,859	3,515	-47.1%	0	0	1,854	3,506	0	0	5	10
New Jersey	77	90	-14.9%	0	0	77	90	0	0	0	0
New York	26	55	-52.9%	0	0	26	55	0	0	0	0
Pennsylvania	1,756	3,370	-47.9%	0	0	1,751	3,360	0	0	5	10
East North Central	13,664	19,666	-30.5%	7,444	11,542	6,057	7,947	4	5	160	172
Illinois	2,568	4,532	-43.3%	211	368	2,225	4,030	2	3	130	132
Indiana	3,416	5,037	-32.2%	3,017	4,723	397	312	2	2	0	0
Michigan	1,840	3,519	-47.7%	1,805	3,484	32	30	0	0	NM	5
Ohio	3,799	4,073	-6.7%	396	497	3,402	3,576	0	0	0	0
Wisconsin	2,041	2,505	-18.5%	2,014	2,470	0	0	0	0	27	35
West North Central	11,962	15,456	-22.6%	11,778	15,273	0	0	7	7	177	176
Iowa	1,189	2,474	-52.0%	1,064	2,364	0	0	5	6	120	105
Kansas	1,178	2,021	-41.7%	1,178	2,021	0	0	0	0	0	0
Minnesota	1,022	1,605	-36.3%	1,009	1,574	0	0	0	0	NM	31
Missouri	4,505	5,136	-12.3%	4,503	5,135	0	0	2	1	0	0
Nebraska	1,655	1,807	-8.4%	1,619	1,774	0	0	0	0	36	33
North Dakota	2,260	2,162	4.5%	2,252	2,154	0	0	0	0	NM	8
South Dakota	153	251	-39.0%	153	251	0	0	0	0	0	0
South Atlantic	7,376	8,778	-16.0%	6,426	7,533	906	1,183	4	8	40	55
Delaware	-3	10	-129.9%	0	0	-3	10	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	745	993	-25.0%	743	987	0	0	0	0	2	6
Georgia	432	1,135	-61.9%	418	1,117	0	0	0	0	15	18
Maryland	75	251	-70.2%	0	0	75	245	0	0	0	6
North Carolina	761	756	0.7%	738	691	8	47	4	6	12	12
South Carolina	792	965	-17.9%	791	963	0	0	0	0	1	2
Virginia	186	206	-9.7%	176	147	-1	46	0	2	11	11
West Virginia	4,388	4,463	-1.7%	3,561	3,628	827	835	0	0	0	0
East South Central	6,131	7,451	-17.7%	5,870	7,361	222	48	0	0	39	42
Alabama	1,237	2,203	-43.8%	1,237	2,198	0	0	0	0	0	NM
Kentucky	3,775	4,353	-13.3%	3,775	4,353	0	0	0	0	0	0
Mississippi	271	55	394.9%	50	7	222	48	0	0	0	0
Tennessee	848	840	0.9%	809	803	0	0	0	0	39	37
West South Central	5,896	10,675	-44.8%	2,412	5,691	3,470	4,958	0	0	14	26
Arkansas	880	1,687	-47.8%	621	1,257	255	424	0	0	3	6
Louisiana	135	702	-80.8%	135	497	0	206	0	0	0	0
Oklahoma	58	836	-93.0%	48	816	0	0	0	0	10	20
Texas	4,823	7,450	-35.3%	1,608	3,121	3,215	4,329	0	0	0	0
Mountain	8,465	13,385	-36.8%	7,446	11,865	986	1,489	0	0	32	31
Arizona	727	2,421	-70.0%	727	2,421	0	0	0	0	0	0
Colorado	1,735	2,104	-17.5%	1,735	2,103	0	0	0	0	0	1
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	869	1,302	-33.3%	24	24	843	1,277	0	0	NM	NM
Nevada	89	386	-76.9%	-4	265	93	121	0	0	0	0
New Mexico	989	1,413	-30.0%	989	1,413	0	0	0	0	0	0
Utah	1,589	2,377	-33.1%	1,589	2,344	0	33	0	0	0	0
Wyoming	2,466	3,380	-27.0%	2,386	3,295	50	57	0	0	29	28
Pacific Contiguous	503	990	-49.2%	140	263	334	701	0	0	28	25
California	25	23	7.6%	0	0	0	0	0	0	25	23
Oregon	140	263	-46.8%	140	263	0	0	0	0	0	0
Washington	337	703	-52.0%	0	0	334	701	0	0	3	2
Pacific Noncontiguous	170	154	10.7%	52	37	104	108	13	8	0	0
Alaska	81	59	37.1%	52	37	NM	14	13	8	0	0
Hawaii	89	95	-5.9%	0	0	89	95	0	0	0	0
U.S. Total	56,057	80,104	-30.0%	41,594	59,589	13,937	19,948	28	28	497	539

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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 2020 and 2019 (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 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
New England	61	213	-71.3%	49	145	9	63	0	0	NM	NM
Connecticut	-5	49	-109.7%	0	0	-5	49	0	0	0	0
Maine	17	19	-8.6%	0	0	13	13	0	0	NM	NM
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	49	145	-66.1%	49	145	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	4,563	8,679	-47.4%	0	0	4,553	8,657	0	0	11	22
New Jersey	156	198	-21.0%	0	0	156	198	0	0	0	0
New York	47	268	-82.5%	0	0	47	268	0	0	0	0
Pennsylvania	4,360	8,214	-46.9%	0	0	4,350	8,192	0	0	11	22
East North Central	29,061	43,803	-33.7%	16,147	24,942	12,576	18,484	7	12	330	366
Illinois	5,186	10,398	-50.1%	462	760	4,451	9,355	3	7	270	276
Indiana	7,071	11,481	-38.4%	6,248	10,764	818	713	4	4	0	0
Michigan	4,597	7,182	-36.0%	4,525	7,106	66	64	0	0	NM	12
Ohio	8,107	9,438	-14.1%	867	1,086	7,241	8,352	0	0	0	1
Wisconsin	4,099	5,303	-22.7%	4,045	5,226	0	0	0	0	54	77
West North Central	25,509	32,654	-21.9%	25,133	32,259	0	0	14	15	362	379
Iowa	2,626	4,948	-46.9%	2,370	4,708	0	0	11	12	245	229
Kansas	2,534	3,687	-31.3%	2,534	3,687	0	0	0	0	0	0
Minnesota	2,392	3,769	-36.5%	2,367	3,706	0	0	0	0	25	63
Missouri	9,334	11,201	-16.7%	9,331	11,199	0	0	3	3	0	0
Nebraska	3,569	3,844	-7.2%	3,495	3,773	0	0	0	0	75	71
North Dakota	4,710	4,693	0.4%	4,693	4,676	0	0	0	0	17	16
South Dakota	344	511	-32.7%	344	511	0	0	0	0	0	0
South Atlantic	15,495	24,132	-35.8%	13,573	21,066	1,821	2,932	11	16	91	118
Delaware	-6	38	-115.6%	0	0	-6	38	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,852	2,984	-37.9%	1,845	2,972	0	0	0	0	NM	12
Georgia	911	3,140	-71.0%	880	3,103	0	0	0	0	31	37
Maryland	249	933	-73.3%	0	0	249	919	0	0	0	13
North Carolina	2,161	3,050	-29.2%	2,109	2,960	16	55	9	13	26	22
South Carolina	1,840	2,595	-29.1%	1,838	2,591	0	0	0	0	1	4
Virginia	445	607	-26.6%	408	504	9	70	1	3	26	30
West Virginia	8,044	10,786	-25.4%	6,492	8,936	1,552	1,849	0	0	0	0
East South Central	13,580	17,816	-23.8%	13,064	17,428	430	299	0	0	86	89
Alabama	3,357	5,252	-36.1%	3,355	5,240	0	0	0	0	NM	12
Kentucky	7,882	9,851	-20.0%	7,882	9,851	0	0	0	0	0	0
Mississippi	539	447	20.5%	109	149	430	299	0	0	0	0
Tennessee	1,802	2,266	-20.5%	1,718	2,189	0	0	0	0	84	77
West South Central	12,414	23,604	-47.4%	4,917	13,411	7,467	10,147	0	0	31	46
Arkansas	1,735	4,436	-60.9%	1,152	3,758	575	665	0	0	8	13
Louisiana	301	1,418	-78.8%	301	966	0	452	0	0	0	0
Oklahoma	265	1,924	-86.2%	226	1,835	16	57	0	0	23	33
Texas	10,113	15,826	-36.1%	3,238	6,853	6,876	8,972	0	0	0	0
Mountain	18,811	27,796	-32.3%	16,582	24,592	2,162	3,139	0	0	67	66
Arizona	1,861	4,759	-60.9%	1,861	4,759	0	0	0	0	0	0
Colorado	3,729	4,694	-20.6%	3,729	4,691	0	0	0	0	0	2
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	1,891	2,784	-32.1%	27	51	1,860	2,731	0	0	NM	NM
Nevada	261	767	-66.0%	68	545	193	222	0	0	0	0
New Mexico	2,327	2,806	-17.1%	2,327	2,806	0	0	0	0	0	0
Utah	3,596	5,019	-28.3%	3,596	4,948	0	71	0	0	0	0
Wyoming	5,144	6,965	-26.1%	4,974	6,792	109	114	0	0	61	58
Pacific Contiguous	1,442	2,092	-31.1%	494	656	892	1,382	0	0	55	54
California	49	50	-1.2%	0	0	0	0	0	0	49	50
Oregon	494	656	-24.6%	494	656	0	0	0	0	0	0
Washington	898	1,387	-35.2%	0	0	892	1,382	0	0	6	4
Pacific Noncontiguous	291	322	-9.6%	73	86	199	218	18	19	0	0
Alaska	123	133	-7.6%	73	86	32	29	18	19	0	0
Hawaii	168	189	-11.0%	0	0	168	189	0	0	0	0
U.S. Total	121,227	181,112	-33.1%	90,031	134,585	30,110	45,320	50	61	1,035	1,146

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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 2020 and 2019 (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 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
New England	13	16	-20.8%	NM	4	8	7	2	4	NM	1
Connecticut	NM	6	NM	NM	NM	NM	4	NM	1	0	0
Maine	2	2	22.7%	0	0	1	0	0	0	NM	1
Massachusetts	4	NM	NM	NM	NM	3	NM	NM	NM	0	0
New Hampshire	2	4	-40.9%	1	2	NM	NM	2	2	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	1	NM	NM
Vermont	NM	NM	NM	NM	NM	0	0	0	0	0	0
Middle Atlantic	27	81	-66.5%	5	23	21	53	NM	NM	1	4
New Jersey	12	4	228.5%	0	0	12	4	0	0	0	0
New York	12	63	-81.6%	5	23	6	37	NM	NM	1	3
Pennsylvania	3	13	-78.0%	0	0	2	13	0	0	NM	1
East North Central	27	39	-31.3%	14	18	13	19	0	0	1	2
Illinois	3	3	-17.2%	NM	NM	2	3	0	NM	0	0
Indiana	8	9	-14.5%	8	8	0	0	0	0	0	1
Michigan	2	6	-64.1%	2	6	0	0	NM	0	NM	NM
Ohio	10	15	-29.6%	1	1	9	13	0	0	0	1
Wisconsin	NM	6	NM	NM	NM	1	3	NM	0	0	0
West North Central	20	28	-26.8%	20	26	NM	NM	0	1	0	0
Iowa	NM	5	NM	NM	4	NM	NM	0	0	0	0
Kansas	8	3	217.8%	8	3	0	0	0	0	0	0
Minnesota	NM	4	NM	NM	3	NM	NM	0	1	0	0
Missouri	7	8	-14.3%	7	8	0	0	0	0	0	0
Nebraska	NM	NM	NM	NM	NM	0	0	0	0	0	0
North Dakota	NM	6	NM	NM	5	0	0	0	0	0	0
South Dakota	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
South Atlantic	60	70	-15.4%	45	44	6	18	2	1	7	8
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	13	9	42.1%	11	7	NM	NM	0	0	NM	2
Georgia	0	6	-95.1%	-3	2	NM	NM	NM	0	NM	3
Maryland	1	10	-85.3%	0	0	1	10	0	0	0	0
North Carolina	8	13	-40.7%	7	12	NM	NM	NM	NM	NM	NM
South Carolina	6	5	20.7%	6	4	0	0	0	0	0	1
Virginia	9	14	-35.5%	5	9	2	4	2	1	1	0
West Virginia	19	9	114.1%	19	9	0	0	0	0	0	0
East South Central	14	19	-27.6%	14	18	NM	1	0	0	NM	1
Alabama	NM	1	NM	0	0	NM	1	0	0	NM	NM
Kentucky	4	8	-49.8%	4	8	0	0	0	0	0	0
Mississippi	1	0	62.9%	1	0	0	0	0	0	0	0
Tennessee	9	10	-7.9%	9	10	0	0	0	0	0	1
West South Central	11	9	15.9%	7	7	3	1	0	0	0	1
Arkansas	5	2	95.8%	4	2	1	0	0	0	0	0
Louisiana	NM	0	NM	NM	0	0	0	0	0	0	0
Oklahoma	NM	3	NM	NM	3	0	0	0	0	0	0
Texas	6	4	43.2%	3	3	3	1	0	0	0	0
Mountain	12	16	-29.2%	12	15	NM	1	NM	NM	0	0
Arizona	3	7	-51.7%	3	7	0	0	NM	NM	0	0
Colorado	NM	NM	NM	NM	NM	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	1	-98.2%	0	1	0	0	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	2	2	3.9%	2	2	0	0	0	0	0	0
Wyoming	2	3	-18.6%	2	3	0	0	0	0	0	0
Pacific Contiguous	5	6	-8.6%	NM	3	1	1	0	0	NM	2
California	NM	4	NM	NM	3	0	0	0	0	0	1
Oregon	0	0	31.6%	0	0	0	0	0	0	0	0
Washington	2	NM	NM	NM	NM	0	0	0	0	NM	NM
Pacific Noncontiguous	562	521	7.8%	469	404	70	95	1	1	22	21
Alaska	78	66	18.0%	72	62	0	0	NM	1	6	4
Hawaii	484	455	6.3%	397	342	70	95	1	1	16	18
U.S. Total	750	806	-6.9%	589	561	122	197	5	8	33	40

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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 2020 and 2019 (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 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
New England	31	85	-63.6%	3	NM	21	65	5	10	1	4
Connecticut	8	23	-63.5%	1	NM	8	20	NM	3	0	0
Maine	6	6	-3.8%	0	0	4	2	0	0	1	3
Massachusetts	10	43	-76.3%	NM	NM	8	38	NM	NM	0	1
New Hampshire	4	8	-42.0%	1	2	NM	NM	3	4	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	1	NM	NM
Vermont	NM	NM	NM	NM	NM	0	0	0	0	0	0
Middle Atlantic	53	420	-87.4%	10	146	40	262	NM	NM	2	9
New Jersey	15	41	-62.7%	0	1	15	39	0	0	0	1
New York	33	327	-89.9%	10	145	21	173	NM	NM	1	7
Pennsylvania	5	51	-91.0%	0	0	4	50	0	1	NM	NM
East North Central	62	83	-25.4%	38	41	23	37	0	1	1	4
Illinois	5	6	-21.8%	1	NM	4	6	0	NM	0	0
Indiana	20	20	-2.1%	19	18	0	0	0	0	0	2
Michigan	8	15	-50.7%	7	15	0	0	NM	0	NM	0
Ohio	20	28	-27.0%	2	NM	18	25	0	0	0	1
Wisconsin	NM	13	NM	NM	NM	1	7	NM	0	0	0
West North Central	49	63	-22.5%	47	58	NM	NM	0	1	0	0
Iowa	5	9	-45.6%	4	8	0	0	0	0	0	0
Kansas	16	10	64.0%	16	10	0	0	0	0	0	0
Minnesota	NM	11	NM	NM	7	NM	NM	0	1	0	0
Missouri	11	17	-34.8%	11	17	0	0	0	0	0	0
Nebraska	NM	NM	NM	NM	NM	0	0	0	0	0	0
North Dakota	6	10	-37.2%	6	10	0	0	0	0	0	0
South Dakota	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
South Atlantic	152	245	-37.9%	111	155	22	69	5	4	13	17
Delaware	NM	17	NM	0	0	NM	17	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	30	18	72.1%	27	14	0	NM	0	0	3	3
Georgia	2	22	-90.5%	-5	10	NM	NM	0	0	7	9
Maryland	12	24	-52.4%	0	0	12	23	0	0	0	1
North Carolina	25	58	-56.6%	22	54	NM	NM	NM	NM	2	NM
South Carolina	13	18	-32.4%	12	16	0	1	0	0	0	1
Virginia	24	70	-65.4%	14	44	4	22	5	4	1	1
West Virginia	42	17	144.0%	42	17	0	0	0	0	0	0
East South Central	37	55	-33.1%	35	51	NM	1	0	0	NM	3
Alabama	NM	5	NM	0	3	NM	1	0	0	NM	1
Kentucky	10	16	-39.6%	10	16	0	0	0	0	0	0
Mississippi	2	2	-5.4%	1	1	0	0	0	0	0	1
Tennessee	25	32	-23.0%	24	30	0	0	0	0	0	1
West South Central	18	20	-10.3%	13	14	5	5	0	0	0	2
Arkansas	6	8	-19.6%	6	4	1	3	0	0	0	0
Louisiana	1	NM	NM	1	NM	0	0	0	0	0	0
Oklahoma	2	4	-53.2%	2	4	0	0	0	0	0	0
Texas	9	7	25.3%	5	4	4	2	0	0	0	1
Mountain	27	35	-21.0%	27	32	NM	3	NM	NM	0	0
Arizona	6	12	-50.7%	6	12	0	0	NM	NM	0	0
Colorado	NM	NM	NM	NM	NM	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	NM	2	NM	NM	NM	NM	2	0	0	0	0
Nevada	1	2	-69.8%	1	2	0	0	0	0	0	0
New Mexico	7	6	28.9%	7	6	0	0	0	0	0	0
Utah	5	5	9.9%	5	5	0	0	0	0	0	0
Wyoming	7	5	31.3%	7	5	0	0	0	0	0	0
Pacific Contiguous	13	11	16.5%	8	6	3	2	0	0	2	3
California	7	8	-2.4%	NM	6	1	0	0	0	1	2
Oregon	0	1	-44.9%	0	1	0	0	0	0	0	0
Washington	5	3	87.3%	2	NM	2	1	0	0	NM	NM
Pacific Noncontiguous	1,242	1,149	8.1%	1,052	906	142	197	3	3	45	43
Alaska	189	136	38.7%	175	127	0	0	2	2	12	7
Hawaii	1,053	1,013	4.0%	877	780	142	197	1	1	34	35
U.S. Total	1,683	2,164	-22.2%	1,346	1,416	256	643	15	21	67	84

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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 2020 and 2019 (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 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
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	6	11	-46.2%	0	0	0	0	0	0	6	11
New Jersey	6	5	35.7%	0	0	0	0	0	0	6	5
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	0	7	-100.0%	0	0	0	0	0	0	0	7
East North Central	87	193	-55.1%	76	87	0	100	0	0	11	6
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	77	83	-7.5%	67	77	0	0	0	0	11	6
Ohio	0	100	-100.0%	0	0	0	100	0	0	0	0
Wisconsin	10	10	0.4%	10	10	0	0	0	0	0	0
West North Central	6	1	649.3%	0	0	0	0	1	1	5	0
Iowa	6	1	649.3%	0	0	0	0	1	1	5	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	181	144	26.0%	166	127	0	0	0	0	NM	17
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	166	127	30.1%	166	127	0	0	0	0	0	0
Georgia	NM	17	NM	0	0	0	0	0	0	NM	17
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	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	145	358	-59.4%	138	350	0	0	0	0	NM	8
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	138	353	-61.0%	138	350	0	0	0	0	0	3
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	NM	5	NM	0	0	0	0	0	0	NM	5
Mountain	40	39	2.5%	0	0	40	39	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	40	39	2.5%	0	0	40	39	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	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	466	747	-37.6%	380	564	40	139	1	1	NM	42

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

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

by State, by Sector, Year-to-Date through February 2020 and 2019 (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 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 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	12	26	-55.3%	0	0	0	0	0	0	12	26
New Jersey	12	11	5.6%	0	0	0	0	0	0	12	11
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	0	15	-100.0%	0	0	0	0	0	0	0	15
East North Central	272	428	-36.5%	150	202	97	209	0	0	25	17
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	155	199	-22.1%	130	182	0	0	0	0	25	17
Ohio	97	209	-53.5%	0	0	97	209	0	0	0	0
Wisconsin	20	20	-0.7%	20	20	0	0	0	0	0	0
West North Central	15	2	590.4%	0	0	0	0	2	2	12	0
Iowa	15	2	590.4%	0	0	0	0	2	2	12	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	367	306	20.0%	335	269	0	0	0	0	NM	37
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	335	269	24.4%	335	269	0	0	0	0	0	0
Georgia	NM	37	NM	0	0	0	0	0	0	NM	37
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	405	742	-45.4%	388	727	0	0	0	0	NM	15
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	388	733	-47.0%	388	727	0	0	0	0	0	6
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	NM	9	NM	0	0	0	0	0	0	NM	9
Mountain	82	82	-0.1%	0	0	82	82	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	82	82	-0.1%	0	0	82	82	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	1,152	1,586	-27.4%	873	1,198	180	292	2	2	97	94

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 2020 and 2019 (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 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
New England	4,004	3,494	14.6%	NM	3	3,779	3,289	91	90	130	112
Connecticut	1,887	1,481	27.4%	1	3	1,795	1,394	34	34	57	50
Maine	86	142	-39.0%	0	0	48	115	2	2	36	25
Massachusetts	1,238	1,368	-9.5%	NM	0	1,163	1,296	51	50	22	21
New Hampshire	211	84	149.2%	0	0	207	81	1	1	3	2
Rhode Island	581	418	39.0%	0	0	566	403	3	2	13	13
Vermont	0	0	60.5%	0	0	0	0	0	0	0	0
Middle Atlantic	15,680	13,843	13.3%	759	739	14,616	12,792	90	93	214	218
New Jersey	2,266	2,942	-23.0%	NM	NM	2,211	2,898	11	8	38	31
New York	3,936	3,623	8.7%	752	733	3,060	2,765	69	73	55	51
Pennsylvania	9,478	7,278	30.2%	0	1	9,346	7,129	10	12	121	136
East North Central	13,748	11,727	17.2%	4,725	3,567	8,568	7,716	124	114	330	331
Illinois	1,574	1,106	42.4%	303	21	1,187	1,005	34	27	50	53
Indiana	2,698	2,514	7.3%	1,070	990	1,466	1,368	15	12	147	144
Michigan	3,128	2,338	33.8%	1,004	534	2,019	1,696	53	51	51	57
Ohio	4,454	4,270	4.3%	576	619	3,842	3,610	16	18	19	23
Wisconsin	1,894	1,500	26.3%	1,772	1,403	53	37	6	6	64	54
West North Central	2,504	2,077	20.5%	2,085	1,781	306	204	25	27	89	65
Iowa	748	508	47.2%	693	462	0	NM	8	8	47	38
Kansas	211	155	36.0%	186	144	0	0	0	0	25	11
Minnesota	724	856	-15.5%	609	782	95	52	9	11	11	12
Missouri	529	402	31.5%	306	238	210	152	8	8	4	3
Nebraska	71	33	114.8%	70	33	0	0	0	0	0	0
North Dakota	110	75	45.4%	108	75	0	0	0	0	1	1
South Dakota	112	47	136.2%	112	47	0	0	0	0	0	0
South Atlantic	31,285	27,963	11.9%	25,942	23,485	4,813	4,032	94	82	437	364
Delaware	271	267	1.7%	0	0	185	182	0	0	87	85
District of Columbia	6	2	268.2%	0	0	0	0	6	2	0	0
Florida	13,472	11,868	13.5%	12,741	11,341	599	408	2	2	131	118
Georgia	4,874	4,054	20.2%	3,887	3,198	928	815	0	0	58	41
Maryland	1,364	1,251	9.0%	451	469	838	705	73	71	3	7
North Carolina	4,007	3,657	9.6%	3,316	2,996	667	643	NM	NM	14	11
South Carolina	1,942	1,695	14.5%	1,889	1,629	37	56	0	0	16	10
Virginia	5,247	5,112	2.6%	3,657	3,842	1,519	1,210	3	1	68	58
West Virginia	103	57	80.4%	1	10	40	14	0	0	62	33
East South Central	11,476	9,427	21.7%	8,381	6,387	2,839	2,811	19	19	236	210
Alabama	4,338	3,845	12.8%	1,391	1,304	2,835	2,442	0	0	111	98
Kentucky	1,039	880	18.1%	1,016	835	2	26	0	0	20	19
Mississippi	4,581	3,434	33.4%	4,541	3,060	0	341	0	0	39	33
Tennessee	1,518	1,269	19.7%	1,432	1,189	2	1	19	19	65	60
West South Central	29,285	25,150	16.4%	9,768	8,471	13,573	11,359	76	78	5,868	5,242
Arkansas	1,152	1,658	-30.5%	1,019	1,522	110	107	NM	NM	20	26
Louisiana	5,697	4,698	21.3%	3,285	2,234	242	296	15	13	2,154	2,155
Oklahoma	3,732	2,953	26.3%	2,228	1,925	1,467	1,001	0	0	36	27
Texas	18,705	15,841	18.1%	3,236	2,790	11,753	9,954	57	63	3,658	3,034
Mountain	9,210	7,825	17.7%	7,372	6,329	1,675	1,334	35	34	128	128
Arizona	3,384	2,541	33.2%	2,503	2,051	870	479	11	11	0	0
Colorado	1,633	1,419	15.1%	1,419	1,177	211	240	1	0	2	2
Idaho	401	266	50.9%	221	200	165	51	3	3	12	12
Montana	28	66	-58.1%	25	36	3	29	0	0	1	NM
Nevada	1,899	1,742	9.0%	1,696	1,531	179	175	5	5	19	31
New Mexico	935	908	3.0%	686	546	242	354	NM	NM	0	0
Utah	827	798	3.7%	785	752	6	6	6	7	29	33
Wyoming	103	85	21.3%	38	35	0	0	0	0	65	50
Pacific Contiguous	8,570	9,286	-7.7%	3,722	3,520	3,966	4,818	123	133	759	816
California	5,912	6,954	-15.0%	2,064	2,380	2,991	3,645	119	128	739	801
Oregon	1,682	1,697	-0.9%	935	683	734	1,004	4	3	10	7
Washington	976	636	53.4%	724	457	241	170	1	2	11	7
Pacific Noncontiguous	262	213	23.3%	259	207	0	0	0	0	4	6
Alaska	262	213	23.3%	259	207	0	0	0	0	4	6
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	126,024	111,005	13.5%	63,018	54,489	54,135	48,354	676	670	8,195	7,492

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

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

by State, by Sector, Year-to-Date through February 2020 and 2019 (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 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
New England	8,616	7,488	15.1%	NM	NM	8,141	7,064	192	184	273	230
Connecticut	3,917	3,144	24.6%	3	6	3,723	2,969	71	68	119	101
Maine	203	287	-29.4%	0	0	121	230	5	5	76	52
Massachusetts	2,786	2,923	-4.7%	NM	NM	2,626	2,771	108	102	45	45
New Hampshire	491	257	91.3%	0	0	485	250	1	2	5	5
Rhode Island	1,219	877	39.1%	0	0	1,186	844	6	5	27	27
Vermont	0	0	1.7%	0	0	0	0	0	0	0	0
Middle Atlantic	32,762	28,226	16.1%	1,573	1,502	30,545	26,085	193	192	451	447
New Jersey	4,829	5,947	-18.8%	NM	NM	4,711	5,854	24	17	78	65
New York	8,158	7,354	10.9%	1,557	1,491	6,340	5,610	147	149	114	105
Pennsylvania	19,775	14,925	32.5%	0	1	19,494	14,621	22	26	259	278
East North Central	29,177	23,930	21.9%	10,131	7,597	18,105	15,420	254	234	688	679
Illinois	3,356	2,317	44.8%	569	61	2,613	2,089	66	56	108	110
Indiana	5,701	5,121	11.3%	2,270	1,964	3,100	2,844	31	25	300	289
Michigan	6,717	5,038	33.3%	2,350	1,339	4,148	3,474	112	106	107	119
Ohio	9,383	8,361	12.2%	1,231	1,347	8,078	6,931	34	37	40	47
Wisconsin	4,021	3,092	30.0%	3,710	2,887	165	82	12	10	133	114
West North Central	5,360	4,017	33.4%	4,453	3,369	698	440	54	54	156	154
Iowa	1,376	1,078	27.6%	1,272	963	0	NM	17	16	87	98
Kansas	378	321	17.9%	343	298	0	0	0	0	35	22
Minnesota	1,755	1,406	24.8%	1,526	1,247	188	112	18	22	23	25
Missouri	1,207	864	39.7%	671	515	510	327	18	15	8	7
Nebraska	161	65	149.4%	160	64	0	0	1	0	0	0
North Dakota	235	155	51.5%	233	153	0	0	0	0	2	2
South Dakota	248	129	92.6%	248	129	0	0	0	0	0	0
South Atlantic	62,618	56,453	10.9%	52,044	47,653	9,471	7,857	199	181	905	762
Delaware	583	488	19.4%	0	0	395	330	0	0	188	158
District of Columbia	11	5	99.5%	0	0	0	0	11	5	0	0
Florida	27,026	24,339	11.0%	25,671	23,361	1,079	718	4	4	272	256
Georgia	9,580	8,359	14.6%	7,634	6,689	1,826	1,577	0	0	120	94
Maryland	2,324	2,338	-0.6%	612	835	1,547	1,335	158	154	7	14
North Carolina	7,927	7,146	10.9%	6,537	5,795	1,338	1,309	21	16	30	26
South Carolina	3,928	3,428	14.6%	3,824	3,307	71	99	0	0	33	21
Virginia	11,037	10,221	8.0%	7,763	7,641	3,130	2,455	5	2	139	123
West Virginia	202	128	57.3%	1	25	84	34	0	0	116	69
East South Central	22,514	19,368	16.2%	15,918	13,101	6,072	5,764	41	38	484	465
Alabama	8,215	7,690	6.8%	2,534	2,700	5,449	4,774	0	0	232	216
Kentucky	2,297	2,106	9.0%	2,238	1,995	16	70	0	0	42	41
Mississippi	8,993	6,982	28.8%	8,309	5,988	604	916	0	0	81	78
Tennessee	3,009	2,590	16.2%	2,837	2,419	3	3	41	38	128	130
West South Central	59,790	54,329	10.1%	20,157	17,387	27,158	25,348	154	159	12,320	11,435
Arkansas	2,722	2,847	-4.4%	2,450	2,560	224	223	NM	NM	42	58
Louisiana	11,416	10,153	12.4%	6,352	4,970	512	601	31	28	4,520	4,554
Oklahoma	7,778	6,291	23.6%	4,629	3,893	3,072	2,335	0	0	77	62
Texas	37,874	35,038	8.1%	6,726	5,964	23,350	22,189	117	125	7,681	6,761
Mountain	18,826	16,084	17.1%	14,753	13,028	3,732	2,726	73	72	269	257
Arizona	6,918	5,461	26.7%	4,888	4,367	2,009	1,071	21	24	0	0
Colorado	3,064	2,730	12.3%	2,679	2,351	376	374	5	1	4	3
Idaho	861	553	55.6%	471	413	356	111	7	6	26	23
Montana	62	115	-46.3%	53	60	8	53	0	0	1	2
Nevada	4,045	3,671	10.2%	3,627	3,251	369	366	10	10	38	43
New Mexico	1,962	1,790	9.6%	1,346	1,035	601	739	16	16	0	0
Utah	1,690	1,599	5.7%	1,601	1,500	12	12	14	15	62	72
Wyoming	224	164	36.5%	87	50	1	0	0	0	137	113
Pacific Contiguous	18,770	19,950	-5.9%	8,022	7,665	8,782	10,282	270	277	1,696	1,726
California	12,698	14,383	-11.7%	4,359	4,832	6,425	7,588	261	266	1,653	1,697
Oregon	3,800	3,732	1.8%	2,033	1,670	1,738	2,040	8	7	21	14
Washington	2,272	1,835	23.8%	1,630	1,162	620	654	1	3	22	15
Pacific Noncontiguous	570	466	22.4%	562	453	0	0	0	0	8	12
Alaska	570	466	22.4%	562	453	0	0	0	0	8	12
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	259,004	230,311	12.5%	127,621	111,768	112,703	100,986	1,429	1,389	17,251	16,169

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

Table 1.7.C. Utility Scale Facility Net Generation from Natural Gas by Technology: Total (All Sectors), 2010-February 2020 (Thousand Megawatthours)

	Natural Gas					
Period	Natural Gas Fired Combined Cycle	Natural Gas Fired Combustion Turbine	Steam Turbine	Internal Combustion Engine	Natural Gas Other	Total
Annual Factors						
2010	804,033	85,820	96,332	1,490	22	987,697
2011	828,554	85,392	97,578	2,125	40	1,013,689
2012	1,017,040	98,446	108,285	1,986	138	1,225,894
2013	947,172	91,272	83,746	2,328	317	1,124,836
2014	958,921	90,159	74,100	2,921	508	1,126,609
2015	1,130,617	108,655	89,796	3,760	654	1,333,482
2016	1,152,245	123,429	98,204	3,714	715	1,378,307
2017	1,094,952	111,732	84,520	4,370	869	1,296,442
2018	1,231,946	132,866	98,017	5,203	901	1,468,932
2019	1,330,364	135,654	109,602	6,043	152	1,581,815
Year 2018						
January	93,426	10,362	6,045	382	61	110,277
February	86,046	8,021	4,015	352	63	98,498
March	90,850	9,834	5,356	395	73	106,509
April	82,423	9,766	5,761	348	62	98,360
May	94,192	10,839	9,763	421	58	115,274
June	108,641	11,513	10,170	424	65	130,813
July	133,649	15,618	14,735	630	92	164,725
August	133,733	14,426	12,809	587	100	161,654
Sept	118,249	12,775	10,195	465	84	141,768
October	102,793	11,156	8,654	428	91	123,122
November	91,899	9,822	5,963	389	76	108,150
December	96,044	8,733	4,551	381	74	109,784
Year 2019						
January	105,687	7,722	5,542	346	10	119,307
February	97,877	7,398	5,327	394	9	111,005
March	98,275	7,716	6,558	387	10	112,945
April	86,329	9,029	7,278	358	12	103,006
May	96,563	10,004	9,267	389	13	116,236
June	115,478	10,748	10,300	455	13	136,994
July	139,491	18,801	15,231	802	16	174,341
August	141,757	18,269	15,578	835	19	176,458
Sept	123,665	13,981	12,455	636	16	150,753
October	109,426	13,292	10,391	543	15	133,667
November	101,265	10,088	5,910	489	9	117,762
December	114,550	8,609	5,764	410	9	129,342
Year 2020						
January	117,472	8,641	6,449	409	9	132,980
February	110,696	8,581	6,335	404	8	126,024

Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary.
The 'Natural Gas Other' category consists of power plants with prime movers of Fuel Cells and Other Prime Movers that consume natural gas.
Totals may not equal sum of components because of independent rounding.
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.

Table 1.8.A. Utility Scale Facility Net Generation from Other Gases by State, by Sector, February 2020 and 2019 (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 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
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	79	66	19.2%	0	0	8	0	0	0	71	66
New Jersey	18	18	1.4%	0	0	0	0	0	0	18	18
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	61	48	25.7%	0	0	8	0	0	0	53	48
East North Central	456	432	5.5%	8	22	197	177	0	0	251	234
Illinois	26	24	7.1%	0	0	0	0	0	0	26	24
Indiana	215	194	10.7%	0	0	0	0	0	0	215	194
Michigan	147	145	1.5%	8	22	138	123	0	0	0	0
Ohio	69	70	-1.4%	0	0	58	54	0	0	11	16
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	4	4	-8.2%	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	-8.2%	0	0	0	0	0	0	4	4
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	19	17	10.8%	0	0	0	0	0	0	19	17
Delaware	14	15	-6.6%	0	0	0	0	0	0	14	15
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	-51.6%	0	0	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	5	2	120.0%	0	0	0	0	0	0	5	2
East South Central	NM	NM	NM	0	0	0	0	0	0	NM	NM
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	1	1	19.9%	0	0	0	0	0	0	1	1
West South Central	478	445	7.3%	0	0	156	153	0	0	322	292
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	227	210	8.1%	0	0	0	0	0	0	227	210
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	251	236	6.6%	0	0	156	153	0	0	95	82
Mountain	33	23	45.4%	0	0	1	1	0	0	32	22
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	35.9%	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	1	-99.9%	0	0	0	0	0	0	0	1
Wyoming	32	21	55.4%	0	0	0	0	0	0	32	21
Pacific Contiguous	162	121	34.5%	0	0	28	24	0	0	134	97
California	134	97	38.5%	0	0	0	0	0	0	134	97
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	28	24	18.1%	0	0	28	24	0	0	0	0
Pacific Noncontiguous	1	1	116.1%	0	0	0	0	0	0	1	1
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	1	1	116.1%	0	0	0	0	0	0	1	1
U.S. Total	1,234	1,110	11.1%	8	22	389	355	0	0	836	734

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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 2020 and 2019 (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 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 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	152	134	13.8%	0	0	8	0	0	0	144	134
New Jersey	38	38	1.6%	0	0	0	0	0	0	38	38
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	114	96	18.5%	0	0	8	0	0	0	106	96
East North Central	906	874	3.6%	8	34	403	363	0	0	494	476
Illinois	38	47	-18.5%	0	0	0	0	0	0	38	47
Indiana	436	401	8.6%	0	0	0	0	0	0	436	401
Michigan	296	290	2.0%	8	34	288	256	0	0	0	0
Ohio	136	136	0.1%	0	0	115	107	0	0	20	28
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	8	8	-5.3%	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	-5.3%	0	0	0	0	0	0	8	8
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	37	32	14.9%	0	0	0	0	0	0	37	32
Delaware	28	28	-1.3%	0	0	0	0	0	0	28	28
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	-21.7%	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	10	4	119.6%	0	0	0	0	0	0	10	4
East South Central	NM	NM	NM	0	0	0	0	0	0	NM	NM
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	2	2	11.3%	0	0	0	0	0	0	2	2
West South Central	980	877	11.7%	0	0	302	309	0	0	678	568
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	482	400	20.6%	0	0	0	0	0	0	482	400
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	498	477	4.3%	0	0	302	309	0	0	196	168
Mountain	68	58	17.3%	0	0	3	2	0	0	66	56
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	3	2	40.0%	0	0	3	2	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	2	-99.9%	0	0	0	0	0	0	0	2
Wyoming	66	54	21.0%	0	0	0	0	0	0	66	54
Pacific Contiguous	288	237	21.4%	0	0	60	49	0	0	228	188
California	228	188	20.8%	0	0	0	0	0	0	228	188
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	60	49	23.5%	0	0	60	49	0	0	0	0
Pacific Noncontiguous	2	1	63.7%	0	0	0	0	0	0	2	1
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	2	1	63.7%	0	0	0	0	0	0	2	1
U.S. Total	2,444	2,225	9.9%	8	34	776	723	0	0	1,660	1,467

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

Table 1.9.A. Utility Scale Facility Net Generation from Nuclear Energy by State, by Sector, February 2020 and 2019 (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 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
New England	2,329	2,700	-13.7%	0	0	2,329	2,700	0	0	0	0
Connecticut	1,461	1,407	3.8%	0	0	1,461	1,407	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	455	-100.0%	0	0	0	455	0	0	0	0
New Hampshire	868	838	3.6%	0	0	868	838	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	12,107	12,813	-5.5%	0	0	12,107	12,813	0	0	0	0
New Jersey	2,360	2,369	-0.4%	0	0	2,360	2,369	0	0	0	0
New York	3,556	3,612	-1.6%	0	0	3,556	3,612	0	0	0	0
Pennsylvania	6,191	6,832	-9.4%	0	0	6,191	6,832	0	0	0	0
East North Central	12,899	12,452	3.6%	2,377	2,291	10,522	10,161	0	0	0	0
Illinois	7,725	7,641	1.1%	0	0	7,725	7,641	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	2,945	2,840	3.7%	2,377	2,291	568	549	0	0	0	0
Ohio	1,391	1,172	18.7%	0	0	1,391	1,172	0	0	0	0
Wisconsin	838	800	4.9%	0	0	838	800	0	0	0	0
West North Central	3,851	3,727	3.3%	3,425	3,316	425	411	0	0	0	0
Iowa	425	411	3.4%	0	0	425	411	0	0	0	0
Kansas	792	824	-3.9%	792	824	0	0	0	0	0	0
Minnesota	1,233	1,142	8.0%	1,233	1,142	0	0	0	0	0	0
Missouri	845	814	3.8%	845	814	0	0	0	0	0	0
Nebraska	555	536	3.6%	555	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	16,261	16,245	0.1%	15,322	15,289	940	956	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	2,268	2,510	-9.6%	2,268	2,510	0	0	0	0	0	0
Georgia	2,272	2,245	1.2%	2,272	2,245	0	0	0	0	0	0
Maryland	940	956	-1.7%	0	0	940	956	0	0	0	0
North Carolina	3,636	3,524	3.2%	3,636	3,524	0	0	0	0	0	0
South Carolina	4,585	4,537	1.0%	4,585	4,537	0	0	0	0	0	0
Virginia	2,561	2,474	3.5%	2,561	2,474	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	7,457	7,179	3.9%	7,457	7,179	0	0	0	0	0	0
Alabama	3,504	3,389	3.4%	3,504	3,389	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	747	803	-7.0%	747	803	0	0	0	0	0	0
Tennessee	3,206	2,988	7.3%	3,206	2,988	0	0	0	0	0	0
West South Central	6,344	5,145	23.3%	2,796	1,714	3,548	3,430	0	0	0	0
Arkansas	1,298	1,244	4.4%	1,298	1,244	0	0	0	0	0	0
Louisiana	1,497	471	218.3%	1,497	471	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3,548	3,430	3.4%	0	0	3,548	3,430	0	0	0	0
Mountain	2,492	2,686	-7.2%	2,492	2,686	0	0	0	0	0	0
Arizona	2,492	2,686	-7.2%	2,492	2,686	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	2,211	1,767	25.1%	2,211	1,767	0	0	0	0	0	0
California	1,486	987	50.6%	1,486	987	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	725	780	-7.0%	725	780	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	65,950	64,715	1.9%	36,079	34,243	29,871	30,472	0	0	0	0

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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 2020 and 2019 (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 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
New England	4,847	5,635	-14.0%	0	0	4,847	5,635	0	0	0	0
Connecticut	3,051	2,964	2.9%	0	0	3,051	2,964	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	906	-100.0%	0	0	0	906	0	0	0	0
New Hampshire	1,796	1,766	1.7%	0	0	1,796	1,766	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	25,724	27,138	-5.2%	0	0	25,724	27,138	0	0	0	0
New Jersey	5,021	5,000	0.4%	0	0	5,021	5,000	0	0	0	0
New York	7,563	7,643	-1.0%	0	0	7,563	7,643	0	0	0	0
Pennsylvania	13,139	14,495	-9.4%	0	0	13,139	14,495	0	0	0	0
East North Central	27,269	26,565	2.7%	4,917	4,799	22,352	21,766	0	0	0	0
Illinois	16,460	16,435	0.1%	0	0	16,460	16,435	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	6,092	5,839	4.3%	4,917	4,799	1,175	1,040	0	0	0	0
Ohio	2,982	2,600	14.7%	0	0	2,982	2,600	0	0	0	0
Wisconsin	1,735	1,691	2.6%	0	0	1,735	1,691	0	0	0	0
West North Central	8,075	7,899	2.2%	7,193	7,039	882	860	0	0	0	0
Iowa	882	860	2.5%	0	0	882	860	0	0	0	0
Kansas	1,703	1,736	-1.9%	1,703	1,736	0	0	0	0	0	0
Minnesota	2,553	2,442	4.6%	2,553	2,442	0	0	0	0	0	0
Missouri	1,782	1,725	3.3%	1,782	1,725	0	0	0	0	0	0
Nebraska	1,154	1,136	1.6%	1,154	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	35,107	35,038	0.2%	32,818	32,729	2,289	2,309	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	5,054	5,294	-4.5%	5,054	5,294	0	0	0	0	0	0
Georgia	5,284	5,308	-0.5%	5,284	5,308	0	0	0	0	0	0
Maryland	2,289	2,309	-0.9%	0	0	2,289	2,309	0	0	0	0
North Carolina	7,565	7,406	2.1%	7,565	7,406	0	0	0	0	0	0
South Carolina	9,604	9,546	0.6%	9,604	9,546	0	0	0	0	0	0
Virginia	5,312	5,174	2.7%	5,312	5,174	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	15,874	15,740	0.9%	15,874	15,740	0	0	0	0	0	0
Alabama	7,499	7,401	1.3%	7,499	7,401	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	1,783	1,854	-3.8%	1,783	1,854	0	0	0	0	0	0
Tennessee	6,592	6,486	1.6%	6,592	6,486	0	0	0	0	0	0
West South Central	13,029	10,438	24.8%	5,769	3,780	7,260	6,659	0	0	0	0
Arkansas	2,684	2,633	1.9%	2,684	2,633	0	0	0	0	0	0
Louisiana	3,085	1,146	169.2%	3,085	1,146	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	7,260	6,659	9.0%	0	0	7,260	6,659	0	0	0	0
Mountain	5,468	5,665	-3.5%	5,468	5,665	0	0	0	0	0	0
Arizona	5,468	5,665	-3.5%	5,468	5,665	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	4,762	4,298	10.8%	4,762	4,298	0	0	0	0	0	0
California	3,176	2,669	19.0%	3,176	2,669	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	1,586	1,629	-2.6%	1,586	1,629	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	140,154	138,416	1.3%	76,800	74,049	63,354	64,367	0	0	0	0

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

Table 1.10.A. Utility Scale Facility Net Generation from Hydroelectric (Conventional) Power by State, by Sector, February 2020 and 2019 (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 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
New England	698	625	11.7%	100	92	588	523	1	1	NM	NM
Connecticut	48	45	6.9%	3	4	45	41	0	0	0	0
Maine	292	263	11.1%	0	0	282	254	0	0	NM	NM
Massachusetts	103	92	11.1%	26	23	76	69	1	1	0	0
New Hampshire	137	118	16.2%	32	29	106	89	0	0	0	0
Rhode Island	1	0	31.8%	0	0	1	0	0	0	0	0
Vermont	117	106	11.0%	39	35	78	70	0	0	0	0
Middle Atlantic	2,896	2,583	12.1%	2,106	1,877	783	700	1	0	7	6
New Jersey	2	3	-2.8%	0	0	2	3	0	0	0	0
New York	2,511	2,235	12.4%	2,094	1,864	410	365	1	0	7	6
Pennsylvania	383	346	10.7%	12	13	371	333	0	0	0	0
East North Central	406	323	25.5%	362	287	NM	27	0	0	NM	9
Illinois	12	9	26.4%	NM	NM	NM	NM	0	0	0	0
Indiana	23	20	17.1%	23	20	0	0	0	0	0	0
Michigan	134	106	26.1%	125	97	NM	NM	0	0	NM	NM
Ohio	30	25	18.5%	25	22	NM	NM	0	0	0	0
Wisconsin	207	163	27.0%	185	145	NM	NM	0	0	NM	8
West North Central	1,294	1,006	28.6%	1,262	982	NM	NM	0	0	7	6
Iowa	83	62	33.3%	82	62	1	1	0	0	0	0
Kansas	3	2	65.4%	0	0	3	2	0	0	0	0
Minnesota	92	71	29.1%	64	49	NM	NM	0	0	7	6
Missouri	101	82	22.9%	101	82	0	0	0	0	0	0
Nebraska	122	95	27.6%	122	95	0	0	0	0	0	0
North Dakota	305	232	31.7%	305	232	0	0	0	0	0	0
South Dakota	588	462	27.3%	588	462	0	0	0	0	0	0
South Atlantic	1,996	1,719	16.1%	1,637	1,351	297	312	1	2	60	54
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	19	19	-1.1%	19	19	0	0	0	0	0	0
Georgia	415	326	27.1%	412	324	NM	NM	0	0	1	0
Maryland	232	250	-7.3%	0	0	232	250	0	0	0	0
North Carolina	680	545	24.8%	673	537	NM	NM	1	2	NM	NM
South Carolina	323	277	16.6%	315	269	NM	NM	0	0	0	0
Virginia	164	154	6.3%	160	149	NM	NM	0	0	0	0
West Virginia	163	147	10.9%	58	52	46	41	0	0	59	54
East South Central	2,413	2,201	9.6%	2,412	2,201	NM	NM	0	0	0	0
Alabama	1,166	1,077	8.3%	1,166	1,077	0	0	0	0	0	0
Kentucky	311	286	8.5%	310	286	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	936	838	11.7%	936	838	0	0	0	0	0	0
West South Central	767	665	15.3%	661	566	106	99	NM	NM	0	0
Arkansas	325	283	14.8%	321	280	NM	NM	0	0	0	0
Louisiana	100	91	9.7%	0	0	100	91	0	0	0	0
Oklahoma	209	179	16.4%	209	179	0	0	0	0	0	0
Texas	133	111	19.5%	131	107	2	4	NM	NM	0	0
Mountain	2,891	2,425	19.2%	2,783	2,338	107	86	0	0	0	0
Arizona	498	449	10.7%	498	449	0	0	0	0	0	0
Colorado	149	129	16.0%	131	114	NM	NM	0	0	0	0
Idaho	950	747	27.1%	878	689	72	58	0	0	0	0
Montana	986	773	27.6%	975	764	NM	NM	0	0	0	0
Nevada	136	186	-27.2%	131	183	NM	NM	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	80	64	24.2%	78	63	1	1	0	0	0	0
Wyoming	81	66	23.1%	81	66	0	0	0	0	0	0
Pacific Contiguous	11,570	10,161	13.9%	11,452	9,991	118	168	NM	NM	0	0
California	1,157	2,275	-49.2%	1,095	2,150	61	123	NM	NM	0	0
Oregon	3,431	2,590	32.5%	3,410	2,573	NM	NM	0	0	0	0
Washington	6,983	5,296	31.9%	6,947	5,267	NM	28	0	0	0	0
Pacific Noncontiguous	146	118	24.0%	127	102	1	1	NM	NM	NM	NM
Alaska	142	114	24.7%	126	102	0	0	NM	NM	0	0
Hawaii	NM	NM	NM	1	0	1	1	0	0	NM	NM
U.S. Total	25,077	21,826	14.9%	22,902	19,786	2,058	1,936	NM	NM	97	87

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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 2020 and 2019 (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 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
New England	1,403	1,400	0.2%	202	206	1,180	1,173	1	1	21	21
Connecticut	98	100	-1.7%	7	10	91	90	0	0	0	0
Maine	594	582	2.1%	0	0	573	561	0	0	21	21
Massachusetts	207	206	0.6%	51	53	155	152	1	1	0	0
New Hampshire	267	275	-3.2%	66	63	201	212	0	0	0	0
Rhode Island	1	1	21.4%	0	0	1	1	0	0	0	0
Vermont	236	236	-0.1%	78	80	159	156	0	0	0	0
Middle Atlantic	5,954	5,586	6.6%	4,360	4,014	1,581	1,559	2	1	11	12
New Jersey	3	6	-43.1%	0	0	3	6	0	0	0	0
New York	5,174	4,815	7.4%	4,336	3,987	825	816	2	1	11	12
Pennsylvania	777	765	1.6%	24	28	753	737	0	0	0	0
East North Central	789	699	12.9%	704	618	63	60	0	0	22	21
Illinois	24	22	10.7%	9	8	15	13	0	0	0	0
Indiana	45	47	-4.2%	45	47	0	0	0	0	0	0
Michigan	260	225	15.6%	242	206	NM	NM	0	0	NM	NM
Ohio	56	60	-5.7%	49	50	NM	NM	0	0	0	0
Wisconsin	404	346	16.7%	360	307	NM	NM	0	0	21	19
West North Central	2,517	2,174	15.8%	2,454	2,121	49	41	0	0	14	12
Iowa	165	136	21.9%	164	134	1	1	0	0	0	0
Kansas	7	5	50.2%	0	0	7	5	0	0	0	0
Minnesota	180	152	18.7%	125	105	41	34	0	0	14	12
Missouri	188	206	-8.7%	188	206	0	0	0	0	0	0
Nebraska	236	201	17.0%	236	201	0	0	0	0	0	0
North Dakota	600	499	20.3%	600	499	0	0	0	0	0	0
South Dakota	1,141	976	16.9%	1,141	976	0	0	0	0	0	0
South Atlantic	3,856	3,996	-3.5%	3,134	3,190	594	683	3	4	125	119
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	40	42	-4.6%	40	42	0	0	0	0	0	0
Georgia	784	786	-0.4%	778	782	NM	NM	0	0	2	1
Maryland	461	548	-15.8%	0	0	461	548	0	0	0	0
North Carolina	1,298	1,302	-0.3%	1,284	1,286	10	11	2	3	NM	NM
South Carolina	622	649	-4.2%	604	632	17	16	1	1	0	0
Virginia	318	343	-7.5%	309	332	NM	11	0	0	0	0
West Virginia	333	324	2.8%	119	116	93	92	0	0	122	116
East South Central	4,924	4,959	-0.7%	4,922	4,957	NM	NM	0	0	0	0
Alabama	2,367	2,414	-1.9%	2,367	2,414	0	0	0	0	0	0
Kentucky	662	680	-2.6%	660	678	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	1,895	1,865	1.6%	1,895	1,865	0	0	0	0	0	0
West South Central	1,469	1,540	-4.6%	1,248	1,325	220	214	NM	NM	0	0
Arkansas	613	650	-5.6%	605	642	9	8	0	0	0	0
Louisiana	207	199	4.3%	0	0	207	199	0	0	0	0
Oklahoma	403	418	-3.5%	403	418	0	0	0	0	0	0
Texas	245	273	-10.2%	240	265	5	8	NM	NM	0	0
Mountain	5,587	5,013	11.4%	5,381	4,833	205	179	1	1	0	0
Arizona	1,007	913	10.2%	1,007	913	0	0	0	0	0	0
Colorado	279	263	5.9%	245	233	NM	30	1	1	0	0
Idaho	1,837	1,575	16.6%	1,699	1,455	138	120	0	0	0	0
Montana	1,911	1,634	17.0%	1,889	1,615	NM	NM	0	0	0	0
Nevada	227	337	-32.8%	217	330	NM	NM	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	152	133	14.0%	149	131	3	3	0	0	0	0
Wyoming	154	137	13.0%	154	137	0	0	0	0	0	0
Pacific Contiguous	22,581	20,424	10.6%	22,324	20,121	256	300	NM	NM	0	0
California	2,797	3,808	-26.6%	2,649	3,599	148	206	NM	NM	0	0
Oregon	6,483	5,424	19.5%	6,444	5,389	NM	34	0	0	0	0
Washington	13,300	11,192	18.8%	13,231	11,132	70	60	0	0	0	0
Pacific Noncontiguous	283	246	15.2%	243	213	5	2	NM	NM	NM	NM
Alaska	272	238	14.4%	241	211	0	0	NM	NM	0	0
Hawaii	11	8	40.1%	2	1	5	2	0	0	NM	NM
U.S. Total	49,363	46,036	7.2%	44,972	41,598	4,156	4,213	38	37	198	189

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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 2020 and 2019 (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 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
New England	962	916	4.9%	63	69	791	749	13	14	94	85
Connecticut	75	72	5.3%	0	0	75	71	NM	NM	NM	NM
Maine	414	415	-0.3%	0	0	318	327	3	4	93	84
Massachusetts	191	159	19.6%	14	10	171	144	5	5	NM	NM
New Hampshire	146	153	-4.7%	1	20	140	129	4	4	0	0
Rhode Island	46	39	18.2%	0	0	45	38	1	1	0	0
Vermont	90	79	14.9%	47	39	43	39	0	0	0	0
Middle Atlantic	1,376	1,135	21.2%	5	4	1,267	1,035	50	43	54	53
New Jersey	151	127	18.2%	5	4	125	105	21	18	NM	NM
New York	663	563	17.8%	0	0	632	534	16	13	15	15
Pennsylvania	562	445	26.2%	0	0	510	396	13	12	39	38
East North Central	3,581	2,895	23.7%	426	290	3,018	2,463	14	17	123	125
Illinois	1,529	1,184	29.1%	9	9	1,519	1,175	NM	NM	0	0
Indiana	667	589	13.3%	36	29	625	554	2	2	5	5
Michigan	816	649	25.7%	258	163	509	422	4	8	45	56
Ohio	277	244	13.4%	NM	NM	246	220	1	1	28	22
Wisconsin	292	229	27.8%	121	89	118	92	6	5	46	42
West North Central	8,928	6,256	42.7%	3,020	2,074	5,833	4,110	15	17	61	55
Iowa	2,883	1,898	51.9%	2,041	1,319	832	572	4	4	5	4
Kansas	1,938	1,531	26.6%	152	139	1,785	1,390	NM	NM	0	0
Minnesota	1,364	1,005	35.7%	257	203	1,048	747	4	5	55	51
Missouri	291	237	23.0%	2	NM	285	230	4	5	0	0
Nebraska	784	547	43.3%	36	28	747	517	1	2	0	0
North Dakota	1,210	811	49.3%	451	317	759	493	NM	NM	NM	NM
South Dakota	458	227	101.8%	81	66	377	161	0	0	0	0
South Atlantic	3,140	2,523	24.5%	600	455	1,693	1,253	31	28	815	786
Delaware	8	7	15.6%	NM	NM	7	6	0	0	NM	1
District of Columbia	6	5	14.6%	0	0	NM	NM	5	4	0	0
Florida	735	619	18.8%	399	284	200	180	4	4	132	152
Georgia	663	466	42.3%	19	16	320	151	NM	NM	324	299
Maryland	102	95	6.9%	NM	NM	98	84	3	3	0	8
North Carolina	791	621	27.5%	35	21	642	498	8	6	107	96
South Carolina	275	238	15.4%	27	41	113	70	0	0	135	128
Virginia	376	333	12.9%	118	93	130	127	11	10	117	104
West Virginia	183	138	32.7%	0	0	183	138	0	0	0	0
East South Central	590	542	8.9%	11	10	84	73	NM	NM	495	459
Alabama	305	299	2.1%	2	NM	24	32	0	0	279	265
Kentucky	37	31	19.3%	9	8	NM	NM	0	0	28	22
Mississippi	142	121	16.9%	0	0	28	17	0	0	114	104
Tennessee	106	90	17.2%	NM	NM	31	22	NM	NM	74	68
West South Central	11,172	9,406	18.8%	146	126	10,673	8,874	7	8	346	397
Arkansas	104	127	-18.6%	NM	NM	19	15	2	0	83	112
Louisiana	171	196	-12.9%	NM	NM	6	6	0	0	165	191
Oklahoma	2,579	2,157	19.6%	121	103	2,432	2,033	0	0	27	22
Texas	8,317	6,925	20.1%	25	23	8,216	6,821	5	8	71	73
Mountain	4,248	3,563	19.2%	526	445	3,639	3,044	51	48	33	26
Arizona	445	342	30.3%	45	37	399	305	NM	NM	0	0
Colorado	1,083	944	14.7%	188	184	892	758	NM	NM	0	0
Idaho	350	270	29.6%	17	13	301	232	1	1	31	24
Montana	245	175	39.5%	24	17	219	157	0	0	2	2
Nevada	707	601	17.7%	3	2	659	555	46	44	0	0
New Mexico	735	660	11.4%	25	14	709	645	NM	NM	0	0
Utah	253	252	0.4%	NM	18	237	232	1	1	0	0
Wyoming	431	319	34.9%	208	160	222	159	0	0	0	0
Pacific Contiguous	6,530	5,406	20.8%	789	531	5,477	4,624	71	68	194	183
California	4,523	4,153	8.9%	149	154	4,256	3,881	67	65	50	53
Oregon	1,027	548	87.4%	148	53	828	453	2	2	50	40
Washington	980	705	38.9%	492	324	393	291	NM	1	94	89
Pacific Noncontiguous	131	112	17.0%	18	17	100	79	13	16	NM	NM
Alaska	19	15	26.3%	10	NM	6	NM	3	3	NM	NM
Hawaii	112	97	15.5%	8	9	94	75	10	13	0	0
U.S. Total	40,658	32,754	24.1%	5,605	4,022	32,573	26,305	265	259	2,215	2,168

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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 2020 and 2019 (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 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
New England	1,914	1,923	-0.5%	132	153	1,565	1,557	25	31	192	181
Connecticut	154	140	10.2%	0	0	152	138	NM	NM	NM	NM
Maine	816	863	-5.4%	0	0	619	673	7	10	191	180
Massachusetts	376	338	11.2%	27	19	338	307	10	11	NM	NM
New Hampshire	298	333	-10.4%	14	49	279	276	5	8	0	0
Rhode Island	93	80	15.7%	0	0	92	79	1	1	0	0
Vermont	177	169	4.4%	92	84	85	85	1	0	0	0
Middle Atlantic	2,694	2,415	11.5%	9	8	2,472	2,203	100	93	114	111
New Jersey	296	269	10.0%	9	8	245	221	42	39	NM	NM
New York	1,286	1,192	7.9%	0	0	1,222	1,131	32	30	31	31
Pennsylvania	1,112	954	16.5%	0	0	1,005	851	25	25	82	79
East North Central	6,933	6,237	11.2%	811	626	5,837	5,305	29	37	256	269
Illinois	2,918	2,535	15.1%	20	18	2,897	2,516	NM	NM	0	0
Indiana	1,314	1,247	5.4%	71	60	1,229	1,173	4	4	10	10
Michigan	1,574	1,414	11.3%	487	352	983	928	8	17	95	117
Ohio	562	543	3.5%	NM	NM	500	491	3	3	56	47
Wisconsin	565	497	13.6%	230	193	227	196	12	13	95	94
West North Central	16,963	13,533	25.3%	5,592	4,552	11,220	8,832	30	34	121	115
Iowa	5,342	4,197	27.3%	3,749	2,921	1,577	1,260	8	8	10	7
Kansas	3,876	3,219	20.4%	307	284	3,567	2,933	NM	NM	0	0
Minnesota	2,532	2,178	16.3%	477	448	1,938	1,614	8	9	110	107
Missouri	563	502	12.1%	5	NM	549	487	9	10	1	0
Nebraska	1,514	1,146	32.1%	68	61	1,443	1,082	3	3	0	0
North Dakota	2,293	1,792	28.0%	833	689	1,458	1,101	NM	NM	NM	NM
South Dakota	843	499	68.9%	154	145	688	354	0	0	0	0
South Atlantic	6,214	5,280	17.7%	1,161	915	3,284	2,652	63	59	1,707	1,655
Delaware	17	15	10.2%	NM	NM	13	11	1	1	NM	2
District of Columbia	12	10	14.7%	0	0	NM	NM	10	9	0	0
Florida	1,473	1,260	16.9%	767	560	396	399	9	9	301	292
Georgia	1,311	993	32.0%	38	35	608	316	NM	NM	665	642
Maryland	202	210	-3.9%	NM	NM	194	184	6	6	0	18
North Carolina	1,528	1,271	20.3%	66	43	1,231	1,020	14	13	216	195
South Carolina	550	490	12.2%	58	74	218	147	0	0	274	269
Virginia	766	725	5.6%	230	201	264	265	22	21	249	237
West Virginia	357	307	16.2%	0	0	357	307	0	0	0	0
East South Central	1,195	1,119	6.9%	22	21	157	149	NM	NM	1,015	948
Alabama	621	615	1.1%	3	3	46	67	0	0	572	545
Kentucky	78	67	16.0%	18	17	1	1	0	0	58	48
Mississippi	283	252	12.3%	0	0	52	38	0	0	231	214
Tennessee	214	185	15.3%	NM	NM	58	43	NM	NM	154	142
West South Central	22,692	19,348	17.3%	300	272	21,668	18,242	12	17	712	816
Arkansas	209	263	-20.6%	NM	NM	35	33	3	1	171	229
Louisiana	351	402	-12.7%	NM	NM	13	12	0	0	338	390
Oklahoma	5,259	4,603	14.3%	248	224	4,956	4,331	0	0	55	48
Texas	16,872	14,079	19.8%	52	48	16,664	13,866	9	16	147	149
Mountain	8,461	7,248	16.7%	1,063	930	7,239	6,163	93	98	66	57
Arizona	830	671	23.6%	83	73	745	597	NM	NM	0	0
Colorado	2,329	1,952	19.3%	422	371	1,904	1,579	3	NM	0	1
Idaho	663	584	13.6%	33	29	568	500	1	2	61	53
Montana	478	406	17.7%	46	38	429	365	0	0	3	3
Nevada	1,368	1,206	13.4%	5	4	1,278	1,112	85	89	0	0
New Mexico	1,497	1,273	17.6%	46	28	1,451	1,245	NM	NM	0	0
Utah	483	460	5.0%	33	38	448	420	2	3	0	0
Wyoming	812	694	17.1%	396	351	417	343	0	0	0	0
Pacific Contiguous	12,509	10,771	16.1%	1,461	1,090	10,494	9,144	144	144	411	392
California	8,749	8,099	8.0%	266	297	8,231	7,552	136	137	115	113
Oregon	1,866	1,157	61.3%	241	102	1,517	962	5	5	103	88
Washington	1,895	1,515	25.1%	953	691	746	630	NM	2	193	191
Pacific Noncontiguous	252	226	11.4%	35	34	185	159	32	33	NM	NM
Alaska	37	32	16.4%	20	16	11	NM	6	6	NM	NM
Hawaii	215	195	10.6%	16	18	174	150	26	27	0	0
U.S. Total	79,828	68,098	17.2%	10,586	8,600	64,121	54,406	528	547	4,594	4,546

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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 2020 and 2019 (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 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
New England	-30	-32	-4.6%	0	0	-30	-32	0	0	0	0
Connecticut	0	-2	-88.7%	0	0	0	-2	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-30	-29	2.2%	0	0	-30	-29	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	-60	-70	-14.8%	-25	-23	-35	-47	0	0	0	0
New Jersey	-8	-8	1.2%	-8	-8	0	0	0	0	0	0
New York	-17	-15	15.1%	-17	-15	0	0	0	0	0	0
Pennsylvania	-35	-47	-27.0%	0	0	-35	-47	0	0	0	0
East North Central	-43	-39	9.7%	-43	-39	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	-43	-39	9.7%	-43	-39	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	41	-92.5%	3	41	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	41	-92.5%	3	41	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	-75	-111	-32.3%	-75	-111	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	49	-3	NM	49	-3	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	-54	-67	-18.3%	-54	-67	0	0	0	0	0	0
Virginia	-70	-42	65.9%	-70	-42	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-51	-45	12.1%	-51	-45	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	-51	-45	12.1%	-51	-45	0	0	0	0	0	0
West South Central	10	-6	-274.5%	10	-6	0	0	0	0	0	0
Arkansas	16	2	629.3%	16	2	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-6	-8	-21.8%	-6	-8	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-9	-40	-77.4%	-9	-40	0	0	0	0	0	0
Arizona	-2	-26	-94.0%	-2	-26	0	0	0	0	0	0
Colorado	-8	-14	-45.6%	-8	-14	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	9	-86	-110.5%	9	-86	0	0	0	0	0	0
California	6	-87	-107.4%	6	-87	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	3	1	217.0%	3	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	-247	-389	-36.5%	-182	-310	-65	-79	0	0	0	0

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

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

by State, by Sector, Year-to-Date through February 2020 and 2019 (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 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
New England	-49	-59	-17.5%	0	0	-49	-59	0	0	0	0
Connecticut	5	7	-34.1%	0	0	5	7	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-54	-67	-19.4%	0	0	-54	-67	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	-151	-149	1.3%	-84	-54	-67	-95	0	0	0	0
New Jersey	-46	-10	351.9%	-46	-10	0	0	0	0	0	0
New York	-38	-44	-14.6%	-38	-44	0	0	0	0	0	0
Pennsylvania	-67	-95	-29.2%	0	0	-67	-95	0	0	0	0
East North Central	-102	-69	48.4%	-102	-69	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	-102	-69	48.4%	-102	-69	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	8	91	-91.1%	8	91	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	8	91	-91.1%	8	91	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	-187	-157	18.9%	-187	-157	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	21	39	-44.5%	21	39	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	-78	-108	-27.8%	-78	-108	0	0	0	0	0	0
Virginia	-131	-88	48.2%	-131	-88	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-104	-95	9.6%	-104	-95	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	-104	-95	9.6%	-104	-95	0	0	0	0	0	0
West South Central	5	-10	-149.6%	5	-10	0	0	0	0	0	0
Arkansas	17	7	145.2%	17	7	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-12	-17	-27.6%	-12	-17	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-22	-76	-70.9%	-22	-76	0	0	0	0	0	0
Arizona	-7	-42	-84.1%	-7	-42	0	0	0	0	0	0
Colorado	-15	-34	-54.2%	-15	-34	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	-51	-187	-73.0%	-51	-187	0	0	0	0	0	0
California	-56	-189	-70.4%	-56	-189	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	5	2	174.4%	5	2	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	-653	-712	-8.3%	-536	-557	-116	-154	0	0	0	0

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

Table 1.13.A. Utility Scale Facility Net Generation from Other Energy Sources by State, by Sector, February 2020 and 2019 (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 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
New England	145	141	2.4%	0	0	131	126	4	5	10	10
Connecticut	43	43	0.3%	0	0	43	43	0	0	0	0
Maine	26	26	2.0%	0	0	13	11	4	5	10	10
Massachusetts	70	68	3.2%	0	0	70	68	0	0	0	0
New Hampshire	5	4	13.6%	0	0	5	4	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	191	192	-0.1%	0	0	149	154	41	36	1	2
New Jersey	44	44	0.9%	0	0	29	29	14	12	1	2
New York	81	76	5.9%	0	0	63	62	17	14	0	0
Pennsylvania	67	72	-7.2%	0	0	56	63	10	9	0	0
East North Central	71	68	4.3%	2	1	7	9	7	12	56	46
Illinois	21	21	-0.6%	0	0	-1	-1	0	0	22	22
Indiana	32	22	48.7%	0	0	0	0	2	2	30	20
Michigan	14	22	-37.5%	0	0	8	10	5	10	1	2
Ohio	1	0	404.3%	0	0	0	0	0	0	1	0
Wisconsin	3	3	-14.2%	2	1	0	0	0	0	NM	NM
West North Central	33	28	18.4%	12	12	14	9	3	NM	5	5
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	0.0%	0	0	0	0	0	0	0	0
Minnesota	28	23	21.2%	7	8	14	9	3	NM	5	4
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	5	4	5.5%	5	4	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	319	349	-8.6%	0	0	200	207	12	11	107	132
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	224	240	-6.5%	0	0	146	139	0	0	79	100
Georgia	7	8	-3.3%	0	0	0	0	0	0	7	8
Maryland	0	11	-97.5%	0	0	0	11	0	0	0	0
North Carolina	42	46	-8.1%	0	0	25	26	0	0	18	20
South Carolina	4	4	1.8%	0	0	0	0	0	0	4	3
Virginia	43	42	1.5%	0	0	30	31	12	11	0	0
West Virginia	-1	-1	144.2%	0	0	-1	-1	0	0	0	0
East South Central	10	2	426.3%	9	1	0	0	0	0	NM	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	9	1	529.7%	9	1	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	NM	0	NM	0	0	0	0	0	0	NM	0
West South Central	59	86	-30.9%	0	0	-2	4	0	0	61	81
Arkansas	1	0	160.0%	0	0	0	0	0	0	1	0
Louisiana	28	43	-34.2%	0	0	0	0	0	0	28	43
Oklahoma	0	0	6.6%	0	0	0	0	0	0	0	0
Texas	30	42	-29.8%	0	0	-2	4	0	0	31	38
Mountain	60	50	19.4%	8	7	26	21	0	0	27	22
Arizona	0	0	-1.2%	0	0	0	0	0	0	0	0
Colorado	5	4	35.3%	0	0	1	0	0	0	3	3
Idaho	6	6	11.6%	0	0	0	0	0	0	6	6
Montana	25	21	17.6%	0	0	25	21	0	0	0	0
Nevada	3	2	13.9%	3	2	0	0	0	0	0	0
New Mexico	0	0	18.9%	0	0	0	0	0	0	0	0
Utah	15	12	21.0%	5	5	0	0	0	0	10	7
Wyoming	7	6	21.4%	0	0	0	0	0	0	7	6
Pacific Contiguous	52	58	-10.4%	-1	-1	22	16	0	0	31	44
California	43	54	-20.3%	-1	-1	13	11	0	0	31	44
Oregon	4	0	NM	0	0	4	0	0	0	0	0
Washington	6	5	20.7%	0	0	6	5	0	0	0	0
Pacific Noncontiguous	24	27	-10.6%	12	12	0	0	12	16	0	0
Alaska	0	0	-14.0%	0	0	0	0	0	0	0	0
Hawaii	25	28	-10.7%	12	12	0	0	12	16	0	0
U.S. Total	966	1,002	-3.6%	41	33	547	547	79	80	298	343

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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 2020 and 2019 (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 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
New England	308	294	4.8%	0	0	280	262	8	12	20	20
Connecticut	93	78	18.4%	0	0	93	78	0	0	0	0
Maine	53	55	-4.2%	0	0	24	23	8	12	20	20
Massachusetts	154	152	1.5%	0	0	154	152	0	0	0	0
New Hampshire	9	9	-2.6%	0	0	9	9	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	410	419	-2.2%	0	0	319	332	84	79	7	8
New Jersey	101	102	-0.9%	0	0	66	66	28	27	7	8
New York	162	154	4.8%	0	0	127	122	35	32	0	0
Pennsylvania	147	163	-9.8%	0	0	126	143	21	20	0	0
East North Central	145	150	-2.9%	3	3	14	19	14	24	114	104
Illinois	41	44	-7.4%	0	0	-3	-2	0	0	44	46
Indiana	68	52	29.8%	0	0	0	0	4	4	64	48
Michigan	28	46	-37.9%	0	0	16	21	10	20	2	4
Ohio	1	0	243.8%	0	0	0	0	0	0	1	1
Wisconsin	7	7	-2.8%	4	3	0	0	0	0	NM	4
West North Central	64	70	-7.9%	24	33	25	24	6	NM	10	10
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	1	1	0.2%	0	0	0	0	0	0	1	1
Minnesota	54	59	-9.0%	15	23	25	24	6	NM	9	9
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	9	9	-2.0%	9	9	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	656	772	-15.1%	0	0	419	442	25	24	212	307
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	442	536	-17.6%	0	0	290	294	0	0	152	242
Georgia	16	16	-0.3%	0	0	0	0	0	0	16	16
Maryland	11	32	-66.2%	0	0	11	32	0	0	0	0
North Carolina	90	91	-1.3%	0	0	53	50	0	0	37	41
South Carolina	8	9	-3.1%	0	0	1	1	0	0	7	8
Virginia	91	89	2.6%	0	0	66	65	25	24	0	0
West Virginia	-2	-1	114.9%	0	0	-2	-1	0	0	0	0
East South Central	16	7	131.7%	14	6	0	0	0	0	NM	1
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	14	6	148.5%	14	6	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	NM	1	NM	0	0	0	0	0	0	NM	1
West South Central	141	187	-24.2%	0	0	5	13	0	0	137	173
Arkansas	2	0	286.7%	0	0	0	0	0	0	2	0
Louisiana	67	91	-25.9%	0	0	0	0	0	0	67	91
Oklahoma	1	1	-58.8%	0	0	0	1	0	0	1	0
Texas	72	94	-23.5%	0	0	5	13	0	0	67	82
Mountain	122	107	13.9%	16	12	49	48	0	0	57	47
Arizona	-1	-1	24.6%	0	0	-1	-1	0	0	0	0
Colorado	11	7	46.5%	0	0	4	0	0	0	7	7
Idaho	13	12	5.7%	0	0	0	0	0	0	13	12
Montana	47	48	-3.9%	0	0	47	48	0	0	0	0
Nevada	6	2	131.2%	6	2	0	0	0	0	0	0
New Mexico	0	0	-45.5%	0	0	0	0	0	0	0	0
Utah	34	25	35.5%	10	10	0	0	0	0	23	15
Wyoming	14	13	5.2%	0	0	0	0	0	0	14	13
Pacific Contiguous	128	133	-4.0%	-2	-3	48	35	0	0	82	101
California	109	122	-10.8%	-2	-3	29	24	0	0	82	101
Oregon	7	0	NM	0	0	7	0	0	0	0	0
Washington	12	11	3.6%	0	0	12	11	0	0	0	0
Pacific Noncontiguous	59	58	2.0%	28	25	0	0	31	33	0	0
Alaska	0	-1	-7.0%	0	-1	0	0	0	0	0	0
Hawaii	60	59	1.9%	29	25	0	0	31	33	0	0
U.S. Total	2,050	2,197	-6.7%	83	75	1,158	1,176	169	174	640	771

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

Table 1.14.A. Utility Scale Facility Net Generation from Wind by State, by Sector, February 2020 and 2019 (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 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
New England	367	308	19.3%	24	17	340	287	3	3	NM	NM
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	234	213	10.1%	0	0	234	213	0	0	0	0
Massachusetts	25	17	41.5%	6	NM	16	NM	2	2	NM	NM
New Hampshire	50	30	65.8%	0	0	50	30	0	0	0	0
Rhode Island	20	18	11.1%	0	0	20	18	1	1	0	0
Vermont	36	28	30.4%	18	NM	19	15	0	0	0	0
Middle Atlantic	831	661	25.7%	0	0	831	661	NM	NM	NM	NM
New Jersey	2	NM	NM	0	0	2	NM	0	0	0	0
New York	445	388	14.8%	0	0	444	387	NM	NM	NM	NM
Pennsylvania	384	272	41.2%	0	0	384	272	0	0	0	0
East North Central	3,099	2,432	27.4%	351	224	2,737	2,200	3	NM	8	NM
Illinois	1,491	1,149	29.8%	NM	NM	1,490	1,147	NM	NM	0	0
Indiana	609	540	12.9%	0	0	609	540	0	0	0	0
Michigan	622	436	42.5%	253	157	369	279	0	0	0	0
Ohio	197	182	8.0%	NM	NM	188	175	0	0	7	NM
Wisconsin	180	125	43.8%	95	65	82	58	NM	NM	1	1
West North Central	8,651	6,040	43.2%	2,994	2,048	5,653	3,989	5	NM	0	0
Iowa	2,863	1,881	52.2%	2,040	1,317	822	563	0	0	0	0
Kansas	1,931	1,526	26.6%	152	139	1,778	1,385	NM	NM	0	0
Minnesota	1,139	837	36.0%	241	186	895	650	3	NM	0	0
Missouri	275	221	24.4%	0	0	275	221	0	0	0	0
Nebraska	774	538	43.9%	29	22	745	516	0	0	0	0
North Dakota	1,210	810	49.3%	451	317	759	493	NM	NM	0	0
South Dakota	458	227	101.8%	81	66	377	161	0	0	0	0
South Atlantic	296	230	28.5%	0	0	295	230	0	0	0	0
Delaware	0	0	5.2%	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	57	45	27.5%	0	0	57	45	0	0	0	0
North Carolina	55	47	17.2%	0	0	55	47	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	183	138	32.7%	0	0	183	138	0	0	0	0
East South Central	5	NM	NM	0	0	5	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	5	NM	NM	0	0	5	NM	0	0	0	0
West South Central	10,359	8,715	18.9%	141	122	10,213	8,587	5	5	NM	NM
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	2,547	2,131	19.5%	117	100	2,430	2,031	0	0	0	0
Texas	7,812	6,584	18.7%	24	23	7,783	6,556	5	5	NM	NM
Mountain	2,668	2,304	15.8%	436	373	2,232	1,930	NM	NM	0	0
Arizona	45	48	-7.0%	0	0	45	48	0	0	0	0
Colorado	982	866	13.4%	188	184	794	682	0	NM	0	0
Idaho	270	204	32.2%	16	NM	254	192	0	0	0	0
Montana	241	172	40.0%	24	17	217	155	0	0	0	0
Nevada	26	28	-5.9%	0	0	26	28	0	0	0	0
New Mexico	621	580	7.2%	0	0	621	579	NM	NM	0	0
Utah	65	96	-32.3%	0	0	65	96	0	0	0	0
Wyoming	418	310	34.7%	208	160	209	150	0	0	0	0
Pacific Contiguous	2,892	2,246	28.8%	666	402	2,225	1,843	1	1	0	0
California	1,179	1,243	-5.2%	59	61	1,119	1,182	1	1	0	0
Oregon	868	429	102.4%	143	49	725	380	0	0	0	0
Washington	845	574	47.4%	465	293	381	281	0	0	0	0
Pacific Noncontiguous	66	61	8.5%	10	NM	55	53	0	0	0	0
Alaska	16	NM	NM	10	NM	6	NM	0	0	0	0
Hawaii	50	49	2.0%	0	0	50	49	0	0	0	0
U.S. Total	29,235	23,000	27.1%	4,622	3,194	24,586	19,783	16	15	10	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 2020 and 2019 (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 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
New England	706	641	10.1%	46	38	654	596	6	7	NM	NM
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	445	433	2.8%	0	0	445	433	0	0	0	0
Massachusetts	48	38	26.1%	12	NM	30	22	5	5	NM	NM
New Hampshire	97	65	50.2%	0	0	97	65	0	0	0	0
Rhode Island	42	42	1.7%	0	0	41	40	1	1	0	0
Vermont	71	62	14.9%	34	28	37	34	0	0	0	0
Middle Atlantic	1,601	1,426	12.2%	0	0	1,600	1,425	NM	NM	NM	NM
New Jersey	4	NM	NM	0	0	4	NM	0	0	0	0
New York	858	829	3.6%	0	0	857	828	NM	NM	NM	NM
Pennsylvania	738	594	24.3%	0	0	738	594	0	0	0	0
East North Central	5,955	5,254	13.3%	663	485	5,270	4,751	6	NM	15	NM
Illinois	2,840	2,461	15.4%	NM	NM	2,836	2,458	NM	NM	0	0
Indiana	1,200	1,145	4.8%	0	0	1,200	1,145	0	0	0	0
Michigan	1,177	966	21.8%	479	342	698	624	0	0	0	0
Ohio	402	413	-2.7%	NM	NM	385	399	1	1	14	NM
Wisconsin	337	268	25.7%	180	139	151	125	4	NM	2	1
West North Central	16,437	13,078	25.7%	5,539	4,493	10,889	8,577	9	NM	0	0
Iowa	5,303	4,160	27.5%	3,745	2,919	1,557	1,241	1	1	0	0
Kansas	3,864	3,208	20.4%	306	283	3,555	2,922	NM	NM	0	0
Minnesota	2,110	1,822	15.8%	445	408	1,660	1,410	5	NM	0	0
Missouri	531	471	12.7%	0	0	531	471	0	0	0	0
Nebraska	1,495	1,128	32.5%	55	49	1,440	1,079	0	0	0	0
North Dakota	2,292	1,791	28.0%	833	689	1,458	1,101	NM	NM	0	0
South Dakota	842	499	68.9%	154	145	688	353	0	0	0	0
South Atlantic	582	506	14.9%	0	0	581	505	1	1	0	0
Delaware	1	1	-3.7%	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	109	98	10.8%	0	0	109	98	0	0	0	0
North Carolina	116	101	15.2%	0	0	116	101	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	357	307	16.2%	0	0	357	307	0	0	0	0
East South Central	9	NM	NM	0	0	9	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	9	NM	NM	0	0	9	NM	0	0	0	0
West South Central	21,127	17,936	17.8%	290	265	20,827	17,660	9	9	NM	NM
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	5,193	4,546	14.2%	240	218	4,953	4,328	0	0	0	0
Texas	15,934	13,390	19.0%	49	47	15,874	13,332	9	9	NM	NM
Mountain	5,493	4,729	16.2%	893	785	4,599	3,942	NM	NM	0	1
Arizona	92	87	6.5%	0	0	92	87	0	0	0	0
Colorado	2,143	1,800	19.1%	421	370	1,722	1,429	NM	NM	0	1
Idaho	513	445	15.3%	31	27	482	418	0	0	0	0
Montana	471	400	17.8%	46	38	425	362	0	0	0	0
Nevada	54	51	6.3%	0	0	54	51	0	0	0	0
New Mexico	1,300	1,118	16.3%	0	0	1,299	1,117	NM	NM	0	0
Utah	129	153	-15.6%	0	0	129	153	0	0	0	0
Wyoming	792	678	16.8%	396	351	396	327	0	0	0	0
Pacific Contiguous	5,595	4,423	26.5%	1,226	820	4,368	3,602	1	1	1	1
California	2,415	2,287	5.6%	97	102	2,317	2,184	1	1	1	1
Oregon	1,560	903	72.9%	232	93	1,329	810	0	0	0	0
Washington	1,620	1,233	31.3%	898	626	722	608	0	0	0	0
Pacific Noncontiguous	132	123	8.0%	20	16	113	106	0	0	0	0
Alaska	30	25	18.7%	20	16	11	NM	0	0	0	0
Hawaii	102	97	5.2%	0	0	102	97	0	0	0	0
U.S. Total	57,638	48,122	19.8%	8,676	6,901	48,910	41,172	33	32	20	17

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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 2020 and 2019 (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 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
New England	472	524	-9.9%	26	44	343	385	10	10	93	84
Connecticut	58	61	-4.4%	0	0	58	61	0	0	0	0
Maine	179	202	-11.3%	0	0	83	114	3	4	93	84
Massachusetts	81	80	1.2%	0	0	79	78	2	2	0	0
New Hampshire	95	122	-22.1%	1	20	90	99	4	4	0	0
Rhode Island	18	17	6.4%	0	0	18	17	0	0	0	0
Vermont	41	42	-2.8%	25	24	15	17	0	0	0	0
Middle Atlantic	384	378	1.6%	0	0	292	292	40	35	52	52
New Jersey	62	65	-4.4%	0	0	50	54	12	11	0	0
New York	154	145	6.5%	0	0	125	118	15	12	14	14
Pennsylvania	168	168	-0.2%	0	0	118	120	12	11	38	37
East North Central	409	423	-3.2%	57	53	228	237	10	14	115	119
Illinois	34	32	4.0%	8	8	25	25	0	0	0	0
Indiana	33	32	3.1%	22	22	4	4	2	2	5	5
Michigan	184	203	-9.5%	0	0	135	139	4	8	45	56
Ohio	52	54	-4.0%	0	0	31	37	1	1	20	17
Wisconsin	107	101	5.7%	26	24	32	33	4	3	45	41
West North Central	147	141	4.6%	25	25	51	47	10	13	61	55
Iowa	19	17	8.7%	NM	NM	9	9	3	3	5	4
Kansas	5	NM	NM	0	0	5	NM	0	0	0	0
Minnesota	107	102	5.2%	16	17	35	31	NM	3	55	51
Missouri	9	10	-8.6%	NM	NM	3	NM	4	5	0	0
Nebraska	7	7	0.7%	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	1,513	1,450	4.4%	154	186	523	458	21	20	815	786
Delaware	4	4	2.2%	0	0	3	NM	0	0	NM	1
District of Columbia	5	4	9.7%	0	0	0	0	5	4	0	0
Florida	339	371	-8.7%	43	63	161	153	3	3	132	152
Georgia	449	364	23.3%	0	0	125	65	0	0	324	299
Maryland	7	24	-69.5%	0	0	6	14	2	2	0	8
North Carolina	213	189	12.3%	0	0	105	93	NM	NM	107	96
South Carolina	193	203	-5.3%	26	41	32	35	0	0	135	127
Virginia	304	290	4.9%	85	82	92	95	11	10	117	104
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	511	486	5.2%	7	7	10	21	0	0	495	458
Alabama	282	279	1.0%	0	0	3	14	0	0	279	265
Kentucky	35	29	19.9%	7	7	0	NM	0	0	28	22
Mississippi	115	105	9.6%	0	0	NM	NM	0	0	114	104
Tennessee	79	73	8.8%	0	0	6	5	0	0	74	67
West South Central	400	442	-9.5%	0	0	55	43	0	3	345	396
Arkansas	90	118	-23.8%	0	0	7	6	0	0	83	112
Louisiana	171	196	-12.9%	0	0	6	6	0	0	165	191
Oklahoma	28	23	22.3%	0	0	NM	NM	0	0	27	22
Texas	110	104	6.0%	0	0	40	30	0	3	70	71
Mountain	85	79	6.9%	NM	NM	49	51	2	2	32	25
Arizona	18	20	-9.8%	0	0	18	20	0	0	0	0
Colorado	14	12	17.1%	0	0	14	12	0	0	0	0
Idaho	40	34	17.6%	NM	NM	7	8	1	1	31	24
Montana	2	2	5.0%	0	0	0	0	0	0	2	2
Nevada	4	NM	NM	0	0	4	NM	0	0	0	0
New Mexico	1	2	-45.9%	0	0	1	2	0	0	0	0
Utah	6	6	-1.5%	0	0	5	NM	1	1	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	674	670	0.6%	37	42	386	389	59	59	191	181
California	454	465	-2.4%	6	7	345	352	56	55	48	51
Oregon	89	76	16.7%	4	NM	32	29	2	2	50	40
Washington	131	129	1.7%	27	31	9	8	NM	1	94	89
Pacific Noncontiguous	19	26	-27.1%	2	6	4	NM	13	16	NM	NM
Alaska	3	4	-4.6%	0	0	0	0	3	3	NM	NM
Hawaii	16	23	-30.5%	2	6	4	NM	10	13	0	0
U.S. Total	4,615	4,619	-0.1%	309	364	1,941	1,928	166	172	2,199	2,155

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

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

by State, by Sector, Year-to-Date through February 2020 and 2019 (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 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
New England	986	1,110	-11.2%	63	101	715	806	17	23	191	180
Connecticut	123	118	3.9%	0	0	123	118	0	0	0	0
Maine	370	428	-13.7%	0	0	172	239	7	10	191	180
Massachusetts	174	174	-0.4%	0	0	170	170	4	5	0	0
New Hampshire	201	268	-25.1%	14	49	182	211	5	8	0	0
Rhode Island	37	32	16.9%	0	0	37	32	0	0	0	0
Vermont	82	89	-8.9%	49	52	32	37	1	0	0	0
Middle Atlantic	804	795	1.1%	0	0	613	611	81	76	110	108
New Jersey	134	140	-4.8%	0	0	108	116	26	24	0	0
New York	312	303	2.8%	0	0	252	246	30	27	30	30
Pennsylvania	358	351	2.0%	0	0	252	249	25	24	81	78
East North Central	849	903	-5.9%	114	115	474	501	21	31	240	255
Illinois	71	68	4.4%	17	16	54	52	0	0	0	0
Indiana	69	67	2.2%	47	45	8	8	4	3	10	10
Michigan	379	429	-11.7%	0	0	276	296	8	16	95	117
Ohio	112	114	-1.5%	0	0	69	78	1	1	42	35
Wisconsin	219	225	-2.7%	50	54	68	68	8	9	93	93
West North Central	298	302	-1.2%	50	57	106	103	21	26	121	115
Iowa	37	36	3.2%	2	NM	18	19	7	8	10	7
Kansas	10	10	3.0%	0	0	10	10	0	0	0	0
Minnesota	216	220	-2.0%	31	40	71	68	3	5	110	107
Missouri	20	20	-1.6%	4	NM	6	6	9	10	1	0
Nebraska	14	15	-3.6%	12	12	0	0	3	3	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	3,149	3,082	2.2%	317	390	1,082	996	44	43	1,706	1,654
Delaware	9	8	3.2%	0	0	7	7	0	0	NM	2
District of Columbia	10	9	11.5%	0	0	0	0	10	9	0	0
Florida	722	776	-7.0%	92	136	322	342	7	7	301	291
Georgia	924	779	18.5%	0	0	259	137	0	0	665	642
Maryland	24	59	-59.9%	0	0	20	37	4	4	0	18
North Carolina	433	396	9.3%	0	0	216	200	NM	1	216	195
South Carolina	396	417	-5.0%	57	74	66	74	0	0	273	269
Virginia	631	637	-0.9%	168	180	193	199	22	21	249	237
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	1,049	1,005	4.4%	14	14	21	44	0	0	1,014	948
Alabama	578	574	0.6%	0	0	6	29	0	0	572	545
Kentucky	73	63	16.7%	14	14	1	1	0	0	58	48
Mississippi	233	216	7.8%	0	0	2	NM	0	0	231	214
Tennessee	165	152	8.6%	0	0	12	11	0	0	154	141
West South Central	814	913	-10.9%	0	0	103	92	1	7	710	814
Arkansas	185	243	-24.0%	0	0	13	13	1	1	171	229
Louisiana	351	402	-12.7%	0	0	13	12	0	0	338	390
Oklahoma	59	51	15.8%	0	0	3	NM	0	0	55	48
Texas	219	217	1.2%	0	0	74	63	0	6	145	148
Mountain	172	171	0.7%	2	NM	102	108	3	4	64	57
Arizona	38	43	-12.5%	0	0	38	43	0	0	0	0
Colorado	29	26	14.0%	0	0	29	26	0	0	0	0
Idaho	79	75	4.8%	2	NM	15	18	1	2	61	53
Montana	3	3	1.0%	0	0	0	0	0	0	3	3
Nevada	9	8	6.7%	0	0	9	8	0	0	0	0
New Mexico	2	3	-29.7%	0	0	2	3	0	0	0	0
Utah	12	12	-2.1%	0	0	10	10	2	3	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,406	1,430	-1.6%	76	88	801	828	123	125	407	388
California	954	987	-3.3%	11	14	717	747	116	118	111	109
Oregon	182	165	10.2%	9	9	65	63	5	5	103	88
Washington	270	277	-2.6%	56	65	19	18	NM	2	193	191
Pacific Noncontiguous	45	54	-16.2%	4	12	8	8	32	33	NM	NM
Alaska	7	6	7.0%	0	0	0	0	6	6	NM	NM
Hawaii	38	47	-19.3%	4	12	8	8	26	27	0	0
U.S. Total	9,572	9,765	-2.0%	640	779	4,025	4,097	342	368	4,565	4,521

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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 2020 and 2019 (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 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
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	321	352	-8.9%	NM	18	264	294	42	41	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	NM	6	NM	0	0	NM	6	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	284	307	-7.5%	0	0	242	266	42	41	0	0
New Mexico	7	6	19.9%	0	0	7	6	0	0	0	0
Utah	NM	34	NM	NM	18	NM	16	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	821	945	-13.1%	53	60	768	884	0	0	0	0
California	812	933	-13.0%	53	60	759	873	0	0	0	0
Oregon	NM	12	NM	0	0	NM	12	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	NM	11	NM	0	0	NM	11	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	NM	11	NM	0	0	NM	11	0	0	0	0
U.S. Total	1,156	1,308	-11.6%	68	78	1,046	1,189	42	41	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 2020 and 2019 (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 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 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	684	737	-7.2%	33	38	573	616	78	83	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	NM	12	NM	0	0	NM	12	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	598	642	-6.8%	0	0	520	559	78	83	0	0
New Mexico	10	11	-8.0%	0	0	10	11	0	0	0	0
Utah	65	72	-9.8%	33	38	32	34	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,711	1,971	-13.2%	99	128	1,611	1,843	0	0	0	0
California	1,689	1,946	-13.2%	99	128	1,589	1,818	0	0	0	0
Oregon	NM	24	NM	0	0	NM	24	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	17	22	-25.7%	0	0	17	22	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	17	22	-25.7%	0	0	17	22	0	0	0	0
U.S. Total	2,411	2,730	-11.7%	132	166	2,201	2,481	78	83	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 2020 and 2019 (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 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
New England	375	290	29.3%	122	85	252	205	13	7	108	76	NM	NM	NM	NM	139	113	NM	NM	NM	NM	12	9	101	83
Connecticut	63	47	33.8%	16	10	47	37	0	0	15	9	NM	NM	NM	NM	18	15	NM	NM	NM	NM	3	2	26	21
Maine	NM	5	NM	NM	NM	6	4	0	0	NM	NM	2	2	0	0	2	2	0	0	0	0	0	0	4	3
Massachusetts	243	198	23.1%	85	62	158	136	8	5	76	56	NM	NM	NM	NM	96	85	NM	NM	NM	NM	8	6	54	45
New Hampshire	10	8	29.8%	0	0	10	8	0	0	0	0	3	2	0	0	3	2	1	1	0	0	1	1	6	5
Rhode Island	28	14	101.4%	7	3	21	10	0	0	7	3	15	7	0	0	15	7	0	0	0	0	0	0	5	4
Vermont	24	18	31.0%	13	9	10	9	4	NM	9	7	4	3	0	0	4	3	0	0	0	0	0	0	6	6
Middle Atlantic	507	375	35.2%	160	96	347	279	5	4	144	83	174	134	10	8	164	126	NM	NM	NM	NM	20	15	163	139
New Jersey	254	202	25.9%	86	61	167	141	5	4	73	50	89	76	9	7	81	69	NM	NM	NM	NM	14	10	72	62
New York	208	141	47.5%	64	31	143	110	0	0	63	29	NM	NM	NM	NM	71	47	NM	NM	NM	NM	1	1	71	62
Pennsylvania	46	33	39.0%	9	4	37	29	0	0	9	4	NM	NM	NM	NM	12	10	NM	NM	NM	NM	4	4	20	15
East North Central	119	77	54.6%	57	41	61	36	19	14	37	26	NM	NM	NM	NM	30	22	3	2	0	0	3	2	28	13
Illinois	26	12	117.2%	4	3	21	9	0	NM	4	3	NM	NM	NM	NM	11	5	NM	NM	0	0	NM	NM	10	3
Indiana	35	25	40.8%	25	17	10	7	13	7	12	10	NM	NM	NM	NM	5	5	0	0	0	0	0	0	5	2
Michigan	19	15	22.4%	10	10	9	5	5	6	5	4	NM	NM	NM	NM	4	3	NM	0	0	0	NM	0	5	3
Ohio	26	18	50.6%	13	8	14	10	NM	NM	12	7	NM	NM	NM	NM	7	7	2	1	0	0	2	0	5	3
Wisconsin	13	7	76.9%	5	NM	8	5	0	0	5	NM	NM	NM	NM	NM	3	2	1	1	0	0	1	1	4	2
West North Central	177	109	62.4%	130	74	47	34	NM	NM	129	73	21	16	0	0	21	16	2	1	0	0	2	1	23	17
Iowa	NM	10	NM	NM	NM	12	9	NM	NM	NM	NM	7	6	0	0	7	6	0	0	0	0	0	0	4	3
Kansas	NM	3	NM	NM	NM	3	2	NM	NM	NM	NM	1	1	0	0	1	1	0	0	0	0	0	0	2	1
Minnesota	125	71	75.4%	118	66	7	5	NM	NM	118	66	2	2	0	0	2	2	1	1	0	0	1	1	4	3
Missouri	30	22	34.3%	7	6	23	17	0	0	7	5	11	8	0	0	11	8	0	0	0	0	0	0	12	9
Nebraska	4	3	37.7%	2	NM	1	1	NM	NM	2	NM	0	0	0	0	0	0	0	0	0	0	0	0	1	1
North Dakota	0	0	23.9%	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	1,565	1,018	53.7%	1,329	840	236	178	444	266	875	566	65	57	10	8	55	49	NM	NM	NM	NM	26	23	155	106
Delaware	13	10	20.1%	4	3	9	8	NM	NM	3	2	3	2	0	0	3	2	1	1	0	0	1	1	6	5
District of Columbia	NM	6	NM	NM	NM	8	5	0	0	NM	NM	4	3	0	0	4	3	0	0	0	0	0	0	4	3
Florida	464	287	61.8%	395	245	70	42	355	218	39	27	NM	NM	NM	NM	11	9	NM	NM	NM	NM	1	1	58	32
Georgia	NM	123	NM	214	102	NM	21	19	16	194	86	NM	NM	NM	NM	3	3	NM	NM	0	0	NM	NM	NM	1
Maryland	101	83	22.2%	38	27	64	56	NM	NM	36	25	NM	NM	NM	NM	17	17	3	2	0	0	3	2	44	37
North Carolina	548	402	36.1%	524	385	24	18	35	21	482	358	15	14	7	6	8	9	1	1	0	0	1	1	14	8
South Carolina	108	55	95.2%	82	35	25	20	NM	NM	81	35	5	5	0	0	5	5	NM	NM	NM	NM	3	2	17	13
Virginia	84	51	66.2%	72	43	13	8	33	11	38	32	NM	2	NM	0	4	2	0	0	0	0	0	0	9	6
West Virginia	1	1	33.2%	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	86	63	35.9%	74	53	12	10	4	4	69	49	NM	NM	NM	NM	7	7	NM	NM	NM	NM	0	0	4	3
Alabama	NM	21	NM	23	20	NM	NM	2	NM	21	18	NM	NM	0	0	NM	NM	0	0	0	0	0	0	NM	NM
Kentucky	5	4	24.7%	2	2	3	2	2	2	NM	NM	2	1	0	0	2	1	0	0	0	0	0	0	2	1
Mississippi	28	17	61.5%	27	17	1	1	0	0	27	17	1	0	0	0	1	0	NM	NM	0	0	NM	NM	0	0
Tennessee	28	21	36.0%	22	15	6	6	NM	NM	21	14	NM	NM	NM	NM	4	4	NM	NM	NM	NM	NM	NM	2	2
West South Central	518	325	59.3%	412	248	106	77	6	4	405	244	22	17	2	0	20	17	1	0	0	0	1	0	85	59
Arkansas	17	11	52.7%	13	9	3	2	NM	NM	12	9	2	1	1	0	1	1	0	0	0	0	0	0	2	1
Louisiana	NM	16	NM	NM	NM	17	16	NM	NM	0	0	1	1	0	0	1	1	0	0	0	0	0	0	16	14
Oklahoma	6	4	28.3%	4	3	2	1	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Texas	478	294	62.8%	395	236	84	58	NM	NM	393	235	NM	15	NM	0	18	15	NM	0	0	0	NM	0	66	43
Mountain	1,478	1,067	38.5%	1,120	782	359	286	74	53	1,039	724	102	87	7	5	96	82	NM	5	NM	0	5	4	258	199
Arizona	532	406	31.2%	334	247	198	159	45	37	288	209	NM	NM	NM	NM	60	49	1	1	0	0	1	1	138	109
Colorado	127	105	21.6%	86	66	41	39	NM	NM	84	64	NM	NM	NM	NM	14	14	0	0	0	0	0	0	27	25
Idaho	40	29	38.9%	36	27	4	3	0	0	36	27	0	0	0	0	0	0	NM	0	NM	0	0	0	4	2
Montana	4	3	27.1%	2	NM	2	1	0	0	2	NM	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Nevada	442	281	57.3%	387	244	55	37	3	2	380	238	12	10	4	3	8	7	3	3	0	0	3	3	45	28
New Mexico	131	92	41.7%	105	73	25	20	25	14	80	58	7	6	0	0	7	6	0	0	0	0	0	0	18	14
Utah	188	142	32.6%	156	116	32	26	0	0	156	116	6	5	0	0	6	5	1	1	0	0	1	1	25	21
Wyoming	14	10	40.0%	13	9	1	1	0	0	13	9	0	0	0	0	0	0	0	0	0	0	0	0	1	0
Pacific Contiguous	3,124	2,342	33.4%	2,021	1,462	1,103	880	33	27	1,976	1,425	275	227	11	9	264	218	NM	NM	NM	NM	144	124	695	538
California	3,031	2,285	32.7%	1,956	1,428	1,074	856	32	27	1,911	1,391	267	220	11	9	257	211	NM	NM	NM	NM	143	123	675	523
Oregon	76	44	74.2%	62	32	14	12	NM	NM	62	31	6	5	0	0	6	5	1	1	0	0	1	1	8	6
Washington	NM	14	NM	NM	NM	15	11	0	0	NM	NM	2	2	0	0	2	2	0	0	0	0	0	0	12	10
Pacific Noncontiguous	119	91	31.2%	32	14	87	77	6	3	26	11	33	30	0	0	33	30	0	0	0	0	0	0	54	46
Alaska	0	0	76.5%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hawaii	119	91	31.2%	32	14	87	76	6	3	26	11	33	30	0	0	33	30	0	0	0	0	0	0	53	46
U.S. Total	8,067	5,757	40.1%	5,458	3,695	2,609	2,062	604	383	4,808	3,277	871	711	41	32	830	680	218	182	5	4	213	178	1,566	1,204

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 2020 and 2019 (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 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
New England	683	554	23.3%	222	171	461	383	23	14	196	155	259	215	NM	NM	257	214	21	17	NM	NM	21	16	183	153
Connecticut	113	88	28.6%	28	19	85	69	0	0	27	18	34	29	NM	NM	33	28	5	4	NM	NM	5	3	47	38
Maine	12	10	22.8%	NM	NM	11	9	0	0	NM	NM	4	3	0	0	4	3	0	0	0	0	0	0	7	5
Massachusetts	444	379	17.0%	154	126	290	254	15	10	138	115	179	160	NM	NM	178	159	15	12	NM	NM	14	11	97	83
New Hampshire	19	15	26.7%	0	0	19	15	0	0	0	0	6	5	0	0	6	5	1	1	0	0	1	1	12	10
Rhode Island	51	26	95.2%	13	7	38	19	0	0	13	7	28	12	0	0	28	12	0	0	0	0	0	0	10	7
Vermont	44	35	23.3%	24	18	19	17	8	4	16	14	7	6	0	0	7	6	0	0	0	0	0	0	12	10
Middle Atlantic	923	707	30.5%	290	194	633	513	9	8	260	167	319	251	18	17	300	234	39	30	NM	NM	36	28	297	252
New Jersey	465	384	21.2%	158	125	307	259	9	8	132	102	165	144	16	15	149	129	27	19	NM	NM	26	18	132	111
New York	375	261	43.8%	116	60	259	201	0	0	113	57	130	88	NM	NM	129	86	3	3	NM	NM	2	2	129	113
Pennsylvania	83	63	31.8%	16	9	67	54	0	0	15	8	23	19	NM	NM	23	18	9	8	NM	NM	8	8	36	27
East North Central	210	144	45.4%	104	80	106	64	34	26	68	52	56	40	NM	NM	53	38	6	3	0	0	6	3	47	23
Illinois	44	21	104.6%	8	7	36	15	0	NM	7	6	20	9	NM	NM	20	9	0	0	0	0	0	0	17	6
Indiana	63	49	30.1%	46	36	17	13	24	15	22	20	10	9	NM	NM	10	9	0	0	0	0	0	0	7	4
Michigan	32	27	18.6%	18	18	14	10	9	10	9	8	6	5	NM	NM	6	5	0	0	0	0	0	0	8	4
Ohio	47	33	42.3%	23	16	24	18	NM	NM	21	14	14	13	NM	NM	13	12	3	1	0	0	3	1	8	5
Wisconsin	23	14	68.7%	9	4	13	9	0	0	9	4	5	4	NM	NM	4	3	2	2	0	0	2	2	7	4
West North Central	312	217	43.7%	228	153	84	64	3	NM	225	151	38	30	0	0	38	30	3	2	0	0	3	2	43	32
Iowa	24	18	33.9%	NM	NM	21	16	NM	NM	NM	NM	13	10	0	0	13	10	1	0	0	0	1	0	8	6
Kansas	8	5	60.9%	NM	NM	6	5	NM	NM	NM	NM	2	2	0	0	2	2	0	0	0	0	0	0	4	3
Minnesota	218	146	49.1%	206	137	11	9	NM	NM	206	136	2	3	0	0	2	3	2	1	0	0	2	1	7	5
Missouri	56	43	29.4%	12	11	44	32	0	0	12	11	20	15	0	0	20	15	1	1	0	0	1	1	23	17
Nebraska	6	5	28.4%	4	3	2	2	NM	NM	3	3	1	1	0	0	1	1	0	0	0	0	0	0	1	1
North Dakota	0	0	22.5%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota	0	0	17.4%	NM	NM	0	0	0	0	NM	NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Atlantic	2,925	2,028	44.3%	2,480	1,687	445	341	841	520	1,621	1,151	122	111	18	15	104	96	51	45	NM	NM	50	44	290	201
Delaware	23	20	16.4%	7	6	16	14	NM	NM	6	5	5	4	0	0	5	4	1	1	0	0	1	1	10	9
District of Columbia	17	12	45.2%	NM	NM	15	10	0	0	NM	NM	7	5	0	0	7	5	0	0	0	0	0	0	8	5
Florida	882	561	57.3%	747	479	135	82	671	419	74	58	22	19	NM	NM	21	17	2	2	NM	NM	2	2	112	64
Georgia	431	254	69.8%	387	214	44	40	38	35	349	179	6	6	NM	NM	6	5	35	32	0	0	35	32	3	3
Maryland	187	155	20.9%	69	52	118	103	NM	NM	66	50	36	33	NM	NM	33	31	5	5	0	0	5	5	80	67
North Carolina	1,024	808	26.7%	979	774	45	34	66	43	900	719	29	29	13	12	16	17	2	1	0	0	2	1	27	16
South Carolina	202	114	78.3%	154	73	48	40	NM	NM	152	73	10	11	0	0	10	11	6	4	NM	NM	6	3	33	26
Virginia	156	103	51.1%	135	88	22	15	62	22	72	67	6	4	NM	0	6	4	0	0	0	0	0	0	15	11
West Virginia	2	1	28.4%	0	0	2	1	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	1	1
East South Central	158	127	25.1%	137	107	22	19	8	7	127	99	14	13	NM	NM	14	13	1	1	NM	NM	0	0	8	6
Alabama	45	42	7.2%	43	41	2	2	3	3	40	37	1	1	0	0	1	1	0	0	0	0	0	0	0	0
Kentucky	10	8	20.5%	4	4	6	4	4	4	NM	NM	3	3	0	0	3	3	0	0	0	0	0	0	3	2
Mississippi	52	38	38.8%	50	36	2	2	0	0	50	36	1	1	0	0	1	1	0	0	0	0	0	0	1	1
Tennessee	51	38	32.5%	39	27	12	11	NM	NM	37	26	9	9	NM	NM	8	8	1	1	NM	NM	0	0	3	3
West South Central	954	651	46.7%	751	498	203	152	10	8	738	491	42	35	3	0	39	34	1	1	0	0	1	1	163	117
Arkansas	30	24	27.1%	24	20	6	4	NM	NM	22	20	4	1	2	0	2	1	1	0	0	0	1	0	4	2
Louisiana	32	30	6.0%	NM	NM	32	30	NM	NM	0	0	2	2	0	0	2	2	0	0	0	0	0	0	30	28
Oklahoma	11	9	20.7%	7	6	3	2	7	6	0	0	1	1	0	0	1	1	0	0	0	0	0	0	2	2
Texas	881	588	50.0%	719	472	162	116	NM	NM	716	471	36	31	NM	0	35	30	0	0	0	0	0	0	127	85
Mountain	2,714	2,089	30.0%	2,019	1,522	696	567	135	105	1,871	1,407	200	175	12	10	188	165	10	9	NM	0	9	9	498	393
Arizona	1,000	805	24.2%	614	486	385	319	83	73	529	412	120	101	NM	NM	118	100	2	2	0	0	2	2	265	217
Colorado	240	204	17.6%	157	127	83	77	NM	NM	153	125	31	31	3	NM	28	29	0	0	0	0	0	0	54	48
Idaho	69	57	21.0%	61	52	7	4	0	0	61	52	1	1	0	0	1	1	1	0	NM	0	0	0	6	4
Montana	7	6	19.6%	4	3	3	2	0	0	4	3	1	1	0	0	1	1	0	0	0	0	0	0	2	2
Nevada	804	544	47.6%	699	472	105	73	5	4	686	461	22	20	7	7	15	14	6	5	0	0	5	5	85	54
New Mexico	234	180	30.0%	185	141	50	39	46	28	139	114	14	12	0	0	14	12	0	0	0	0	0	0	36	27
Utah	339	275	23.2%	278	224	61	51	0	0	278	224	11	10	0	0	11	10	1	1	0	0	1	1	49	40
Wyoming	22	17	29.4%	21	16	1	1	0	0	21	16	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Pacific Contiguous	5,690	4,509	26.2%	3,610	2,800	2,080	1,709	60	54	3,527	2,724	523	444	20	18	503	427	280	245	4	3	277	241	1,301	1,041
California	5,537	4,401	25.8%	3,503	2,731	2,034	1,671	59	54	3,421	2,656	510	433	20	18	491	416	279	243	4	3	275	240	1,268	1,015
Oregon	125	85	46.8%	101	64	23	20	NM	NM	101	64	9	9	0	0	9	9	2	2	0	0	2	2	13	10
Washington	28	22	26.1%	5	5	23	18	0	0	5	5	3	3	0	0	3	3	0	0	0	0	0	0	20	15
Pacific Noncontiguous	229	182	25.7%	58	28	171	155	12	6	47	22	65	61	0	0	65	61	1	1	0	0	1	1	105	93
Alaska	0	0	76.3%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hawaii	229	182	25.7%	58	28	171	155	12	6	47	22	65	61	0	0	65	61	1	1	0	0	1	1	105	93
U.S. Total	14,800	11,207	32.1%	9,898	7,240	4,902	3,967	1,133	750	8,679	6,418	1,638	1,376	75	64	1,563	1,312	414	353	10	8	404	346	2,935	2,310

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 2020 and 2019 (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 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
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	15	0	--	0	0	15	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	15	0	--	0	0	15	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	2	3	-36.7%	2	3	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	2	3	-36.7%	2	3	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	55	46	20.7%	0	0	55	46	0	0	0	0
Arizona	49	27	81.3%	0	0	49	27	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	6	19	-67.1%	0	0	6	19	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	121	83	46.4%	0	0	121	83	0	0	0	0
California	121	83	46.4%	0	0	121	83	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	194	131	47.4%	2	3	192	128	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 2020 and 2019 (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 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 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	25	0	--	0	0	25	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	25	0	--	0	0	25	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	5	-28.4%	3	5	0	0	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	3	5	-28.4%	3	5	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	0	0	--	0	0	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	94	90	5.0%	0	0	94	90	0	0	0	0
Arizona	86	56	53.1%	0	0	86	56	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	34	-75.5%	0	0	8	34	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	187	148	26.7%	0	0	187	148	0	0	0	0
California	187	148	26.7%	0	0	187	148	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	309	242	27.8%	3	5	306	237	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.

Chapter 2

Consumption of Fossil Fuels

Table 2.1.A. Coal: Consumption for Electricity Generation, by Sector, 2010-February 2020 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	663,911	484,389	176,643	95	2,783
2018	636,213	473,617	159,976	87	2,534
2019	538,465	398,671	137,460	78	2,257
Year 2018					
January	64,845	47,762	16,817	11	255
February	45,793	34,002	11,552	9	230
March	44,474	32,312	11,930	8	224
April	40,515	30,350	9,965	7	193
May	47,293	35,261	11,815	6	211
June	56,078	42,502	13,360	6	210
July	63,818	48,277	15,322	6	212
August	63,737	47,866	15,660	7	204
Sept	53,914	40,293	13,415	7	199
October	48,422	35,547	12,695	6	173
November	51,702	37,956	13,537	7	202
December	55,624	41,488	13,908	7	221
Year 2019					
January	55,831	41,298	14,305	10	218
February	45,056	33,365	11,484	8	198
March	44,038	31,673	12,185	9	172
April	33,432	24,481	8,781	6	165
May	40,061	30,220	9,654	6	181
June	44,274	33,482	10,611	4	176
July	56,062	42,233	13,617	6	205
August	52,512	39,619	12,686	5	202
Sept	47,418	35,347	11,876	6	189
October	37,435	26,979	10,273	6	177
November	41,918	30,311	11,414	6	188
December	40,429	29,663	10,574	7	184
Year 2020					
January	36,697	27,198	9,302	6	191
February	31,855	23,478	8,189	9	179
Year to Date					
2018	110,638	81,765	28,369	20	485
2019	100,887	74,663	25,789	17	417
2020	68,552	50,677	17,491	14	370
Rolling 12 Months Ending in February					
2019	626,462	466,516	157,395	85	2,466
2020	506,130	374,684	129,161	74	2,211

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 2018 and prior years are final. Values for 2019 and 2020 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, 2010-February 2020 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	14,667	2,802	1,158	515	10,192
2018	13,813	2,268	1,356	490	9,700
2019	12,720	2,194	1,091	448	8,987
Year 2018					
January	1,434	237	144	65	987
February	1,285	216	126	51	892
March	1,254	202	119	49	885
April	1,095	188	100	40	767
May	1,081	173	106	33	769
June	1,081	184	107	30	759
July	1,078	189	105	34	750
August	1,064	181	103	35	745
Sept	1,061	183	97	38	743
October	984	159	72	35	718
November	1,167	173	141	40	813
December	1,229	182	135	40	872
Year 2019					
January	1,305	212	168	49	877
February	1,139	201	91	44	802
March	1,127	202	108	45	772
April	1,044	155	104	33	752
May	1,001	136	100	34	731
June	1,015	177	106	26	706
July	969	186	87	34	662
August	999	208	71	37	682
Sept	931	179	60	37	656
October	1,060	177	68	33	783
November	1,059	177	60	38	784
December	1,070	183	69	39	780
Year 2020					
January	1,047	164	53	35	795
February	1,002	150	51	40	761
Year to Date					
2018	2,719	454	270	116	1,879
2019	2,444	413	259	93	1,679
2020	2,049	313	105	75	1,556
Rolling 12 Months Ending in February					
2019	13,538	2,228	1,344	467	9,499
2020	12,325	2,094	937	431	8,864

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 2018 and prior years are final. Values for 2019 and 2020 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, 2010-February 2020 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	678,578	487,192	177,801	610	12,975
2018	650,027	475,885	161,332	577	12,233
2019	551,185	400,864	138,550	526	11,244
Year 2018					
January	66,279	47,999	16,961	76	1,242
February	47,079	34,219	11,679	59	1,122
March	45,728	32,513	12,049	57	1,109
April	41,610	30,538	10,065	47	960
May	48,374	35,435	11,921	39	979
June	57,159	42,687	13,467	36	969
July	64,895	48,467	15,427	40	962
August	64,801	48,047	15,763	42	949
Sept	54,975	40,475	13,512	45	943
October	49,406	35,706	12,768	42	891
November	52,868	38,129	13,677	47	1,015
December	56,853	41,670	14,043	47	1,093
Year 2019					
January	57,136	41,510	14,472	58	1,095
February	46,195	33,567	11,575	52	1,000
March	45,165	31,874	12,292	54	944
April	34,476	24,636	8,884	39	918
May	41,062	30,356	9,754	40	912
June	45,289	33,659	10,717	31	882
July	57,031	42,419	13,704	40	867
August	53,511	39,827	12,757	42	885
Sept	48,349	35,525	11,936	42	845
October	38,495	27,156	10,341	38	960
November	42,977	30,488	11,473	44	971
December	41,499	29,846	10,642	46	964
Year 2020					
January	37,744	27,362	9,355	41	986
February	32,857	23,628	8,240	48	940
Year to Date					
2018	113,357	82,218	28,640	136	2,364
2019	103,330	75,077	26,048	110	2,095
2020	70,601	50,990	17,595	89	1,926
Rolling 12 Months Ending in February					
2019	640,000	468,744	158,740	551	11,965
2020	518,456	376,778	130,098	505	11,075

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Values for 2018 and prior years are final. Values for 2019 and 2020 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, 2010-February 2020 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	21,696	15,567	5,461	191	476
2018	28,614	18,345	9,467	269	534
2019	20,430	14,920	4,806	245	459
Year 2018					
January	9,468	4,469	4,861	66	72
February	1,451	1,118	270	14	49
March	1,497	1,096	348	12	42
April	1,601	1,169	383	15	34
May	1,863	1,340	463	18	43
June	1,895	1,378	464	18	35
July	1,753	1,216	454	27	56
August	1,870	1,295	516	24	35
Sept	1,863	1,401	411	18	33
October	1,814	1,368	390	16	40
November	1,799	1,281	452	22	45
December	1,740	1,216	455	20	49
Year 2019					
January	2,423	1,611	745	23	44
February	1,411	1,013	343	13	41
March	1,449	1,072	323	16	39
April	1,397	988	348	15	46
May	1,653	1,227	370	18	37
June	1,731	1,325	351	18	37
July	1,820	1,287	475	25	33
August	1,892	1,448	383	22	39
Sept	1,661	1,261	336	27	37
October	1,697	1,263	376	24	33
November	1,607	1,177	369	24	37
December	1,690	1,248	387	21	35
Year 2020					
January	1,711	1,385	269	21	34
February	1,396	1,115	233	12	35
Year to Date					
2018	10,919	5,586	5,131	80	122
2019	3,834	2,624	1,089	36	86
2020	3,107	2,501	503	34	70
Rolling 12 Months Ending in February					
2019	21,530	15,382	5,425	225	498
2020	19,703	14,797	4,220	243	443

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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 2018 and prior years are final. Values for 2019 and 2020 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, 2010-February 2020 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	2,012	72	220	238	1,482
2018	2,614	103	354	350	1,807
2019	2,285	70	250	405	1,559
Year 2018					
January	701	58	132	109	402
February	179	4	12	25	138
March	156	3	13	21	118
April	136	3	12	17	104
May	147	4	18	16	109
June	162	5	14	15	128
July	156	3	11	28	114
August	143	4	12	23	104
Sept	130	7	15	15	93
October	190	5	16	16	153
November	228	3	20	30	174
December	287	3	80	35	169
Year 2019					
January	375	20	45	45	266
February	186	8	21	27	130
March	172	4	22	29	118
April	160	3	19	17	120
May	267	6	18	120	124
June	143	4	18	13	108
July	120	4	14	25	76
August	151	6	14	23	108
Sept	157	4	21	28	104
October	139	4	21	21	93
November	261	4	19	32	206
December	154	4	18	25	107
Year 2020					
January	138	4	11	25	99
February	128	4	11	17	96
Year to Date					
2018	880	63	144	134	540
2019	561	28	66	72	396
2020	266	7	22	42	195
Rolling 12 Months Ending in February					
2019	2,295	68	276	289	1,662
2020	1,990	50	207	375	1,358

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 2018 and prior years are final. Values for 2019 and 2020 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, 2010-February 2020 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	23,708	15,640	5,681	429	1,958
2018	31,228	18,448	9,820	619	2,341
2019	22,715	14,990	5,056	650	2,018
Year 2018					
January	10,169	4,527	4,993	175	474
February	1,630	1,122	282	39	187
March	1,653	1,099	361	33	160
April	1,738	1,172	395	32	138
May	2,010	1,343	480	34	152
June	2,057	1,383	478	33	164
July	1,909	1,219	465	55	170
August	2,012	1,298	528	46	140
Sept	1,993	1,407	426	34	127
October	2,003	1,373	406	31	193
November	2,027	1,284	472	52	219
December	2,027	1,220	534	55	218
Year 2019					
January	2,798	1,630	790	68	310
February	1,597	1,021	365	40	171
March	1,621	1,076	344	44	156
April	1,557	991	367	33	166
May	1,920	1,233	388	138	161
June	1,874	1,328	369	31	146
July	1,939	1,291	489	50	109
August	2,042	1,454	397	45	147
Sept	1,818	1,265	357	56	140
October	1,836	1,267	398	45	126
November	1,869	1,181	388	55	243
December	1,845	1,252	405	46	142
Year 2020					
January	1,849	1,389	281	46	133
February	1,524	1,119	244	29	132
Year to Date					
2018	11,799	5,649	5,274	214	662
2019	4,395	2,651	1,155	108	481
2020	3,373	2,508	525	75	264
Rolling 12 Months Ending in February					
2019	23,824	15,450	5,700	513	2,160
2020	21,692	14,847	4,427	617	1,801

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 2018 and prior years are final. Values for 2019 and 2020 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, 2010-February 2020 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	3,490	2,731	542	3	214
2018	3,623	2,740	704	2	177
2019	2,806	2,067	556	1	182
Year 2018					
January	377	296	67	0	14
February	305	234	60	0	11
March	255	198	43	0	13
April	271	193	63	0	15
May	212	140	58	0	14
June	338	269	51	0	18
July	367	284	66	0	17
August	352	272	66	0	15
Sept	325	259	50	0	15
October	229	158	54	0	16
November	271	196	63	0	13
December	321	241	65	0	16
Year 2019					
January	329	258	56	0	14
February	283	222	50	0	11
March	266	193	60	0	13
April	182	107	60	0	15
May	298	219	63	0	15
June	218	151	53	0	14
July	314	227	61	0	25
August	278	203	59	0	15
Sept	259	183	59	0	17
October	82	64	3	0	14
November	130	101	15	0	14
December	167	137	16	0	15
Year 2020					
January	285	204	66	0	15
February	174	147	14	0	13
Year to Date					
2018	682	530	126	1	25
2019	612	481	106	1	25
2020	459	351	80	1	28
Rolling 12 Months Ending in February					
2019	3,553	2,691	683	2	176
2020	2,653	1,937	530	1	185

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 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.3.B. Petroleum Coke: Consumption for Useful Thermal Output, by Sector, 2010-February 2020 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	977	11	115	15	836
2018	929	12	93	10	814
2019	865	17	93	6	750
Year 2018					
January	88	1	9	2	76
February	78	1	8	2	67
March	72	1	9	1	61
April	83	1	10	1	71
May	70	1	6	0	63
June	75	1	1	0	73
July	81	1	9	0	71
August	77	1	9	0	66
Sept	74	1	7	1	65
October	77	0	9	1	67
November	71	1	8	2	61
December	83	1	8	2	72
Year 2019					
January	74	1	8	2	63
February	65	1	8	1	55
March	77	1	9	1	66
April	75	2	9	1	63
May	78	1	9	0	69
June	73	1	7	0	65
July	79	2	8	0	69
August	71	0	8	0	63
Sept	91	2	7	0	82
October	59	1	2	0	56
November	52	2	9	0	41
December	70	2	9	1	58
Year 2020					
January	78	1	9	2	65
February	48	1	9	1	36
Year to Date					
2018	166	2	17	3	143
2019	139	3	16	3	118
2020	126	3	19	3	102
Rolling 12 Months Ending in February					
2019	902	12	92	10	788
2020	853	17	96	6	734

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.3.C. Petroleum Coke: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2010-February 2020 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	4,467	2,742	657	17	1,050
2018	4,552	2,752	797	12	991
2019	3,671	2,083	649	7	932
Year 2018					
January	466	297	76	2	90
February	382	235	68	2	78
March	327	199	52	2	74
April	354	195	72	1	86
May	281	141	63	0	77
June	413	270	52	0	91
July	448	285	75	0	88
August	429	273	75	0	81
Sept	399	260	58	1	80
October	306	159	63	1	83
November	342	196	70	2	74
December	404	242	73	2	88
Year 2019					
January	402	260	64	2	77
February	348	224	58	1	66
March	343	194	68	2	79
April	257	110	69	1	78
May	376	220	72	0	84
June	291	152	60	0	79
July	393	230	69	0	95
August	349	203	68	0	78
Sept	350	185	67	0	98
October	141	65	5	0	70
November	182	102	24	0	56
December	237	139	25	1	73
Year 2020					
January	363	205	76	2	80
February	222	148	23	1	50
Year to Date					
2018	848	532	144	4	168
2019	751	483	122	3	142
2020	585	353	98	4	130
Rolling 12 Months Ending in February					
2019	4,455	2,703	775	12	965
2020	3,506	1,953	626	8	919

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, 2010-February 2020 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	9,508,062	4,754,893	4,161,984	50,060	541,126
2018	10,831,757	5,551,181	4,662,649	52,650	565,276
2019	11,550,825	5,958,855	4,958,970	53,622	579,377
Year 2018					
January	805,825	425,891	327,248	4,145	48,542
February	706,426	363,824	296,205	3,886	42,511
March	772,354	395,826	329,057	4,071	43,400
April	722,596	372,401	303,312	3,616	43,268
May	868,454	459,568	358,973	4,201	45,712
June	973,867	520,305	401,965	4,633	46,963
July	1,245,494	639,299	549,392	5,518	51,285
August	1,208,757	605,610	545,979	5,593	51,575
Sept	1,051,806	530,570	468,661	4,838	47,737
October	909,209	457,374	400,209	4,290	47,335
November	784,558	395,480	337,206	3,760	48,112
December	782,411	385,034	344,443	4,098	48,836
Year 2019					
January	860,020	432,058	372,463	4,517	50,981
February	793,583	406,415	338,912	4,129	44,128
March	815,951	415,407	349,668	4,332	46,544
April	755,102	392,685	313,252	4,039	45,126
May	852,486	449,520	351,859	4,218	46,890
June	1,012,529	537,372	423,972	4,355	46,829
July	1,294,629	673,371	565,943	5,002	50,313
August	1,308,612	687,844	564,762	5,152	50,854
Sept	1,115,418	581,736	481,039	4,665	47,978
October	981,373	509,470	419,699	4,351	47,854
November	842,003	421,378	366,242	4,309	50,074
December	919,118	451,599	411,160	4,552	51,807
Year 2020					
January	952,082	484,401	410,175	4,610	52,896
February	902,594	471,058	379,128	4,138	48,271
Year to Date					
2018	1,512,252	789,715	623,453	8,031	91,053
2019	1,653,603	838,473	711,374	8,646	95,109
2020	1,854,676	955,459	789,303	8,747	101,167
Rolling 12 Months Ending in February					
2019	10,973,108	5,599,939	4,750,571	53,266	569,332
2020	11,751,898	6,075,841	5,036,899	53,723	585,435

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.4.B. Natural Gas: Consumption for Useful Thermal Output, by Sector, 2010-February 2020 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	1,168,544	38,740	309,949	104,324	715,532
2018	1,205,962	43,156	331,952	81,856	748,997
2019	1,239,527	46,793	342,807	80,544	769,383
Year 2018					
January	107,213	3,929	28,934	7,417	66,933
February	94,793	3,366	26,629	6,706	58,093
March	100,213	3,557	28,088	6,844	61,724
April	92,932	2,942	25,265	6,133	58,592
May	94,707	3,306	26,238	6,099	59,064
June	97,016	3,642	26,642	6,537	60,196
July	107,003	4,484	30,339	7,649	64,531
August	105,929	4,079	29,861	7,691	64,297
Sept	99,289	3,479	27,089	6,581	62,140
October	99,045	3,013	27,218	6,411	62,402
November	101,846	3,185	27,080	6,829	64,751
December	105,976	4,174	28,570	6,959	66,273
Year 2019					
January	113,278	3,993	32,023	7,638	69,624
February	100,217	3,790	27,223	6,884	62,320
March	104,850	3,703	29,358	6,896	64,893
April	97,156	3,166	26,595	6,151	61,245
May	98,314	3,375	26,480	6,008	62,449
June	99,519	4,099	27,809	6,327	61,285
July	104,637	4,806	29,104	6,792	63,934
August	106,122	4,697	30,997	6,667	63,761
Sept	99,954	4,233	27,779	6,336	61,606
October	99,767	3,232	27,473	6,369	62,694
November	104,425	3,738	28,110	6,983	65,595
December	111,289	3,963	29,855	7,494	69,977
Year 2020					
January	113,337	4,083	31,051	7,474	70,729
February	103,523	3,835	28,827	6,849	64,012
Year to Date					
2018	202,007	7,295	55,562	14,123	125,027
2019	213,495	7,783	59,246	14,523	131,944
2020	216,860	7,918	59,879	14,323	134,741
Rolling 12 Months Ending in February					
2019	1,217,451	43,644	335,636	82,256	755,915
2020	1,242,892	46,929	343,440	80,344	772,180

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

Table 2.4.C. Natural Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2010-February 2020 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	10,676,606	4,793,632	4,471,933	154,383	1,256,658
2018	12,037,719	5,594,338	4,994,602	134,507	1,314,273
2019	12,790,352	6,005,649	5,301,778	134,166	1,348,760
Year 2018					
January	913,039	429,820	356,182	11,562	115,475
February	801,220	367,190	322,834	10,592	100,604
March	872,566	399,383	357,145	10,914	105,124
April	815,529	375,343	328,576	9,750	101,860
May	963,161	462,873	385,211	10,300	104,776
June	1,070,883	523,947	428,607	11,170	107,159
July	1,352,497	643,783	579,731	13,167	115,816
August	1,314,686	609,689	575,840	13,285	115,872
Sept	1,151,095	534,049	495,750	11,419	109,877
October	1,008,254	460,387	427,427	10,702	109,738
November	886,403	398,665	364,286	10,589	112,863
December	888,387	389,208	373,012	11,058	115,109
Year 2019					
January	973,298	436,051	404,486	12,155	120,605
February	893,800	410,205	366,134	11,013	106,448
March	920,801	419,110	379,026	11,228	111,438
April	852,258	395,850	339,847	10,190	106,371
May	950,800	452,895	378,339	10,226	109,339
June	1,112,048	541,471	451,782	10,682	108,113
July	1,399,265	678,178	595,047	11,794	114,247
August	1,414,734	692,541	595,760	11,819	114,615
Sept	1,215,372	585,969	508,818	11,001	109,584
October	1,081,140	512,701	447,172	10,720	110,547
November	946,429	425,116	394,352	11,292	115,669
December	1,030,408	455,562	441,015	12,046	121,785
Year 2020					
January	1,065,419	488,484	441,227	12,084	123,625
February	1,006,117	474,894	407,955	10,987	112,283
Year to Date					
2018	1,714,258	797,010	679,015	22,154	216,079
2019	1,867,098	846,256	770,621	23,169	227,053
2020	2,071,536	963,377	849,181	23,070	235,907
Rolling 12 Months Ending in February					
2019	12,190,559	5,643,583	5,086,207	135,521	1,325,247
2020	12,994,790	6,122,770	5,380,339	134,067	1,357,614

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.5.A. Landfill Gas: Consumption for Electricity Generation, by Sector, 2010-February 2020 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	278,112	25,074	229,050	20,121	3,866
2018	270,235	23,580	223,513	19,790	3,352
2019	241,156	19,107	204,005	15,145	2,898
Year 2018					
January	23,568	2,389	19,205	1,673	301
February	22,069	2,186	17,993	1,576	314
March	23,672	2,377	19,280	1,692	324
April	22,281	2,159	18,159	1,633	330
May	22,748	2,125	18,722	1,609	291
June	21,854	1,777	18,189	1,607	281
July	22,507	1,817	18,773	1,651	266
August	23,061	1,739	19,377	1,696	249
Sept	20,472	1,604	17,004	1,643	222
October	22,360	1,779	18,634	1,687	259
November	22,405	1,812	18,708	1,630	255
December	23,237	1,815	19,468	1,695	259
Year 2019					
January	20,524	1,599	17,016	1,651	259
February	18,832	1,462	15,686	1,448	237
March	21,461	1,750	17,858	1,578	275
April	19,036	1,540	16,347	902	247
May	19,116	1,596	16,802	503	214
June	19,846	1,544	17,003	1,084	216
July	20,607	1,593	17,528	1,277	209
August	20,901	1,621	17,778	1,280	223
Sept	19,765	1,592	16,684	1,266	224
October	20,270	1,605	17,015	1,386	264
November	19,995	1,576	16,752	1,408	258
December	20,803	1,629	17,537	1,364	273
Year 2020					
January	20,771	1,641	17,491	1,361	278
February	19,269	1,556	16,106	1,349	259
Year to Date					
2018	45,638	4,575	37,199	3,249	615
2019	39,356	3,061	32,702	3,098	495
2020	40,040	3,197	33,597	2,710	537
Rolling 12 Months Ending in February					
2019	263,953	22,066	219,016	19,639	3,232
2020	241,840	19,243	204,900	14,756	2,940

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

Table 2.5.B. Landfill Gas: Consumption for Useful Thermal Output, by Sector, 2010-February 2020 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	3,940	2	1,948	1,099	891
2018	3,621	0	1,867	911	843
2019	3,646	0	1,993	820	833
Year 2018					
January	321	0	176	68	77
February	320	0	165	79	77
March	340	0	175	82	83
April	335	0	164	85	86
May	285	0	140	71	74
June	259	0	146	46	68
July	278	0	139	76	64
August	302	0	157	82	63
Sept	290	0	150	82	58
October	334	0	170	95	69
November	276	0	134	73	68
December	280	0	152	71	57
Year 2019					
January	377	0	222	84	71
February	347	0	217	67	62
March	391	0	233	80	78
April	366	0	186	102	77
May	214	0	79	64	71
June	242	0	108	77	57
July	259	0	144	42	73
August	240	0	103	73	64
Sept	240	0	102	74	64
October	335	0	184	77	74
November	343	0	208	59	76
December	292	0	207	21	65
Year 2020					
January	351	0	237	36	78
February	373	0	233	65	74
Year to Date					
2018	641	0	341	147	153
2019	724	0	440	151	133
2020	724	0	470	101	153
Rolling 12 Months Ending in February					
2019	3,704	0	1,965	915	824
2020	3,646	0	2,023	770	852

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

Table 2.5.C. Landfill Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2010-February 2020 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	282,051	25,076	230,998	21,220	4,757
2018	273,856	23,580	225,380	20,701	4,196
2019	244,801	19,107	205,998	15,965	3,731
Year 2018					
January	23,890	2,389	19,382	1,741	378
February	22,390	2,186	18,158	1,655	390
March	24,012	2,377	19,455	1,774	407
April	22,616	2,159	18,323	1,718	416
May	23,033	2,125	18,862	1,680	366
June	22,113	1,777	18,335	1,652	349
July	22,785	1,817	18,912	1,726	330
August	23,363	1,739	19,534	1,778	313
Sept	20,763	1,604	17,154	1,725	280
October	22,694	1,779	18,804	1,783	328
November	22,681	1,812	18,842	1,703	324
December	23,516	1,815	19,620	1,766	316
Year 2019					
January	20,901	1,599	17,238	1,734	330
February	19,180	1,462	15,903	1,515	299
March	21,852	1,750	18,091	1,658	353
April	19,401	1,540	16,533	1,004	324
May	19,329	1,596	16,881	567	285
June	20,089	1,544	17,112	1,161	272
July	20,866	1,593	17,672	1,319	282
August	21,141	1,621	17,881	1,353	287
Sept	20,005	1,592	16,786	1,340	288
October	20,604	1,605	17,198	1,463	337
November	20,338	1,576	16,961	1,467	334
December	21,095	1,629	17,744	1,384	338
Year 2020					
January	21,123	1,641	17,728	1,397	356
February	19,642	1,556	16,339	1,414	334
Year to Date					
2018	46,279	4,575	37,540	3,396	768
2019	40,080	3,061	33,141	3,250	629
2020	40,764	3,197	34,066	2,811	690
Rolling 12 Months Ending in February					
2019	267,657	22,066	220,981	20,554	4,056
2020	245,485	19,244	206,923	15,526	3,792

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 2.6.A. Biogenic Municipal Solid Waste: Consumption for Electricity Generation, by Sector, 2010-February 2020 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	16,348	422	13,381	2,537	8
2018	16,783	467	13,859	2,448	9
2019	15,333	297	12,821	2,204	10
Year 2018					
January	1,370	28	1,147	195	0
February	1,297	26	1,090	180	1
March	1,398	40	1,153	204	1
April	1,356	38	1,117	200	1
May	1,419	43	1,158	217	1
June	1,476	42	1,218	214	1
July	1,479	48	1,224	207	1
August	1,483	47	1,220	215	1
Sept	1,334	36	1,097	199	1
October	1,387	43	1,140	205	0
November	1,369	39	1,127	202	0
December	1,416	37	1,169	210	0
Year 2019					
January	1,299	30	1,078	191	1
February	1,138	20	948	169	1
March	1,238	20	1,037	180	1
April	1,223	28	1,008	186	1
May	1,324	26	1,107	189	1
June	1,307	25	1,092	190	1
July	1,345	27	1,132	185	1
August	1,372	29	1,152	190	1
Sept	1,265	21	1,061	182	1
October	1,251	28	1,045	177	1
November	1,254	25	1,056	173	1
December	1,317	20	1,105	191	1
Year 2020					
January	1,287	19	1,079	188	1
February	1,183	14	1,002	166	1
Year to Date					
2018	2,667	53	2,237	375	1
2019	2,437	49	2,027	359	1
2020	2,470	33	2,081	354	2
Rolling 12 Months Ending in February					
2019	16,554	463	13,649	2,433	9
2020	15,366	281	12,875	2,199	11

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
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Table 2.6.B. Biogenic Municipal Solid Waste: Consumption for Useful Thermal Output, by Sector, 2010-February 2020 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	2,124	0	814	1,102	208
2018	2,050	0	752	1,109	189
2019	1,576	0	743	646	187
Year 2018					
January	182	0	64	102	17
February	163	0	60	91	12
March	169	0	64	93	12
April	160	0	54	90	16
May	176	0	59	101	16
June	177	0	65	95	18
July	180	0	65	98	17
August	183	0	66	95	21
Sept	144	0	58	68	17
October	160	0	61	83	16
November	173	0	66	93	14
December	182	0	70	100	13
Year 2019					
January	164	0	66	83	15
February	149	0	63	70	15
March	147	0	67	64	16
April	109	0	56	37	17
May	120	0	64	45	12
June	129	0	64	50	15
July	128	0	67	45	16
August	130	0	62	47	21
Sept	117	0	53	48	15
October	122	0	57	50	15
November	131	0	63	53	15
December	131	0	61	55	15
Year 2020					
January	139	0	73	53	13
February	133	0	69	47	16
Year to Date					
2018	345	0	124	193	28
2019	313	0	129	153	31
2020	272	0	142	100	30
Rolling 12 Months Ending in February					
2019	2,018	0	757	1,069	191
2020	1,536	0	756	594	186

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Table 2.6.C. Biogenic Municipal Solid Waste: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2010-February 2020 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	18,473	422	14,195	3,639	216
2018	18,833	467	14,611	3,557	197
2019	16,909	297	13,564	2,850	197
Year 2018					
January	1,552	28	1,211	296	17
February	1,459	26	1,150	271	13
March	1,567	40	1,217	297	13
April	1,516	38	1,171	290	17
May	1,595	43	1,217	319	17
June	1,653	42	1,283	309	19
July	1,659	48	1,288	305	18
August	1,666	47	1,286	311	22
Sept	1,478	36	1,156	268	18
October	1,547	43	1,201	288	16
November	1,542	39	1,193	295	14
December	1,598	37	1,238	310	13
Year 2019					
January	1,463	30	1,144	273	16
February	1,286	20	1,011	239	16
March	1,385	20	1,105	244	17
April	1,332	28	1,063	223	18
May	1,444	26	1,171	234	13
June	1,436	25	1,156	241	15
July	1,473	27	1,199	229	17
August	1,503	29	1,215	238	22
Sept	1,382	21	1,114	230	16
October	1,373	28	1,101	227	16
November	1,385	25	1,119	226	15
December	1,448	20	1,166	246	16
Year 2020					
January	1,426	19	1,152	240	14
February	1,316	14	1,071	214	17
Year to Date					
2018	3,011	53	2,361	568	30
2019	2,749	49	2,155	512	32
2020	2,742	33	2,223	454	31
Rolling 12 Months Ending in February					
2019	18,571	463	14,406	3,502	200
2020	16,902	281	13,632	2,792	197

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Table 2.7.A. Wood / Wood Waste Biomass: Consumption for Electricity Generation, by Sector, 2010-February 2020 (Billion Btus)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	363,646	42,806	151,877	460	168,503
2018	361,703	45,856	143,288	520	172,039
2019	345,524	43,977	135,117	583	165,847
Year 2018					
January	33,136	4,713	13,790	63	14,571
February	28,906	3,689	12,141	42	13,033
March	31,435	4,501	12,243	36	14,655
April	26,860	2,966	10,597	16	13,280
May	29,530	3,196	11,683	32	14,619
June	31,205	3,909	12,733	53	14,509
July	33,490	4,670	13,260	59	15,501
August	32,186	4,427	12,624	69	15,067
Sept	28,704	3,340	11,278	52	14,034
October	27,972	3,376	10,642	27	13,927
November	28,539	3,741	10,733	20	14,044
December	29,741	3,326	11,563	51	14,801
Year 2019					
January	31,376	4,520	12,600	52	14,204
February	27,246	3,766	10,416	57	13,007
March	28,118	3,557	10,504	72	13,984
April	26,183	3,119	9,726	24	13,314
May	29,824	4,146	11,947	18	13,712
June	28,468	3,285	11,228	31	13,923
July	30,855	4,378	11,756	101	14,620
August	33,338	4,707	13,628	63	14,940
Sept	28,678	3,644	11,785	51	13,199
October	25,957	2,745	10,123	42	13,047
November	25,825	2,218	10,029	35	13,543
December	29,656	3,892	11,374	37	14,353
Year 2020					
January	28,475	3,424	10,667	48	14,337
February	27,208	3,194	10,869	41	13,104
Year to Date					
2018	62,042	8,403	25,931	105	27,604
2019	58,622	8,286	23,016	109	27,211
2020	55,683	6,618	21,536	89	27,441
Rolling 12 Months Ending in February					
2019	358,283	45,739	140,373	524	171,647
2020	342,586	42,309	133,637	563	166,077

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, 2010-February 2020 (Billion Btus)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	939,633	11,656	22,986	4,522	900,469
2018	929,365	10,297	21,623	4,806	892,639
2019	970,743	10,663	21,629	4,969	933,482
Year 2018					
January	81,175	844	2,115	454	77,762
February	73,007	878	2,141	474	69,514
March	78,989	948	1,966	493	75,583
April	73,967	869	1,533	339	71,225
May	77,198	673	1,679	319	74,528
June	75,544	655	1,683	402	72,805
July	80,237	991	1,899	382	76,964
August	79,868	854	1,930	417	76,667
Sept	73,254	655	1,676	336	70,587
October	76,266	1,005	1,607	329	73,326
November	76,373	891	1,635	343	73,503
December	83,486	1,033	1,759	518	80,175
Year 2019					
January	88,362	1,038	1,789	544	84,991
February	79,866	874	1,544	478	76,970
March	81,029	961	1,656	436	77,976
April	79,775	906	1,927	344	76,597
May	80,246	997	1,870	356	77,023
June	78,568	874	1,970	342	75,382
July	80,830	865	1,949	403	77,613
August	83,650	900	1,946	398	80,406
Sept	77,203	914	1,882	394	74,013
October	77,961	743	1,535	423	75,260
November	80,344	756	1,650	442	77,497
December	82,909	834	1,912	410	79,754
Year 2020					
January	76,322	805	2,074	484	72,959
February	70,708	859	1,874	454	67,521
Year to Date					
2018	154,182	1,722	4,256	927	147,276
2019	168,228	1,912	3,333	1,022	161,961
2020	147,031	1,664	3,949	938	140,480
Rolling 12 Months Ending in February					
2019	943,411	10,487	20,699	4,901	907,324
2020	949,546	10,415	22,245	4,885	912,001

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 2018 and prior years are final. Values for 2019 and 2020 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.7.C. Wood / Wood Waste Biomass: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2010-February 2020 (Billion Btus)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
2010	1,225,571	40,167	155,429	1,338	1,028,637
2011	1,240,937	35,474	146,684	1,504	1,057,275
2012	1,273,500	32,723	157,468	1,427	1,081,882
2013	1,317,560	43,363	164,063	1,486	1,108,647
2014	1,377,629	54,478	196,775	4,727	1,121,648
2015	1,350,612	53,269	190,587	4,219	1,102,537
2016	1,329,824	51,986	172,421	4,993	1,100,424
2017	1,303,279	54,462	174,862	4,982	1,068,972
2018	1,291,068	56,153	164,911	5,326	1,064,678
2019	1,316,268	54,641	156,746	5,552	1,099,329
Year 2018					
January	114,312	5,557	15,905	517	92,333
February	101,913	4,567	14,282	516	82,547
March	110,425	5,449	14,209	528	90,238
April	100,826	3,835	12,131	356	84,505
May	106,728	3,869	13,362	351	89,146
June	106,749	4,564	14,416	455	87,314
July	113,727	5,661	15,160	441	92,465
August	112,054	5,281	14,554	486	91,733
Sept	101,958	3,995	12,954	388	84,621
October	104,238	4,381	12,248	356	87,253
November	104,912	4,633	12,368	363	87,548
December	113,227	4,360	13,322	569	94,976
Year 2019					
January	119,738	5,558	14,389	596	99,195
February	107,112	4,640	11,960	535	89,977
March	109,147	4,518	12,160	508	91,960
April	105,958	4,025	11,653	368	89,912
May	110,071	5,144	13,818	374	90,735
June	107,036	4,159	13,198	373	89,306
July	111,684	5,243	13,705	505	92,232
August	116,988	5,608	15,574	461	95,346
Sept	105,881	4,558	13,666	446	87,212
October	103,918	3,488	11,658	464	88,307
November	106,170	2,974	11,679	477	91,040
December	112,565	4,726	13,286	447	94,107
Year 2020					
January	104,797	4,229	12,741	532	87,295
February	97,917	4,053	12,744	495	80,625
Year to Date					
2018	216,224	10,125	30,187	1,032	174,880
2019	226,850	10,198	26,349	1,131	189,172
2020	202,714	8,282	25,485	1,027	167,921
Rolling 12 Months Ending in February					
2019	1,301,693	56,226	161,072	5,425	1,078,970
2020	1,292,132	52,724	155,882	5,447	1,078,078

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 2018 and prior years are final. Values for 2019 and 2020 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 2.8.A. Consumption of Coal for Electricity Generation by State, by Sector, February 2020 and February 2019 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
New England	13	15	-17.0%	11	11	1	4	0	0	NM	NM
Connecticut	0	3	-100.0%	0	0	0	3	0	0	0	0
Maine	2	2	6.1%	0	0	1	1	0	0	NM	NM
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	11	11	1.5%	11	11	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	1,168	1,823	-36.0%	0	0	1,167	1,820	0	0	1	3
New Jersey	34	36	-5.4%	0	0	34	36	0	0	0	0
New York	13	24	-44.0%	0	0	13	24	0	0	0	0
Pennsylvania	1,121	1,763	-36.0%	0	0	1,119	1,760	0	0	1	3
East North Central	6,863	10,437	-34.0%	3,856	6,197	2,952	4,183	1	1	54	56
Illinois	1,501	2,749	-45.0%	117	201	1,341	2,505	1	1	43	42
Indiana	1,721	2,544	-32.0%	1,532	2,395	189	149	0	1	0	0
Michigan	905	2,004	-55.0%	888	1,987	16	15	0	0	1	2
Ohio	1,587	1,734	-8.5%	180	220	1,406	1,514	0	0	0	0
Wisconsin	1,149	1,406	-18.0%	1,139	1,394	0	0	0	0	10	13
West North Central	7,684	9,808	-22.0%	7,598	9,717	0	0	2	2	84	89
Iowa	677	1,443	-53.0%	635	1,405	0	0	1	1	41	37
Kansas	795	1,313	-39.0%	795	1,313	0	0	0	0	0	0
Minnesota	606	925	-34.0%	602	910	0	0	0	0	4	15
Missouri	2,622	2,974	-12.0%	2,622	2,974	0	0	0	0	0	0
Nebraska	1,023	1,205	-15.0%	986	1,170	0	0	0	0	37	34
North Dakota	1,864	1,791	4.0%	1,861	1,789	0	0	0	0	3	3
South Dakota	96	156	-38.0%	96	156	0	0	0	0	0	0
South Atlantic	3,209	3,863	-17.0%	2,817	3,340	380	505	1	2	11	16
Delaware	0	10	-100.0%	0	0	0	10	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	336	431	-22.0%	336	429	0	0	0	0	0	NM
Georgia	255	656	-61.0%	252	653	0	0	0	0	3	4
Maryland	38	121	-69.0%	0	0	38	119	0	0	0	1
North Carolina	311	305	1.8%	304	293	3	8	1	2	2	2
South Carolina	351	414	-15.0%	351	414	0	0	0	0	0	0
Virginia	121	103	17.0%	116	81	0	15	0	0	5	7
West Virginia	1,797	1,823	-1.4%	1,458	1,470	339	353	0	0	0	0
East South Central	3,183	3,777	-16.0%	2,932	3,712	242	56	0	0	8	9
Alabama	703	1,156	-39.0%	703	1,154	0	0	0	0	0	1
Kentucky	1,805	2,123	-15.0%	1,805	2,123	0	0	0	0	0	0
Mississippi	282	62	352.0%	39	6	242	56	0	0	0	0
Tennessee	393	436	-9.8%	385	428	0	0	0	0	8	8
West South Central	4,260	7,133	-40.0%	1,759	3,724	2,496	3,397	0	0	6	12
Arkansas	535	968	-45.0%	380	736	155	231	0	0	1	1
Louisiana	95	463	-79.0%	95	319	0	144	0	0	0	0
Oklahoma	41	541	-92.0%	36	530	0	0	0	0	5	11
Texas	3,589	5,160	-30.0%	1,247	2,138	2,341	3,022	0	0	0	0
Mountain	5,039	7,463	-32.0%	4,388	6,471	643	985	0	0	8	8
Arizona	461	1,290	-64.0%	461	1,290	0	0	0	0	0	0
Colorado	1,022	1,207	-15.0%	1,022	1,207	0	0	0	0	0	0
Idaho	NM	0	NM	0	0	0	0	0	0	NM	0
Montana	575	863	-33.0%	24	24	551	839	0	0	1	0
Nevada	53	209	-74.0%	0	142	53	67	0	0	0	0
New Mexico	596	739	-19.0%	596	739	0	0	0	0	0	0
Utah	765	1,119	-32.0%	765	1,083	0	35	0	0	0	0
Wyoming	1,566	2,036	-23.0%	1,520	1,987	39	43	0	0	7	7
Pacific Contiguous	334	637	-48.0%	82	161	245	471	0	0	6	5
California	5	5	6.1%	0	0	0	0	0	0	5	5
Oregon	82	161	-49.0%	82	161	0	0	0	0	0	0
Washington	246	471	-48.0%	0	0	245	471	0	0	1	1
Pacific Noncontiguous	102	98	4.4%	NM	32	63	64	5	3	0	0
Alaska	52	45	16.0%	NM	32	12	11	5	3	0	0
Hawaii	50	53	-5.3%	0	0	50	53	0	0	0	0
U.S. Total	31,855	45,056	-29.0%	23,478	33,365	8,189	11,484	9	8	179	198

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

Table 2.8.B. Consumption of Coal for Electricity Generation by State, by Sector, Year-to-Date through February 2020 and February 2019 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
New England	26	101	-75.0%	22	63	3	37	0	0	NM	1
Connecticut	0	34	-100.0%	0	0	0	34	0	0	0	0
Maine	4	4	-7.9%	0	0	3	3	0	0	NM	1
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	22	63	-65.0%	22	63	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	2,685	4,394	-39.0%	0	0	2,683	4,387	0	0	2	6
New Jersey	68	81	-16.0%	0	0	68	81	0	0	0	0
New York	24	114	-79.0%	0	0	24	114	0	0	0	0
Pennsylvania	2,593	4,199	-38.0%	0	0	2,590	4,193	0	0	2	6
East North Central	14,729	23,158	-36.0%	8,543	13,405	6,074	9,629	2	3	111	120
Illinois	3,019	6,309	-52.0%	253	420	2,676	5,800	1	2	88	87
Indiana	3,567	5,871	-39.0%	3,176	5,528	390	342	1	1	0	0
Michigan	2,431	4,071	-40.0%	2,395	4,034	34	32	0	0	2	5
Ohio	3,368	3,939	-14.0%	394	484	2,974	3,455	0	0	0	0
Wisconsin	2,345	2,968	-21.0%	2,324	2,939	0	0	0	0	21	29
West North Central	16,350	20,685	-21.0%	16,175	20,494	0	0	4	4	172	188
Iowa	1,500	2,859	-48.0%	1,415	2,779	0	0	3	3	82	77
Kansas	1,714	2,422	-29.0%	1,714	2,422	0	0	0	0	0	0
Minnesota	1,412	2,173	-35.0%	1,404	2,142	0	0	0	0	8	31
Missouri	5,419	6,507	-17.0%	5,418	6,507	0	0	1	1	0	0
Nebraska	2,213	2,561	-14.0%	2,137	2,487	0	0	0	0	76	74
North Dakota	3,877	3,845	0.8%	3,871	3,839	0	0	0	0	6	6
South Dakota	215	318	-32.0%	215	318	0	0	0	0	0	0
South Atlantic	6,708	10,690	-37.0%	5,926	9,378	755	1,276	2	4	25	33
Delaware	0	25	-100.0%	0	0	0	25	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	831	1,350	-38.0%	830	1,348	0	0	0	0	1	2
Georgia	530	1,798	-71.0%	524	1,791	0	0	0	0	6	8
Maryland	112	429	-74.0%	0	0	112	425	0	0	0	3
North Carolina	872	1,278	-32.0%	858	1,259	6	11	2	3	5	4
South Carolina	811	1,107	-27.0%	811	1,106	0	0	0	0	0	1
Virginia	263	303	-13.0%	245	261	5	27	0	1	13	15
West Virginia	3,290	4,400	-25.0%	2,658	3,614	632	786	0	0	0	0
East South Central	6,949	9,055	-23.0%	6,475	8,709	456	326	0	0	18	20
Alabama	1,837	2,711	-32.0%	1,837	2,708	0	0	0	0	NM	3
Kentucky	3,723	4,766	-22.0%	3,723	4,766	0	0	0	0	0	0
Mississippi	538	430	25.0%	82	104	456	326	0	0	0	0
Tennessee	850	1,148	-26.0%	833	1,131	0	0	0	0	18	16
West South Central	8,962	15,793	-43.0%	3,566	8,744	5,383	7,028	0	0	12	20
Arkansas	1,048	2,595	-60.0%	706	2,225	340	368	0	0	1	2
Louisiana	205	931	-78.0%	205	616	0	315	0	0	0	0
Oklahoma	185	1,252	-85.0%	161	1,194	13	39	0	0	11	18
Texas	7,524	11,015	-32.0%	2,494	4,708	5,030	6,307	0	0	0	0
Mountain	11,030	15,469	-29.0%	9,625	13,403	1,388	2,049	0	0	17	17
Arizona	1,154	2,499	-54.0%	1,154	2,499	0	0	0	0	0	0
Colorado	2,178	2,688	-19.0%	2,178	2,687	0	0	0	0	0	1
Idaho	1	1	-3.4%	0	0	0	0	0	0	1	1
Montana	1,223	1,816	-33.0%	27	50	1,194	1,765	0	0	1	1
Nevada	153	419	-63.0%	42	294	111	125	0	0	0	0
New Mexico	1,386	1,474	-6.0%	1,386	1,474	0	0	0	0	0	0
Utah	1,714	2,356	-27.0%	1,714	2,283	0	74	0	0	0	0
Wyoming	3,221	4,217	-24.0%	3,124	4,117	82	85	0	0	15	15
Pacific Contiguous	935	1,332	-30.0%	290	393	633	928	0	0	11	11
California	10	10	-1.8%	0	0	0	0	0	0	10	10
Oregon	290	393	-26.0%	290	393	0	0	0	0	0	0
Washington	634	929	-32.0%	0	0	633	928	0	0	2	1
Pacific Noncontiguous	178	209	-15.0%	NM	75	117	128	6	6	0	0
Alaska	84	104	-19.0%	NM	75	23	22	6	6	0	0
Hawaii	94	106	-11.0%	0	0	94	106	0	0	0	0
U.S. Total	68,552	100,887	-32.0%	50,677	74,663	17,491	25,789	14	17	370	417

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

Table 2.9.A. Consumption of Petroleum Liquids for Electricity Generation by State, by Sector, February 2020 and February 2019 (Thousand Barrels)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
New England	30	37	-20.0%	NM	9	22	23	2	4	1	1
Connecticut	NM	16	NM	NM	NM	NM	15	NM	1	0	0
Maine	2	2	23.0%	0	0	1	0	0	0	1	1
Massachusetts	NM	7	NM	NM	NM	NM	NM	NM	0	0	0
New Hampshire	4	8	-51.0%	2	6	NM	NM	2	2	0	0
Rhode Island	NM	4	NM	0	0	NM	NM	0	1	NM	NM
Vermont	NM	NM	NM	NM	NM	0	0	0	0	0	0
Middle Atlantic	72	144	-50.0%	12	42	56	97	NM	NM	2	4
New Jersey	15	8	102.0%	0	0	15	NM	0	0	0	0
New York	28	96	-70.0%	12	41	15	50	NM	NM	1	3
Pennsylvania	28	41	-31.0%	0	0	26	39	0	1	2	1
East North Central	65	75	-14.0%	39	37	26	36	0	0	0	2
Illinois	5	6	-15.0%	NM	NM	5	6	NM	NM	0	0
Indiana	16	18	-8.8%	16	16	0	0	0	0	0	1
Michigan	14	12	20.0%	14	11	0	0	0	0	0	NM
Ohio	20	28	-29.0%	2	2	18	26	0	0	0	1
Wisconsin	NM	11	NM	NM	NM	3	5	NM	0	0	0
West North Central	50	53	-6.0%	49	52	NM	NM	0	1	0	0
Iowa	NM	8	NM	NM	8	NM	NM	0	0	0	0
Kansas	18	5	247.0%	18	5	0	0	0	0	0	0
Minnesota	NM	6	NM	NM	NM	NM	NM	0	0	0	0
Missouri	14	16	-17.0%	14	16	0	0	0	0	0	0
Nebraska	NM	NM	NM	NM	NM	0	0	0	0	0	0
North Dakota	NM	11	NM	NM	11	0	0	0	0	0	0
South Dakota	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
South Atlantic	129	135	-4.2%	101	85	14	39	6	3	8	7
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	19	15	22.0%	17	13	NM	NM	0	0	1	2
Georgia	10	9	15.0%	7	5	NM	NM	NM	0	2	3
Maryland	6	24	-75.0%	0	NM	5	23	0	0	0	0
North Carolina	22	27	-18.0%	21	25	NM	NM	NM	NM	1	1
South Carolina	12	10	29.0%	12	8	0	0	0	0	0	1
Virginia	20	27	-26.0%	NM	16	3	7	6	3	3	1
West Virginia	35	16	114.0%	35	16	0	0	0	0	0	0
East South Central	30	37	-20.0%	29	35	NM	1	0	0	NM	1
Alabama	NM	2	NM	0	1	NM	1	0	0	NM	0
Kentucky	11	16	-29.0%	11	16	0	0	0	0	0	0
Mississippi	2	0	330.0%	2	0	0	0	0	0	0	0
Tennessee	16	19	-14.0%	16	18	0	0	0	0	0	0
West South Central	21	17	24.0%	14	14	7	3	0	0	0	1
Arkansas	9	4	123.0%	8	4	1	0	0	0	0	0
Louisiana	1	NM	NM	1	NM	0	0	0	0	0	0
Oklahoma	0	5	-97.0%	NM	5	0	0	0	0	0	0
Texas	11	7	53.0%	5	5	6	2	0	0	0	0
Mountain	24	32	-25.0%	24	29	NM	3	NM	NM	0	0
Arizona	7	13	-48.0%	7	13	0	0	NM	NM	0	0
Colorado	NM	NM	NM	NM	NM	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	NM	3	NM	NM	NM	NM	3	0	0	0	0
Nevada	0	3	-97.0%	0	3	0	0	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	4	4	7.9%	4	3	0	0	0	0	0	0
Wyoming	4	5	-9.5%	4	5	0	0	0	0	0	0
Pacific Contiguous	9	10	-1.1%	NM	5	1	1	NM	NM	1	3
California	NM	8	NM	NM	5	1	1	0	0	NM	2
Oregon	NM	NM	NM	0	0	0	0	NM	NM	0	0
Washington	3	2	81.0%	NM	NM	1	1	0	0	NM	NM
Pacific Noncontiguous	966	871	11.0%	836	705	106	140	2	3	23	22
Alaska	138	117	18.0%	131	112	0	0	NM	1	7	5
Hawaii	828	754	9.9%	704	594	106	140	2	2	16	18
U.S. Total	1,396	1,411	-1.1%	1,115	1,013	233	343	12	13	35	41

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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 2.9.B. Consumption of Petroleum Liquids for Electricity Generation by State, by Sector, Year-to-Date through February 2020 and February 2019 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
New England	70	161	-57.0%	8	NM	56	133	5	10	1	3
Connecticut	26	54	-51.0%	1	NM	25	50	NM	3	0	0
Maine	9	7	27.0%	0	0	7	4	1	1	1	2
Massachusetts	23	76	-69.0%	NM	NM	19	68	NM	1	0	1
New Hampshire	6	13	-52.0%	3	8	NM	NM	3	4	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	1	NM	NM
Vermont	NM	NM	NM	NM	NM	0	0	0	0	0	0
Middle Atlantic	150	707	-79.0%	24	254	120	438	NM	NM	4	11
New Jersey	21	67	-68.0%	0	3	21	63	0	0	0	0
New York	70	506	-86.0%	23	251	44	245	NM	NM	1	7
Pennsylvania	59	135	-56.0%	0	0	56	130	1	1	3	3
East North Central	144	157	-7.8%	97	85	46	67	0	1	1	4
Illinois	11	13	-21.0%	2	NM	9	12	NM	NM	0	0
Indiana	43	39	9.7%	43	37	0	0	0	0	0	2
Michigan	31	29	6.4%	31	28	0	0	0	1	0	0
Ohio	40	55	-28.0%	5	NM	35	50	0	0	0	1
Wisconsin	NM	20	NM	NM	NM	3	5	NM	0	0	0
West North Central	107	141	-24.0%	105	132	NM	NM	0	1	0	0
Iowa	NM	16	NM	NM	15	1	1	0	0	0	0
Kansas	33	19	74.0%	33	19	0	0	0	0	0	0
Minnesota	NM	21	NM	NM	14	NM	NM	0	1	0	0
Missouri	23	52	-56.0%	23	52	0	0	0	0	0	0
Nebraska	NM	NM	NM	NM	NM	0	0	0	0	0	0
North Dakota	12	20	-37.0%	12	20	0	0	0	0	0	0
South Dakota	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
South Atlantic	311	461	-33.0%	233	301	48	132	17	13	13	15
Delaware	NM	30	NM	0	0	NM	29	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	41	32	30.0%	38	28	1	NM	0	0	3	3
Georgia	24	36	-34.0%	17	22	NM	NM	0	0	5	7
Maryland	28	55	-49.0%	1	1	27	53	0	0	0	1
North Carolina	55	114	-51.0%	52	108	NM	NM	NM	NM	2	2
South Carolina	24	36	-32.0%	24	32	0	2	0	NM	1	1
Virginia	53	127	-58.0%	26	78	8	35	16	12	3	1
West Virginia	76	31	145.0%	76	31	0	0	0	0	0	0
East South Central	72	100	-28.0%	71	96	NM	1	0	0	1	3
Alabama	NM	8	NM	0	6	NM	1	0	0	NM	1
Kentucky	27	33	-19.0%	27	33	0	0	0	0	0	0
Mississippi	4	3	25.0%	3	2	0	0	0	0	0	0
Tennessee	42	56	-26.0%	41	55	0	0	0	0	0	1
West South Central	37	37	-0.5%	27	26	9	9	0	0	0	2
Arkansas	13	13	-2.4%	12	8	1	5	0	0	0	0
Louisiana	2	NM	NM	2	NM	0	0	0	0	0	0
Oklahoma	4	8	-52.0%	4	8	0	0	0	0	0	0
Texas	17	13	35.0%	9	8	8	4	0	0	0	1
Mountain	55	69	-21.0%	55	63	NM	6	NM	NM	0	0
Arizona	12	22	-48.0%	12	22	0	0	NM	NM	0	0
Colorado	NM	NM	NM	NM	NM	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	NM	5	NM	NM	NM	NM	5	0	0	0	0
Nevada	2	5	-65.0%	1	4	0	1	0	0	0	0
New Mexico	16	12	32.0%	16	12	0	0	0	0	0	0
Utah	9	8	14.0%	9	8	0	0	0	0	0	0
Wyoming	13	10	33.0%	13	10	0	0	0	0	0	0
Pacific Contiguous	25	19	26.0%	NM	12	6	4	NM	NM	3	4
California	15	14	7.9%	NM	10	3	2	0	0	1	2
Oregon	NM	NM	NM	1	1	0	0	NM	NM	0	0
Washington	9	4	110.0%	NM	NM	3	2	0	0	2	1
Pacific Noncontiguous	2,135	1,982	7.7%	1,866	1,639	215	292	8	5	46	45
Alaska	335	284	18.0%	319	272	0	0	3	2	13	10
Hawaii	1,800	1,697	6.0%	1,546	1,367	215	292	5	3	34	35
U.S. Total	3,107	3,834	-19.0%	2,501	2,624	503	1,089	34	36	70	86

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

Table 2.10.A. Consumption of Petroleum Coke for Electricity Generation by State, by Sector, February 2020 and February 2019 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
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	1	1	-56.0%	0	0	0	0	0	0	1	1
New Jersey	1	0	36.0%	0	0	0	0	0	0	1	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	0	1	-100.0%	0	0	0	0	0	0	0	1
East North Central	36	83	-56.0%	31	44	0	36	0	0	5	3
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	32	42	-25.0%	27	40	0	0	0	0	5	3
Ohio	0	36	-100.0%	0	0	0	36	0	0	0	0
Wisconsin	4	4	1.6%	4	4	0	0	0	0	0	0
West North Central	1	0	322.0%	0	0	0	0	0	0	1	0
Iowa	1	0	322.0%	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	61	48	28.0%	59	45	0	0	0	0	NM	3
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	59	45	31.0%	59	45	0	0	0	0	0	0
Georgia	NM	3	NM	0	0	0	0	0	0	NM	3
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	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	61	137	-55.0%	57	133	0	0	0	0	NM	4
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	57	134	-57.0%	57	133	0	0	0	0	0	1
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	NM	3	NM	0	0	0	0	0	0	NM	3
Mountain	14	14	0.5%	0	0	14	14	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	14	14	0.5%	0	0	14	14	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	0	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	174	283	-39.0%	147	222	14	50	0	0	13	11

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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 2020 and February 2019 (Thousand Tons)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 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	1	3	-64.0%	0	0	0	0	0	0	1	3
New Jersey	1	1	5.0%	0	0	0	0	0	0	1	1
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	0	2	-100.0%	0	0	0	0	0	0	0	2
East North Central	130	187	-30.0%	68	102	51	77	0	0	12	7
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	71	101	-30.0%	59	94	0	0	0	0	12	7
Ohio	51	77	-34.0%	0	0	51	77	0	0	0	0
Wisconsin	9	9	-0.1%	9	9	0	0	0	0	0	0
West North Central	2	1	302.0%	0	0	0	0	1	1	2	0
Iowa	2	1	302.0%	0	0	0	0	1	1	2	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	126	105	20.0%	120	98	0	0	0	0	NM	6
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	120	98	22.0%	120	98	0	0	0	0	0	0
Georgia	NM	6	NM	0	0	0	0	0	0	NM	6
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	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	170	288	-41.0%	162	280	0	0	0	0	8	8
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	162	281	-42.0%	162	280	0	0	0	0	0	1
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	8	7	15.0%	0	0	0	0	0	0	8	7
Mountain	29	29	0.7%	0	0	29	29	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	29	29	0.7%	0	0	29	29	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	459	612	-25.0%	351	481	80	106	1	1	28	25

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

Table 2.11.A. Consumption of Natural Gas for Electricity Generation by State, by Sector, February 2020 and February 2019 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
New England	28,329	25,055	13.0%	NM	31	27,073	23,901	464	461	742	661
Connecticut	12,858	10,310	25.0%	14	26	12,335	9,804	182	183	327	298
Maine	596	917	-35.0%	0	0	417	793	12	12	167	112
Massachusetts	8,851	9,755	-9.3%	NM	1	8,455	9,391	252	250	112	114
New Hampshire	1,497	624	140.0%	2	3	1,476	603	3	5	16	13
Rhode Island	4,525	3,447	31.0%	0	0	4,391	3,311	14	12	121	124
Vermont	2	1	105.0%	2	1	0	0	1	1	0	0
Middle Atlantic	109,237	96,678	13.0%	6,717	6,684	100,695	88,142	614	626	1,210	1,225
New Jersey	15,653	20,044	-22.0%	NM	NM	15,325	19,769	68	54	193	162
New York	29,442	27,355	7.6%	6,650	6,618	21,950	19,898	496	513	346	327
Pennsylvania	64,142	49,278	30.0%	0	8	63,420	48,475	50	59	671	736
East North Central	99,359	82,977	20.0%	37,167	27,180	59,215	52,801	668	616	2,309	2,379
Illinois	12,190	8,431	45.0%	2,134	190	9,556	7,735	187	149	313	357
Indiana	18,984	17,559	8.1%	8,106	7,119	9,622	9,145	76	61	1,180	1,234
Michigan	23,941	16,960	41.0%	9,048	4,492	14,327	11,897	273	265	293	306
Ohio	30,453	29,385	3.6%	4,925	5,437	25,352	23,748	84	90	92	110
Wisconsin	13,791	10,642	30.0%	12,955	9,942	358	276	49	52	430	372
West North Central	18,557	15,374	21.0%	15,551	13,251	2,457	1,683	126	138	423	302
Iowa	4,842	3,483	39.0%	4,612	3,283	0	NM	39	40	191	156
Kansas	1,602	1,297	23.0%	1,454	1,234	0	0	0	0	149	63
Minnesota	5,289	6,033	-12.0%	4,404	5,417	794	503	43	54	48	59
Missouri	4,055	2,999	35.0%	2,336	1,768	1,663	1,177	40	42	15	12
Nebraska	755	400	89.0%	752	399	0	0	4	1	0	0
North Dakota	1,088	688	58.0%	1,068	677	0	0	0	0	20	12
South Dakota	926	473	96.0%	926	473	0	0	0	0	0	0
South Atlantic	224,402	199,129	13.0%	185,956	167,414	35,037	28,681	854	854	2,555	2,181
Delaware	1,798	1,758	2.2%	1	3	1,348	1,313	0	0	448	442
District of Columbia	68	40	72.0%	0	0	0	0	68	40	0	0
Florida	96,868	86,097	13.0%	91,536	82,288	4,639	3,186	10	10	683	613
Georgia	35,031	28,592	23.0%	27,822	22,691	6,860	5,656	0	0	349	245
Maryland	9,587	8,656	11.0%	2,963	3,091	5,943	4,802	669	729	12	34
North Carolina	29,778	26,579	12.0%	24,983	22,030	4,630	4,421	94	NM	71	58
South Carolina	14,010	12,358	13.0%	13,618	11,780	294	510	0	0	99	68
Virginia	36,590	34,701	5.4%	25,026	25,449	10,900	8,655	13	5	651	592
West Virginia	673	349	93.0%	8	82	423	138	0	0	242	129
East South Central	80,468	66,517	21.0%	59,649	45,957	19,505	19,371	94	91	1,221	1,097
Alabama	29,864	26,689	12.0%	9,791	9,200	19,464	16,939	0	0	609	549
Kentucky	7,212	6,155	17.0%	7,104	5,895	24	180	0	0	84	80
Mississippi	32,761	24,392	34.0%	32,572	21,993	3	2,241	0	0	187	158
Tennessee	10,631	9,282	15.0%	10,182	8,869	15	11	94	91	340	311
West South Central	210,258	178,600	18.0%	81,412	69,310	94,579	78,690	409	402	33,859	30,198
Arkansas	8,661	12,182	-29.0%	7,923	11,429	607	593	NM	NM	96	129
Louisiana	40,368	33,986	19.0%	25,574	19,131	1,846	1,915	67	55	12,881	12,885
Oklahoma	28,634	21,945	30.0%	17,813	14,566	10,544	7,157	0	0	278	222
Texas	132,595	110,487	20.0%	30,102	24,183	81,582	69,025	307	316	20,604	16,962
Mountain	69,233	60,077	15.0%	55,612	47,869	12,439	10,937	184	178	997	1,093
Arizona	25,535	19,560	31.0%	19,059	15,908	6,427	3,604	49	49	0	0
Colorado	11,822	10,591	12.0%	10,057	8,439	1,728	2,124	8	0	30	28
Idaho	2,981	2,602	15.0%	1,759	1,431	1,154	1,103	15	13	54	55
Montana	316	655	-52.0%	289	393	24	259	0	0	3	3
Nevada	13,856	12,891	7.5%	12,433	11,383	1,240	1,224	21	22	161	262
New Mexico	7,887	7,288	8.2%	6,028	4,668	1,820	2,582	NM	39	2	0
Utah	6,111	5,909	3.4%	5,682	5,383	44	41	53	56	332	430
Wyoming	723	580	25.0%	305	265	3	0	0	0	415	315
Pacific Contiguous	60,103	66,898	-10.0%	26,312	26,467	28,127	34,704	724	762	4,940	4,965
California	41,830	49,758	-16.0%	15,014	17,598	21,297	26,544	702	735	4,817	4,881
Oregon	11,557	12,258	-5.7%	6,260	5,229	5,220	6,966	19	20	57	42
Washington	6,716	4,882	38.0%	5,038	3,639	1,609	1,194	3	7	66	42
Pacific Noncontiguous	2,648	2,278	16.0%	2,633	2,253	0	0	0	0	16	25
Alaska	2,648	2,278	16.0%	2,633	2,253	0	0	0	0	16	25
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	902,594	793,583	14.0%	471,058	406,415	379,128	338,912	4,138	4,129	48,271	44,128

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

Table 2.11.B. Consumption of Nautral Gas for Electricity Generation by State, by Sector, Year-to-Date through February 2020 and February 2019 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
New England	61,115	53,954	13.0%	NM	NM	58,457	51,542	976	936	1,563	1,361
Connecticut	26,743	22,023	21.0%	38	56	25,635	20,997	381	368	689	602
Maine	1,370	1,951	-30.0%	0	0	993	1,690	25	24	352	237
Massachusetts	19,954	20,950	-4.7%	NM	NM	19,111	20,151	534	507	234	239
New Hampshire	3,519	1,892	86.0%	3	4	3,479	1,850	5	9	32	28
Rhode Island	9,525	7,136	33.0%	0	0	9,239	6,854	30	27	256	255
Vermont	4	3	28.0%	3	2	0	0	1	2	0	0
Middle Atlantic	228,743	198,691	15.0%	13,956	13,561	210,926	181,325	1,311	1,295	2,549	2,510
New Jersey	33,543	40,990	-18.0%	NM	NM	32,828	40,417	154	117	401	337
New York	61,221	56,044	9.2%	13,795	13,432	45,662	40,892	1,046	1,052	717	668
Pennsylvania	133,979	101,657	32.0%	1	11	132,436	100,016	112	126	1,431	1,505
East North Central	212,009	172,118	23.0%	80,576	59,026	125,228	106,949	1,369	1,264	4,836	4,878
Illinois	26,086	18,274	43.0%	4,048	578	20,966	16,639	363	305	709	753
Indiana	40,591	36,429	11.0%	17,580	14,789	20,443	19,030	160	129	2,407	2,480
Michigan	51,224	36,907	39.0%	21,019	11,305	29,020	24,410	567	551	618	641
Ohio	64,411	58,546	10.0%	10,431	11,703	53,618	46,431	172	186	190	226
Wisconsin	29,698	21,962	35.0%	27,498	20,651	1,181	439	107	93	912	779
West North Central	40,244	30,089	34.0%	33,673	25,499	5,567	3,604	276	284	728	702
Iowa	9,219	7,315	26.0%	8,777	6,825	0	NM	86	82	356	400
Kansas	2,918	2,676	9.0%	2,709	2,545	0	0	0	0	209	131
Minnesota	12,745	10,218	25.0%	11,012	8,926	1,542	1,051	90	119	102	122
Missouri	9,225	6,450	43.0%	5,077	3,800	4,025	2,545	93	80	30	26
Nebraska	1,718	816	111.0%	1,711	813	0	0	7	3	0	0
North Dakota	2,353	1,547	52.0%	2,321	1,524	0	0	0	0	32	23
South Dakota	2,066	1,067	94.0%	2,066	1,067	0	0	0	0	0	0
South Atlantic	447,607	402,864	11.0%	371,662	339,596	68,825	56,828	1,814	1,873	5,306	4,568
Delaware	3,870	3,321	17.0%	3	3	2,897	2,490	0	0	971	827
District of Columbia	124	113	9.4%	0	0	0	0	124	113	0	0
Florida	194,127	176,253	10.0%	184,321	169,195	8,364	5,699	21	19	1,421	1,339
Georgia	67,791	59,304	14.0%	54,144	47,745	12,926	11,001	0	0	721	558
Maryland	16,687	16,656	0.2%	4,053	5,591	11,150	9,430	1,455	1,567	29	68
North Carolina	58,757	51,781	13.0%	49,011	42,375	9,397	9,111	192	160	157	134
South Carolina	28,305	24,546	15.0%	27,543	23,534	562	871	0	0	200	140
Virginia	76,612	69,989	9.5%	52,574	50,888	22,665	17,857	22	13	1,351	1,231
West Virginia	1,334	902	48.0%	14	263	865	367	0	0	455	272
East South Central	158,761	138,892	14.0%	113,909	96,347	42,149	39,939	198	178	2,505	2,428
Alabama	57,166	53,743	6.4%	17,793	19,328	38,100	33,209	0	0	1,274	1,206
Kentucky	15,908	15,698	1.3%	15,537	14,835	198	695	0	0	174	169
Mississippi	64,591	50,331	28.0%	60,384	43,949	3,822	6,011	0	0	385	371
Tennessee	21,096	19,119	10.0%	20,195	18,234	30	25	198	178	673	682
West South Central	427,452	386,946	10.0%	166,866	144,261	188,797	176,067	830	823	70,959	65,795
Arkansas	20,424	21,308	-4.2%	18,914	19,724	1,237	1,236	NM	NM	199	280
Louisiana	80,728	73,453	9.9%	49,575	42,168	3,880	3,930	140	121	27,132	27,234
Oklahoma	58,560	47,315	24.0%	36,279	30,010	21,685	16,780	0	0	597	525
Texas	267,740	244,870	9.3%	62,098	52,359	161,995	154,122	617	633	43,030	37,756
Mountain	142,011	123,630	15.0%	112,037	99,193	27,487	21,873	389	380	2,097	2,185
Arizona	52,848	41,387	28.0%	38,031	33,476	14,724	7,808	93	103	0	0
Colorado	22,156	20,422	8.5%	18,997	17,130	3,072	3,228	27	7	60	58
Idaho	6,454	5,526	17.0%	3,778	3,048	2,524	2,344	30	26	121	107
Montana	699	1,161	-40.0%	624	681	68	472	0	0	7	8
Nevada	29,376	27,074	8.5%	26,442	24,098	2,565	2,562	43	42	327	372
New Mexico	16,446	15,034	9.4%	11,923	9,580	4,439	5,369	82	85	2	0
Utah	12,466	11,919	4.6%	11,558	10,799	88	86	114	117	706	917
Wyoming	1,565	1,109	41.0%	685	382	6	3	0	0	874	723
Pacific Contiguous	130,960	141,472	-7.4%	56,919	55,982	61,867	73,247	1,584	1,613	10,589	10,630
California	89,163	101,786	-12.0%	31,858	35,289	45,433	54,476	1,540	1,562	10,331	10,460
Oregon	26,108	26,052	0.2%	13,690	11,783	12,256	14,145	40	38	122	86
Washington	15,688	13,634	15.0%	11,370	8,910	4,178	4,625	3	14	136	85
Pacific Noncontiguous	5,776	4,946	17.0%	5,742	4,894	0	0	0	0	34	52
Alaska	5,776	4,946	17.0%	5,742	4,894	0	0	0	0	34	52
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,854,676	1,653,603	12.0%	955,459	838,473	789,303	711,374	8,747	8,646	101,167	95,109

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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 2020 and February 2019 (Million Cubic Feet)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
New England	821	768	7.0%	0	0	800	747	22	21	0	0
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	48	NM	NM	0	0	48	NM	0	0	0	0
Massachusetts	287	272	5.7%	0	0	287	272	0	0	0	0
New Hampshire	84	82	2.2%	0	0	62	NM	22	21	0	0
Rhode Island	367	334	9.9%	0	0	367	334	0	0	0	0
Vermont	NM	NM	NM	0	0	NM	NM	0	0	0	0
Middle Atlantic	3,638	3,625	0.3%	0	0	3,510	3,508	NM	NM	84	76
New Jersey	438	531	-18.0%	0	0	424	518	NM	NM	0	0
New York	1,210	1,138	6.4%	0	0	1,210	1,138	0	0	0	0
Pennsylvania	1,989	1,956	1.7%	0	0	1,876	1,852	NM	NM	84	76
East North Central	4,473	4,409	1.5%	709	662	3,714	3,702	28	23	23	22
Illinois	798	753	6.0%	192	178	606	575	0	0	0	0
Indiana	606	568	6.9%	517	484	89	83	0	0	0	0
Michigan	1,540	1,485	3.7%	0	0	1,540	1,485	0	0	0	0
Ohio	718	865	-17.0%	0	0	718	865	0	0	0	0
Wisconsin	810	739	9.7%	0	0	760	694	28	23	23	22
West North Central	721	679	6.1%	239	228	482	451	0	0	0	0
Iowa	194	180	7.9%	0	0	194	180	0	0	0	0
Kansas	113	106	6.1%	0	0	113	106	0	0	0	0
Minnesota	157	149	4.8%	49	NM	107	101	0	0	0	0
Missouri	127	122	3.5%	59	NM	68	NM	0	0	0	0
Nebraska	130	121	7.8%	130	121	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	3,866	3,619	6.8%	321	303	3,318	3,071	NM	106	152	139
Delaware	83	NM	NM	0	0	74	NM	0	0	NM	NM
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	745	701	6.3%	139	126	606	575	0	0	0	0
Georgia	507	492	3.2%	0	0	487	481	0	0	20	11
Maryland	161	190	-15.0%	0	0	120	114	NM	NM	0	0
North Carolina	819	762	7.5%	0	0	804	748	NM	NM	0	0
South Carolina	327	316	3.5%	177	171	NM	NM	0	0	124	120
Virginia	1,223	1,080	13.0%	4	7	1,201	1,057	NM	NM	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	383	369	4.0%	163	154	221	214	0	0	0	0
Alabama	60	NM	NM	0	0	60	NM	0	0	0	0
Kentucky	175	171	2.0%	163	154	12	NM	0	0	0	0
Mississippi	NM	NM	NM	0	0	NM	NM	0	0	0	0
Tennessee	130	123	5.8%	0	0	130	123	0	0	0	0
West South Central	829	893	-7.2%	0	0	829	842	0	52	0	0
Arkansas	85	NM	NM	0	0	85	NM	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	35	NM	NM	0	0	35	NM	0	0	0	0
Texas	709	780	-9.0%	0	0	709	728	0	52	0	0
Mountain	426	457	-6.7%	NM	NM	362	388	44	49	0	0
Arizona	68	NM	NM	0	0	68	NM	0	0	0	0
Colorado	76	NM	NM	0	0	76	NM	0	0	0	0
Idaho	45	NM	NM	NM	NM	NM	NM	18	17	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	115	109	5.0%	0	0	115	109	0	0	0	0
New Mexico	NM	NM	NM	0	0	NM	NM	0	0	0	0
Utah	114	160	-29.0%	0	0	88	128	26	32	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	4,048	3,953	2.4%	104	95	2,869	2,763	1,075	1,095	0	0
California	3,517	3,487	0.9%	NM	NM	2,470	2,417	1,041	1,064	0	0
Oregon	443	382	16.0%	97	NM	312	263	NM	NM	0	0
Washington	88	NM	NM	0	0	88	NM	0	0	0	0
Pacific Noncontiguous	62	60	4.0%	0	0	0	0	62	60	0	0
Alaska	62	60	4.0%	0	0	0	0	62	60	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	19,269	18,832	2.3%	1,556	1,462	16,106	15,686	1,349	1,448	259	237

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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 2020 and February 2019 (Million Cubic Feet)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
New England	1,706	1,533	11.0%	0	0	1,679	1,490	27	43	0	0
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	100	NM	NM	0	0	100	NM	0	0	0	0
Massachusetts	602	568	5.9%	0	0	602	568	0	0	0	0
New Hampshire	159	168	-5.1%	0	0	132	125	27	43	0	0
Rhode Island	770	633	22.0%	0	0	770	633	0	0	0	0
Vermont	37	NM	NM	0	0	37	NM	0	0	0	0
Middle Atlantic	7,563	7,535	0.4%	0	0	7,285	7,285	NM	94	191	156
New Jersey	919	1,089	-16.0%	0	0	891	1,060	NM	NM	0	0
New York	2,493	2,384	4.6%	0	0	2,493	2,384	0	0	0	0
Pennsylvania	4,151	4,062	2.2%	0	0	3,901	3,841	NM	NM	191	156
East North Central	9,364	9,269	1.0%	1,482	1,423	7,782	7,733	54	68	46	45
Illinois	1,671	1,570	6.4%	402	369	1,268	1,201	0	0	0	0
Indiana	1,259	1,233	2.1%	1,080	1,054	179	180	0	0	0	0
Michigan	3,197	3,118	2.5%	0	0	3,197	3,118	0	0	0	0
Ohio	1,541	1,789	-14.0%	0	0	1,541	1,789	0	0	0	0
Wisconsin	1,697	1,559	8.9%	0	0	1,597	1,446	54	68	46	45
West North Central	1,486	1,415	5.1%	483	456	1,003	958	0	0	0	0
Iowa	399	386	3.2%	0	0	399	386	0	0	0	0
Kansas	237	224	5.6%	0	0	237	224	0	0	0	0
Minnesota	329	308	6.6%	104	NM	225	213	0	0	0	0
Missouri	267	248	7.7%	124	113	142	134	0	0	0	0
Nebraska	255	248	3.0%	255	248	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	7,949	7,562	5.1%	634	622	6,863	6,420	152	226	300	295
Delaware	173	165	5.3%	0	0	156	146	0	0	NM	NM
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,520	1,482	2.6%	253	263	1,267	1,220	0	0	0	0
Georgia	1,070	1,001	7.0%	0	0	1,041	978	0	0	29	22
Maryland	336	398	-16.0%	0	0	251	237	NM	162	0	0
North Carolina	1,681	1,603	4.9%	0	0	1,651	1,573	NM	NM	0	0
South Carolina	681	652	4.5%	373	346	55	NM	0	0	253	254
Virginia	2,487	2,261	10.0%	9	14	2,441	2,213	NM	NM	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	806	762	5.8%	340	321	465	440	0	0	0	0
Alabama	126	118	6.0%	0	0	126	118	0	0	0	0
Kentucky	368	348	5.7%	340	321	28	NM	0	0	0	0
Mississippi	39	NM	NM	0	0	39	NM	0	0	0	0
Tennessee	273	258	5.8%	0	0	273	258	0	0	0	0
West South Central	1,733	1,850	-6.3%	0	0	1,733	1,741	0	109	0	0
Arkansas	178	168	5.9%	0	0	178	168	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	73	NM	NM	0	0	73	NM	0	0	0	0
Texas	1,481	1,612	-8.1%	0	0	1,481	1,503	0	109	0	0
Mountain	886	951	-6.8%	42	NM	773	812	71	100	0	0
Arizona	142	134	5.7%	0	0	142	134	0	0	0	0
Colorado	160	152	5.6%	0	0	160	152	0	0	0	0
Idaho	77	88	-12.0%	42	NM	NM	NM	20	35	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	240	226	6.5%	0	0	240	226	0	0	0	0
New Mexico	NM	NM	NM	0	0	NM	NM	0	0	0	0
Utah	249	335	-26.0%	0	0	198	271	50	64	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	8,420	8,371	0.6%	214	199	6,012	5,823	2,194	2,349	0	0
California	7,318	7,373	-0.7%	NM	NM	5,177	5,076	2,126	2,283	0	0
Oregon	918	824	11.0%	200	185	651	572	NM	66	0	0
Washington	185	174	6.0%	0	0	185	174	0	0	0	0
Pacific Noncontiguous	126	110	15.0%	0	0	0	0	126	110	0	0
Alaska	126	110	15.0%	0	0	0	0	126	110	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	40,040	39,356	1.7%	3,197	3,061	33,597	32,702	2,710	3,098	537	495

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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 2.13.A. Consumption of Biogenic Municipal Solid Waste for Electricity Generation by State, by Sector, February 2020 and February 2019 (Thousand Tons)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
New England	253	245	3.6%	0	0	243	232	10	13	0	0
Connecticut	86	84	2.0%	0	0	86	84	0	0	0	0
Maine	19	23	-18.0%	0	0	8	10	10	13	0	0
Massachusetts	139	129	8.0%	0	0	139	129	0	0	0	0
New Hampshire	10	9	9.5%	0	0	10	9	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	393	379	3.7%	0	0	307	303	85	75	0	0
New Jersey	98	94	4.0%	0	0	71	69	27	25	0	0
New York	150	140	7.4%	0	0	114	110	36	30	0	0
Pennsylvania	145	145	0.0%	0	0	122	124	22	20	0	0
East North Central	13	17	-22.0%	2	3	0	0	11	14	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	2	2	7.9%	0	0	0	0	2	2	0	0
Michigan	9	13	-29.0%	0	0	0	0	9	13	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	2	3	-6.1%	2	3	0	0	0	0	0	0
West North Central	31	32	-2.2%	12	17	19	15	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	31	32	-2.2%	12	17	19	15	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	413	382	8.3%	0	0	381	351	32	31	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	298	251	19.0%	0	0	298	251	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	26	42	-38.0%	0	0	26	42	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	89	89	0.1%	0	0	57	58	32	31	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	1	1	10.0%	0	0	0	0	0	0	1	1
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	1	1	10.0%	0	0	0	0	0	0	1	1
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	51	48	5.9%	0	0	51	48	0	0	0	0
California	29	29	0.7%	0	0	29	29	0	0	0	0
Oregon	9	9	6.4%	0	0	9	9	0	0	0	0
Washington	12	10	20.0%	0	0	12	10	0	0	0	0
Pacific Noncontiguous	27	35	-22.0%	0	0	0	0	27	35	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	27	35	-22.0%	0	0	0	0	27	35	0	0
U.S. Total	1,183	1,138	4.0%	14	20	1,002	948	166	169	1	1

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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 2020 and February 2019 (Thousand Tons)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
New England	529	508	4.3%	0	0	506	480	23	28	0	0
Connecticut	172	156	10.0%	0	0	172	156	0	0	0	0
Maine	41	47	-12.0%	0	0	18	20	23	28	0	0
Massachusetts	298	285	4.5%	0	0	298	285	0	0	0	0
New Hampshire	18	19	-4.9%	0	0	18	19	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	826	804	2.8%	0	0	653	639	174	165	0	0
New Jersey	211	208	1.5%	0	0	155	154	56	54	0	0
New York	304	288	5.6%	0	0	231	220	72	68	0	0
Pennsylvania	312	309	1.1%	0	0	266	265	46	44	0	0
East North Central	28	36	-24.0%	5	5	0	0	22	31	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	3	3	3.0%	0	0	0	0	3	3	0	0
Michigan	19	28	-31.0%	0	0	0	0	19	28	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	5	5	-0.9%	5	5	0	0	0	0	0	0
West North Central	67	79	-16.0%	28	44	39	36	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	67	79	-16.0%	28	44	39	36	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	839	835	0.6%	0	0	773	769	66	66	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	596	557	7.1%	0	0	596	557	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	55	90	-39.0%	0	0	55	90	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	188	188	0.1%	0	0	122	122	66	66	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	2	1	31.0%	0	0	0	0	0	0	2	1
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	2	1	31.0%	0	0	0	0	0	0	2	1
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	109	103	6.1%	0	0	109	103	0	0	0	0
California	65	61	8.1%	0	0	65	61	0	0	0	0
Oregon	19	18	2.2%	0	0	19	18	0	0	0	0
Washington	25	24	3.8%	0	0	25	24	0	0	0	0
Pacific Noncontiguous	69	70	-2.4%	0	0	0	0	69	70	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	69	70	-2.4%	0	0	0	0	69	70	0	0
U.S. Total	2,470	2,437	1.3%	33	49	2,081	2,027	354	359	2	1

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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 2020 and February 2019 (Billion Btus)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
New England	3,393	4,120	-18.0%	411	741	2,532	2,971	1	1	450	406
Connecticut	246	256	-3.9%	0	0	246	256	0	0	0	0
Maine	1,286	1,578	-19.0%	0	0	836	1,172	0	0	450	406
Massachusetts	159	174	-8.9%	0	0	159	174	0	0	0	0
New Hampshire	1,139	1,541	-26.0%	28	368	1,111	1,172	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	563	570	-1.3%	383	373	180	196	1	1	0	0
Middle Atlantic	738	659	12.0%	0	0	470	395	0	0	267	264
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	548	473	16.0%	0	0	470	395	0	0	77	78
Pennsylvania	190	186	2.0%	0	0	0	0	0	0	190	186
East North Central	1,870	1,877	-0.4%	351	333	962	975	0	0	557	569
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	1,207	1,266	-4.7%	0	0	953	964	0	0	254	302
Ohio	100	86	17.0%	0	0	9	12	0	0	91	74
Wisconsin	564	526	7.1%	351	333	0	0	0	0	212	193
West North Central	466	459	1.6%	81	82	115	110	28	45	242	223
Iowa	6	7	-18.0%	0	0	0	0	6	7	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	438	425	3.1%	81	82	115	110	0	11	242	223
Missouri	22	27	-18.0%	0	0	0	0	22	27	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	10,036	9,311	7.8%	1,962	2,189	2,989	2,137	12	12	5,073	4,973
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	1,244	1,565	-21.0%	497	707	144	161	0	0	603	698
Georgia	3,357	2,552	32.0%	0	0	1,296	628	0	0	2,061	1,925
Maryland	12	55	-78.0%	0	0	0	0	12	12	0	44
North Carolina	1,330	1,022	30.0%	0	0	772	522	0	0	557	501
South Carolina	1,378	1,450	-5.0%	117	188	482	521	0	0	779	742
Virginia	2,715	2,666	1.9%	1,348	1,295	294	307	0	0	1,073	1,064
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	2,929	2,842	3.0%	0	0	0	121	0	0	2,929	2,722
Alabama	1,893	1,917	-1.3%	0	0	0	121	0	0	1,893	1,796
Kentucky	132	105	26.0%	0	0	0	0	0	0	132	105
Mississippi	536	486	10.0%	0	0	0	0	0	0	536	486
Tennessee	367	335	9.7%	0	0	0	0	0	0	367	335
West South Central	2,064	2,185	-5.5%	0	0	194	0	0	0	1,870	2,185
Arkansas	413	559	-26.0%	0	0	0	0	0	0	413	559
Louisiana	953	1,144	-17.0%	0	0	0	0	0	0	953	1,144
Oklahoma	154	125	24.0%	0	0	0	0	0	0	154	125
Texas	544	358	52.0%	0	0	194	0	0	0	350	358
Mountain	535	503	6.3%	0	0	378	379	0	0	157	124
Arizona	242	266	-9.2%	0	0	242	266	0	0	0	0
Colorado	113	93	21.0%	0	0	113	93	0	0	0	0
Idaho	161	125	28.0%	0	0	24	19	0	0	137	106
Montana	20	19	5.0%	0	0	0	0	0	0	20	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	5,177	5,289	-2.1%	388	421	3,230	3,328	0	0	1,559	1,540
California	3,538	3,736	-5.3%	0	0	2,997	3,086	0	0	541	650
Oregon	621	539	15.0%	0	0	233	242	0	0	388	296
Washington	1,019	1,015	0.5%	388	421	0	0	0	0	631	594
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	27,208	27,246	-0.1%	3,194	3,766	10,869	10,416	41	57	13,104	13,007

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Table 2.14.B. Consumption of Wood / Wood Waste Biomass for Electricity Generation by State, by Sector, Year-to-Date through February 2020 and February 2019 (Billion Btus)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
New England	7,014	8,978	-22.0%	1,014	1,692	5,075	6,413	2	2	923	872
Connecticut	482	560	-14.0%	0	0	482	560	0	0	0	0
Maine	2,620	3,428	-24.0%	0	0	1,698	2,556	0	0	923	872
Massachusetts	328	359	-8.7%	0	0	328	359	0	0	0	0
New Hampshire	2,462	3,415	-28.0%	259	885	2,202	2,529	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	1,122	1,217	-7.8%	754	806	365	408	2	2	0	0
Middle Atlantic	1,481	1,471	0.7%	0	0	921	917	0	0	560	554
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	1,082	1,079	0.3%	0	0	921	916	0	0	161	163
Pennsylvania	399	391	1.8%	0	0	0	0	0	0	399	391
East North Central	3,711	4,199	-12.0%	679	804	1,868	2,175	0	0	1,165	1,220
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	2,382	2,779	-14.0%	0	0	1,849	2,151	0	0	533	628
Ohio	210	180	16.0%	0	0	19	24	0	0	191	157
Wisconsin	1,120	1,239	-9.7%	679	804	0	0	0	0	441	435
West North Central	946	960	-1.5%	162	178	239	230	61	83	484	469
Iowa	11	15	-24.0%	0	0	0	0	11	15	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	885	888	-0.4%	162	178	239	230	0	11	484	469
Missouri	50	57	-12.0%	0	0	0	0	50	57	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	20,579	20,237	1.7%	3,980	4,728	5,950	5,093	26	25	10,624	10,390
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	2,762	3,630	-24.0%	1,089	1,511	297	769	0	0	1,375	1,349
Georgia	6,802	5,449	25.0%	0	0	2,553	1,323	0	0	4,249	4,126
Maryland	26	120	-79.0%	0	0	0	0	26	25	0	95
North Carolina	2,646	2,276	16.0%	0	0	1,524	1,255	0	0	1,122	1,021
South Carolina	2,831	2,984	-5.1%	243	338	998	1,078	0	0	1,590	1,568
Virginia	5,513	5,778	-4.6%	2,648	2,879	578	668	0	0	2,287	2,230
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	6,032	5,849	3.1%	0	0	0	250	0	0	6,032	5,598
Alabama	3,902	3,907	-0.1%	0	0	0	250	0	0	3,902	3,657
Kentucky	275	229	21.0%	0	0	0	0	0	0	275	229
Mississippi	1,087	1,012	7.4%	0	0	0	0	0	0	1,087	1,012
Tennessee	767	701	9.4%	0	0	0	0	0	0	767	701
West South Central	4,041	4,488	-9.9%	0	0	194	0	0	0	3,848	4,488
Arkansas	849	1,148	-26.0%	0	0	0	0	0	0	849	1,148
Louisiana	1,956	2,335	-16.0%	0	0	0	0	0	0	1,956	2,335
Oklahoma	317	268	18.0%	0	0	0	0	0	0	317	268
Texas	919	737	25.0%	0	0	194	0	0	0	725	737
Mountain	1,079	1,065	1.3%	0	0	766	788	0	0	313	277
Arizona	494	550	-10.0%	0	0	494	550	0	0	0	0
Colorado	223	190	17.0%	0	0	223	190	0	0	0	0
Idaho	322	285	13.0%	0	0	50	48	0	0	272	236
Montana	41	40	1.0%	0	0	0	0	0	0	41	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	10,801	11,376	-5.1%	784	883	6,523	7,150	0	0	3,494	3,343
California	7,426	8,032	-7.5%	0	0	6,066	6,620	0	0	1,361	1,411
Oregon	1,289	1,194	7.9%	0	0	457	529	0	0	832	665
Washington	2,086	2,150	-3.0%	784	883	0	0	0	0	1,302	1,267
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	55,683	58,622	-5.0%	6,618	8,286	21,536	23,016	89	109	27,441	27,211

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.

Chapter 3

Fossil-Fuel Stocks for Electricity Generation

Table 3.1. Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, 2010 - February 2020

	Electric Power Sector			Electric Utilities			Independent Power Producers		
Period	Coal (Thousand Tons)	Petroluem Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)	Petroluem Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)	Petroluem Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)
End of Year Stocks									
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	137,687	29,279	864	114,782	20,238	692	22,905	9,041	171
2018	103,043	27,324	539	84,978	17,836	521	18,065	9,488	19
2019	128,497	27,067	443	104,344	17,734	429	24,153	9,333	14
Year 2018, End of Month Stocks									
January	123,692	27,383	720	104,185	19,110	579	19,508	8,273	141
February	120,945	28,346	692	101,922	19,655	561	19,023	8,691	131
March	126,422	28,280	736	106,761	19,746	612	19,660	8,534	124
April	128,965	28,129	731	108,237	19,685	647	20,728	8,444	84
May	128,356	28,313	709	107,525	19,763	648	20,831	8,550	61
June	121,394	27,986	591	101,828	19,386	526	19,567	8,601	65
July	110,677	27,371	668	93,408	18,803	614	17,269	8,568	53
August	104,048	26,200	625	88,230	17,921	580	15,818	8,279	45
Sept	100,680	25,976	608	84,975	17,693	557	15,705	8,283	51
October	105,134	25,935	541	87,656	17,463	511	17,478	8,472	30
November	104,336	26,060	557	86,496	17,391	540	17,840	8,669	16
December	103,043	27,324	539	84,978	17,836	521	18,065	9,488	19
Year 2019, End of Month Stocks									
January	99,378	27,060	528	81,756	17,719	518	17,622	9,341	9
February	98,835	27,301	506	81,339	17,954	495	17,497	9,347	11
March	97,102	27,319	498	79,627	18,069	482	17,475	9,250	16
April	108,852	27,457	510	88,960	18,230	501	19,891	9,227	10
May	115,888	27,568	445	93,643	18,344	435	22,245	9,224	10
June	117,710	27,324	389	94,364	18,122	382	23,346	9,202	7
July	110,933	26,944	355	89,638	17,844	348	21,295	9,100	8
August	110,560	26,245	381	89,229	17,316	373	21,331	8,929	8
Sept	110,952	26,459	293	89,877	17,523	282	21,075	8,935	11
October	119,045	26,374	283	96,515	17,494	277	22,530	8,881	6
November	123,033	26,625	425	99,827	17,565	408	23,207	9,060	17
December	128,497	27,067	443	104,344	17,734	429	24,153	9,333	14
Year 2020, End of Month Stocks									
January	134,402	26,431	521	108,369	17,467	518	26,033	8,965	2
February	140,262	26,269	615	113,146	17,374	599	27,117	8,895	16

Notes: See Glossary for definitions. Values for 2018 and prior years are final. Values for 2019 and 2020 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 2020 and 2019

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	February 2020	February 2019	Percentage Change	February 2020	February 2019	Percentage Change	February 2020	February 2019	Percentage Change
New England	451	508	-11.2%	3,270	3,447	-5.1%	0	0	--
Connecticut	W	W	W	1,149	1,212	-5.2%	0	0	--
Maine	0	0	--	215	293	-26.7%	0	0	--
Massachusetts	W	W	W	1,332	1,341	-0.7%	0	0	--
New Hampshire	W	W	W	340	364	-6.7%	0	0	--
Rhode Island	0	W	W	197	195	0.9%	0	0	--
Vermont	0	0	--	39	42	-8.0%	0	0	--
Middle Atlantic	5,015	3,289	52.5%	5,264	5,267	-0.1%	0	0	--
New Jersey	W	W	W	700	663	5.5%	0	0	--
New York	W	W	W	3,318	3,222	3.0%	0	0	--
Pennsylvania	4,851	3,071	57.9%	1,247	1,382	-9.8%	0	0	--
East North Central	30,804	17,879	72.3%	1,016	1,074	-5.4%	82	56	44.5%
Illinois	5,440	4,471	21.7%	66	75	-12.4%	0	0	--
Indiana	9,947	5,865	69.6%	100	95	4.9%	W	W	W
Michigan	5,565	2,790	99.4%	271	292	-7.1%	W	W	W
Ohio	6,872	2,386	188.1%	419	411	2.0%	0	0	--
Wisconsin	2,981	2,367	25.9%	160	201	-20.1%	W	W	W
West North Central	24,437	17,285	41.4%	759	876	-13.3%	0	0	--
Iowa	5,632	2,758	104.2%	112	134	-16.8%	0	0	--
Kansas	3,614	2,872	25.8%	92	120	-23.4%	0	0	--
Minnesota	3,546	2,313	53.3%	75	96	-21.5%	0	0	--
Missouri	7,479	6,088	22.8%	320	346	-7.5%	0	0	--
Nebraska	2,644	1,822	45.1%	75	105	-28.9%	0	0	--
North Dakota	W	W	W	47	33	44.6%	0	0	--
South Dakota	W	W	W	39	43	-8.5%	0	0	--
South Atlantic	25,195	18,887	33.4%	10,720	10,921	-1.8%	W	W	W
Delaware	W	W	W	608	566	7.4%	0	0	--
District of Columbia	0	0	--	0	0	--	0	0	--
Florida	3,116	3,379	-7.8%	3,872	4,244	-8.8%	W	W	W
Georgia	5,794	4,170	38.9%	910	820	10.9%	0	0	--
Maryland	1,884	1,636	15.1%	655	710	-7.7%	0	0	--
North Carolina	4,547	3,535	28.6%	1,336	1,229	8.7%	0	0	--
South Carolina	2,580	1,943	32.8%	748	711	5.2%	0	0	--
Virginia	W	803	W	2,446	2,497	-2.0%	0	0	--
West Virginia	6,079	W	W	145	143	1.9%	W	W	W
East South Central	13,148	9,494	38.5%	1,183	1,313	-9.9%	0	0	--
Alabama	2,980	W	W	211	211	-0.2%	0	0	--
Kentucky	6,437	4,724	36.3%	224	230	-2.7%	0	0	--
Mississippi	W	W	W	26	36	-28.2%	0	0	--
Tennessee	W	2,435	W	722	835	-13.5%	0	0	--
West South Central	22,505	15,685	43.5%	1,311	1,342	-2.3%	W	W	W
Arkansas	4,372	3,184	37.3%	165	162	2.0%	0	0	--
Louisiana	3,317	2,170	52.8%	232	222	4.4%	W	W	W
Oklahoma	2,898	2,969	-2.4%	88	91	-3.0%	0	0	--
Texas	11,918	7,363	61.9%	825	866	-4.8%	0	0	--
Mountain	17,311	15,087	14.7%	336	377	-10.9%	W	W	W
Arizona	3,667	2,812	30.4%	111	139	-20.2%	0	0	--
Colorado	3,823	3,804	0.5%	108	121	-10.8%	0	0	--
Idaho	0	0	--	0	0	-36.8%	0	0	--
Montana	W	W	W	15	19	-20.7%	W	W	W
Nevada	W	W	W	3	2	45.5%	0	0	--
New Mexico	W	W	W	11	22	-51.3%	0	0	--
Utah	2,997	2,846	5.3%	51	44	15.5%	0	0	--
Wyoming	4,968	3,532	40.7%	36	29	26.3%	0	0	--
Pacific Contiguous	W	W	W	334	351	-4.9%	0	0	--
California	0	0	--	167	175	-4.3%	0	0	--
Oregon	W	W	W	73	80	-8.5%	0	0	--
Washington	W	W	W	94	97	-2.9%	0	0	--
Pacific Noncontiguous	W	W	W	2,076	2,335	-11.1%	0	0	--
Alaska	0	0	--	53	196	-73.1%	0	0	--
Hawaii	W	W	W	2,023	2,139	-5.4%	0	0	--
U.S. Total	140,262	98,835	41.9%	26,269	27,301	-3.8%	615	506	21.5%

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

Table 3.3 Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, by Census Divison, February 2020 and 2019

	Electric Power Sector			Electric Utilities		Independent Power Producers	
Census Division	February 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019
Coal (Thousand Tons)							
New England	451	508	-11.2%	W	W	W	W
Middle Atlantic	5,015	3,289	52.5%	0	0	5,015	3,289
East North Central	30,804	17,879	72.3%	19,925	12,109	10,879	5,770
West North Central	24,437	17,285	41.4%	24,437	17,285	0	0
South Atlantic	25,195	18,887	33.4%	22,579	16,458	2,616	2,429
East South Central	13,148	9,494	38.5%	13,148	9,494	0	0
West South Central	22,505	15,685	43.5%	15,674	11,394	6,831	4,291
Mountain	17,311	15,087	14.7%	W	W	W	W
Pacific Contiguous	W	W	W	W	W	W	W
Pacific Noncontiguous	W	W	W	0	0	W	W
U.S. Total	**140,262**	**98,835**	**41.9%**	**113,146**	**81,339**	**27,117**	**17,497**
Petroleum Liquids (Thousand Barrels)							
New England	3,270	3,447	-5.1%	473	511	2,798	2,935
Middle Atlantic	5,264	5,267	-0.1%	2,204	1,981	3,060	3,286
East North Central	1,016	1,074	-5.4%	695	701	321	373
West North Central	759	876	-13.3%	737	852	22	23
South Atlantic	10,720	10,921	-1.8%	8,526	8,735	2,193	2,186
East South Central	1,183	1,313	-9.9%	1,090	1,221	93	92
West South Central	1,311	1,342	-2.3%	1,049	1,019	262	323
Mountain	336	377	-10.9%	307	348	29	29
Pacific Contiguous	334	351	-4.9%	258	271	76	79
Pacific Noncontiguous	2,076	2,335	-11.1%	2,035	2,315	41	19
U.S. Total	**26,269**	**27,301**	**-3.8%**	**17,374**	**17,954**	**8,895**	**9,347**
Petroleum Coke (Thousand Tons)							
New England	0	0	--	0	0	0	0
Middle Atlantic	0	0	--	0	0	0	0
East North Central	82	56	44.5%	82	56	0	0
West North Central	0	0	--	0	0	0	0
South Atlantic	W	W	W	W	W	W	W
East South Central	0	0	--	0	0	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	**615**	**506**	**21.5%**	**599**	**495**	**16**	**11**

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, 2010 - February 2020
(Thousand Tons)

	Electric Power Sector			
Period	Bituminous Coal	Subbituminous Coal	Lignite Coal	Total
End of Year Stocks				
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	56,140	77,875	3,672	137,687
2018	41,766	58,238	3,039	103,043
2019	55,103	69,988	3,124	128,497
Year 2018, End of Month Stocks				
January	48,376	72,242	3,074	123,692
February	48,090	69,946	2,909	120,945
March	49,456	73,752	3,213	126,422
April	50,915	74,726	3,324	128,965
May	51,788	73,355	3,212	128,356
June	48,787	69,416	3,191	121,394
July	44,841	62,989	2,847	110,677
August	42,691	58,541	2,816	104,048
Sept	40,700	57,136	2,845	100,680
October	42,887	59,231	3,016	105,134
November	42,673	58,554	3,108	104,336
December	41,766	58,238	3,039	103,043
Year 2019, End of Month Stocks				
January	40,184	56,311	2,883	99,378
February	41,501	54,596	2,738	98,835
March	44,493	49,383	3,054	97,102
April	49,163	56,333	3,344	108,852
May	52,191	60,281	3,023	115,888
June	54,298	60,523	2,551	117,710
July	50,265	57,646	2,670	110,933
August	49,818	58,009	2,409	110,560
Sept	49,070	59,148	2,395	110,952
October	51,780	64,308	2,590	119,045
November	52,799	66,935	2,959	123,033
December	55,103	69,988	3,124	128,497
Year 2020, End of Month Stocks				
January	56,268	74,560	3,307	134,402
February	58,070	78,714	3,235	140,262

Notes: See Glossary for definitions.
Values for 2018 and prior years are final. Values for 2019 and 2020 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.

Chapter 4

Receipts and Cost of Fossil Fuels

Table 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 2010 - February 2020

	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												
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	12,261,029	642,364	2.06	39.27	1.28	94.7	96,977	16,127	11.86	71.35	0.49	68.0
2018	11,371,117	596,215	2.06	39.25	1.31	91.7	134,069	22,290	14.42	86.80	0.42	71.4
2019	10,668,588	555,022	2.02	38.86	1.32	100.7	86,383	14,319	13.58	81.95	0.49	63.0
Year 2018												
January	955,176	50,541	2.06	39.01	1.24	76.3	35,958	6,008	14.02	84.17	0.47	59.1
February	852,358	44,837	2.07	39.27	1.27	95.2	12,093	1,993	12.79	77.72	0.47	122.2
March	941,236	48,946	2.04	39.20	1.34	107.0	7,979	1,331	13.56	81.30	0.42	80.5
April	816,396	42,555	2.07	39.66	1.33	102.3	6,902	1,141	13.90	84.04	0.41	65.7
May	892,542	46,186	2.04	39.50	1.38	95.5	9,619	1,591	14.40	87.12	0.34	79.2
June	930,650	48,563	2.04	39.14	1.36	85.0	9,287	1,546	14.96	89.81	0.33	75.2
July	989,524	52,065	2.05	38.98	1.29	80.2	7,532	1,244	14.74	89.24	0.33	65.2
August	1,076,062	56,499	2.06	39.16	1.31	87.2	7,016	1,163	15.41	92.94	0.38	57.8
Sept	943,820	49,892	2.05	38.76	1.25	90.8	7,903	1,316	15.42	92.57	0.38	66.0
October	1,000,010	52,357	2.04	39.05	1.36	106.0	9,389	1,556	15.77	95.13	0.42	77.7
November	954,234	50,315	2.06	39.02	1.32	95.2	8,917	1,494	15.87	94.65	0.46	73.7
December	1,019,110	53,461	2.11	40.25	1.30	94.0	11,474	1,908	13.96	83.90	0.47	94.1
Year 2019												
January	1,002,966	52,325	2.10	40.31	1.32	91.6	8,613	1,426	12.40	74.90	0.46	51.0
February	847,217	44,418	2.07	39.54	1.28	96.2	8,708	1,430	13.16	80.17	0.48	89.5
March	820,727	41,993	2.08	40.68	1.51	93.0	7,501	1,243	14.41	86.95	0.47	76.7
April	869,217	44,771	2.07	40.19	1.37	129.9	6,948	1,152	14.85	89.57	0.52	74.0
May	890,175	45,861	2.06	39.91	1.39	111.7	6,587	1,095	14.47	87.01	0.50	57.1
June	867,346	44,942	2.03	39.18	1.35	99.2	6,735	1,120	13.68	82.28	0.49	59.8
July	938,466	49,099	2.02	38.68	1.28	86.1	5,853	977	13.78	82.54	0.48	50.4
August	979,476	51,055	2.00	38.44	1.27	95.4	5,115	860	14.24	84.72	0.51	42.1
Sept	889,676	46,432	1.96	37.59	1.27	96.0	8,156	1,344	12.62	76.57	0.48	73.9
October	868,407	45,266	1.96	37.64	1.28	117.6	6,655	1,103	13.69	82.56	0.50	60.1
November	845,303	44,419	1.97	37.43	1.26	103.4	7,794	1,281	12.97	78.88	0.49	68.6
December	849,611	44,441	1.92	36.66	1.25	107.1	7,721	1,288	13.56	81.34	0.49	69.8
Year 2020												
January	815,873	43,036	1.94	36.84	1.25	114.0	5,340	895	13.87	82.79	0.53	48.4
February	692,242	36,724	1.91	35.98	1.27	111.8	6,581	1,090	13.06	78.84	0.49	71.6
Year to Date												
2018	1,807,533	95,378	2.06	39.13	1.25	84.1	48,051	8,000	13.70	82.49	0.47	67.8
2019	1,850,183	96,743	2.09	39.96	1.30	93.6	17,320	2,856	12.78	77.54	0.47	65.0
2020	1,508,116	79,760	1.93	36.44	1.26	113.0	11,921	1,985	13.42	80.62	0.50	58.9
Rolling 12 Months Ending in February												
2019	11,413,767	597,580	2.06	39.38	1.32	93.4	103,338	17,146	14.45	87.10	0.41	72.0
2020	10,326,521	538,039	2.00	38.30	1.31	103.8	80,984	13,448	13.73	82.69	0.49	62.0

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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:
Beginning in January 2013, the threshold for reporting fuel receipts data was changed from 50 megawatts to 200 megawatts of nameplate capacity for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. In addition, the requirement to report self-produced and minor fuels, i.e., blast furnace gas, other manufactured gases, kerosene, jet fuel, propane, and waste oils was eliminated. The threshold for coal plants remained at 50 megawatts. The following caveats for each fuel type should be noted:
COAL - includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal-derived synthesis gas. Prior to 2011, synthesis gas was included in the category of Other Gases.
PETROLEUM LIQUIDS - includes distillate fuel oil and residual fuel oil. Prior to 2013, petroleum liquids included distillate fuel oil, residual fuel oil, kerosene, jet fuel, waste oil, and, beginning in 2011, propane. Prior to 2011, propane was included in the category of Other Gases.

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

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

Table 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 2010 - February 2020 (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												
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	2.13	59.90	5.56	74.1	9,951,815	9,628,733	3.37	3.49	90.2	2.65
2018	85,122	3,010	2.54	71.76	5.74	66.1	11,244,158	10,885,764	3.55	3.67	90.4	2.83
2019	56,294	1,969	1.91	54.59	5.51	53.6	11,149,544	10,786,472	2.89	2.99	84.3	2.49
Year 2018												
January	7,009	248	2.38	67.41	5.31	53.2	836,690	809,817	5.06	5.23	88.7	3.59
February	7,769	277	2.43	68.09	5.49	72.4	734,114	711,064	3.61	3.73	88.8	2.82
March	7,841	281	2.54	70.89	5.54	86.2	805,795	779,565	3.18	3.29	89.3	2.59
April	6,564	232	2.56	72.38	6.09	65.5	758,992	735,470	3.14	3.24	90.2	2.61
May	4,344	152	2.41	68.58	6.09	54.2	894,444	866,280	3.06	3.16	89.9	2.59
June	7,382	260	2.73	77.61	5.97	62.9	1,014,537	982,204	3.13	3.23	91.7	2.64
July	8,307	293	2.71	76.81	5.73	65.3	1,272,002	1,231,687	3.23	3.34	91.1	2.73
August	8,443	298	2.79	78.94	5.67	69.4	1,243,191	1,203,931	3.28	3.38	91.6	2.72
Sept	8,158	288	2.94	83.35	5.63	72.2	1,093,336	1,057,918	3.12	3.22	91.9	2.65
October	5,892	208	2.48	70.32	5.77	68.1	951,711	921,416	3.43	3.55	91.4	2.76
November	6,696	235	2.21	63.10	5.87	68.6	817,552	791,716	4.18	4.31	89.3	3.05
December	6,718	238	2.03	57.24	5.90	59.0	821,793	794,697	4.72	4.89	89.5	3.29
Year 2019												
January	5,447	192	2.08	59.13	5.93	47.6	861,144	833,540	4.01	4.14	85.6	2.99
February	4,486	155	2.27	65.75	5.78	44.6	786,847	759,097	3.64	3.77	84.9	2.85
March	3,725	130	2.43	69.63	6.15	37.9	805,916	780,542	3.45	3.56	84.8	2.79
April	3,159	111	2.71	76.93	5.65	43.2	735,837	713,039	2.89	2.99	83.7	2.49
May	4,631	162	2.24	63.78	5.41	43.2	841,017	815,717	2.77	2.85	85.8	2.43
June	3,740	130	2.18	62.61	5.15	44.7	972,337	942,226	2.59	2.67	84.7	2.36
July	5,766	201	2.01	57.67	5.22	51.0	1,201,858	1,162,227	2.53	2.62	83.1	2.33
August	7,308	258	1.72	48.66	5.20	74.0	1,219,083	1,177,729	2.41	2.50	83.3	2.25
Sept	3,777	131	1.67	48.38	5.58	37.3	1,053,061	1,018,596	2.59	2.68	83.8	2.33
October	2,365	83	1.57	44.65	5.64	58.9	930,821	900,234	2.49	2.58	83.3	2.27
November	6,654	232	1.46	41.78	5.38	128.0	828,647	801,068	2.96	3.06	84.6	2.48
December	5,236	183	1.14	32.50	5.44	77.3	912,977	882,456	2.92	3.02	85.6	2.46
Year 2020												
January	8,421	295	1.53	43.68	5.34	81.3	935,177	903,553	2.62	2.72	84.8	2.33
February	6,913	244	1.47	41.75	4.99	109.8	887,032	857,646	2.40	2.48	85.2	2.22
Year to Date												
2018	14,778	525	2.41	67.77	5.41	61.9	1,570,804	1,520,881	4.39	4.53	88.7	3.23
2019	9,934	347	2.17	62.09	5.86	46.2	1,647,991	1,592,637	3.83	3.96	85.3	2.92
2020	15,334	539	1.50	42.81	5.18	92.1	1,822,209	1,761,199	2.51	2.60	85.0	2.27
Rolling 12 Months Ending in February												
2019	80,278	2,832	2.52	71.31	5.81	63.6	11,321,345	10,957,520	3.47	3.59	89.9	2.79
2020	61,694	2,161	1.77	50.45	5.37	61.6	11,323,762	10,955,034	2.69	2.78	84.3	2.39

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Notes:
Beginning in January 2013, the threshold for reporting fuel receipts data was changed from 50 megawatts to 200 megawatts of nameplate capacity for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. In addition, the requirement to report self-produced and minor fuels, i.e., blast furnace gas, other manufactured gases, kerosene, jet fuel, propane, and waste oils was eliminated. The threshold for coal plants remained at 50 megawatts. The following caveats for each fuel type should be noted:
PETROLEUM COKE - includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
NATURAL GAS - includes natural gas only. Prior to 2011, includes Other Gases.

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Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2010 - February 2020

	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												
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	9,011,629	467,595	2.12	40.81	1.16	96.0	70,422	11,640	11.60	70.19	0.47	74.4
2018	8,351,036	435,964	2.11	40.35	1.18	91.6	84,050	13,896	14.39	87.09	0.37	75.3
2019	7,919,245	410,810	2.08	40.13	1.18	102.5	65,388	10,768	13.37	81.21	0.46	71.8
Year 2018												
January	689,121	36,230	2.08	39.57	1.11	75.5	16,449	2,762	14.38	85.73	0.43	61.0
February	637,294	33,294	2.10	40.18	1.17	97.3	8,657	1,413	12.58	77.10	0.46	126.0
March	696,264	36,224	2.09	40.20	1.18	111.4	5,472	906	13.38	80.86	0.36	82.4
April	600,033	31,096	2.12	40.93	1.23	101.8	5,321	875	13.78	83.81	0.36	74.7
May	654,477	33,757	2.09	40.57	1.24	95.3	6,739	1,108	14.37	87.44	0.29	82.5
June	689,040	35,857	2.10	40.33	1.21	84.0	6,566	1,085	14.63	88.49	0.28	78.5
July	738,864	38,675	2.10	40.13	1.15	79.8	5,620	920	14.34	87.60	0.27	75.5
August	802,045	41,889	2.11	40.43	1.19	87.2	5,016	826	15.26	92.68	0.34	63.6
Sept	695,648	36,530	2.12	40.31	1.15	90.3	5,665	940	15.53	93.63	0.35	66.8
October	713,410	37,228	2.10	40.20	1.21	104.3	6,170	1,011	15.78	96.34	0.39	73.6
November	691,145	36,346	2.10	39.90	1.17	95.3	5,383	896	15.89	95.50	0.41	69.8
December	743,694	38,838	2.17	41.48	1.17	93.2	6,991	1,155	13.83	83.69	0.44	94.7
Year 2019												
January	735,203	38,213	2.16	41.64	1.18	92.1	6,100	1,008	12.56	76.05	0.42	61.8
February	628,506	32,866	2.14	40.93	1.15	97.9	6,630	1,082	13.01	79.70	0.46	106.0
March	585,096	29,813	2.14	42.07	1.37	93.5	6,135	1,012	14.34	86.90	0.42	94.1
April	643,745	33,151	2.13	41.45	1.21	134.6	5,352	882	14.71	89.24	0.47	89.0
May	661,447	34,035	2.12	41.24	1.22	112.1	4,914	810	14.11	85.55	0.48	65.7
June	645,744	33,285	2.11	40.91	1.20	98.9	5,128	848	13.29	80.35	0.47	63.9
July	718,111	37,394	2.09	40.05	1.16	88.2	4,389	728	13.28	79.99	0.46	56.4
August	741,452	38,602	2.07	39.71	1.14	96.9	3,843	643	13.64	81.54	0.48	44.2
Sept	671,570	34,833	2.02	38.89	1.17	98.1	6,701	1,097	12.38	75.64	0.45	86.7
October	638,658	33,211	2.01	38.71	1.14	122.3	4,848	796	13.25	80.69	0.47	62.8
November	619,671	32,460	2.02	38.53	1.14	106.5	6,088	992	12.79	78.49	0.48	84.0
December	630,043	32,948	1.96	37.44	1.13	110.4	5,261	868	13.61	82.47	0.47	69.4
Year 2020												
January	601,630	31,626	1.98	37.67	1.12	115.6	4,454	744	13.67	81.86	0.48	53.5
February	511,753	27,042	1.95	36.81	1.12	114.5	5,670	937	12.88	77.92	0.46	83.7
Year to Date												
2018	1,326,415	69,523	2.09	39.86	1.14	84.6	25,106	4,175	13.75	82.76	0.45	73.9
2019	1,363,709	71,079	2.15	41.31	1.16	94.7	12,730	2,090	12.80	77.94	0.44	78.8
2020	1,113,383	58,668	1.96	37.27	1.12	115.1	10,124	1,681	13.22	79.67	0.47	67.0
Rolling 12 Months Ending in February												
2019	8,388,330	437,519	2.12	40.59	1.19	93.3	71,674	11,811	14.33	86.96	0.37	76.4
2020	7,668,919	398,399	2.05	39.50	1.18	105.7	62,782	10,358	13.47	81.62	0.46	69.8

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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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Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2010 - February 2020 (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												
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	4,794,383	4,640,827	3.62	3.74	96.8	2.68
2018	83,211	2,940	2.56	72.34	5.74	106.8	5,553,558	5,379,459	3.68	3.80	96.2	2.80
2019	54,266	1,896	1.92	54.88	5.50	91.0	5,436,200	5,262,798	3.06	3.16	87.6	2.53
Year 2018												
January	7,009	248	2.38	67.41	5.31	83.4	423,606	410,310	5.20	5.37	95.5	3.41
February	7,769	277	2.43	68.09	5.49	117.9	359,760	348,729	3.81	3.93	95.0	2.79
March	7,841	281	2.54	70.89	5.54	141.5	397,572	384,900	3.46	3.57	96.4	2.64
April	6,564	232	2.56	72.38	6.09	119.0	377,302	365,948	3.30	3.40	97.5	2.63
May	4,344	152	2.41	68.58	6.09	108.3	452,870	438,567	3.24	3.35	94.8	2.63
June	7,382	260	2.73	77.61	5.97	96.2	525,751	509,192	3.28	3.39	97.2	2.67
July	8,147	287	2.73	77.48	5.73	100.4	632,132	612,044	3.27	3.38	95.1	2.69
August	8,183	288	2.82	80.03	5.67	105.4	607,246	588,293	3.33	3.44	96.5	2.68
Sept	7,493	263	3.05	86.74	5.59	101.2	535,618	518,216	3.28	3.39	97.0	2.68
October	5,415	191	2.55	72.24	5.80	120.4	464,777	450,302	3.57	3.68	97.8	2.74
November	6,524	229	2.23	63.55	5.88	116.4	390,167	378,446	4.26	4.39	94.9	2.93
December	6,541	232	2.04	57.52	5.91	96.0	386,756	374,513	4.92	5.08	96.2	3.16
Year 2019												
January	5,447	192	2.08	59.13	5.93	73.8	406,718	394,288	4.19	4.32	90.4	2.93
February	4,486	155	2.27	65.75	5.78	69.4	379,192	364,901	3.79	3.94	89.0	2.82
March	3,725	130	2.43	69.63	6.15	66.9	386,643	374,986	3.66	3.77	89.5	2.81
April	3,159	111	2.71	76.93	5.65	101.5	359,063	348,044	3.09	3.18	87.9	2.54
May	4,631	162	2.24	63.78	5.41	73.8	422,966	410,771	2.94	3.03	90.7	2.49
June	3,740	130	2.18	62.61	5.15	85.7	491,914	476,866	2.76	2.84	88.1	2.44
July	5,723	199	2.01	57.76	5.22	86.8	592,859	573,479	2.65	2.74	84.6	2.38
August	6,693	235	1.72	48.82	5.15	115.7	604,271	584,200	2.55	2.64	84.4	2.31
Sept	3,034	105	1.68	48.71	5.58	56.6	519,620	503,066	2.77	2.86	85.9	2.40
October	1,738	60	1.51	43.76	5.45	92.3	456,258	441,488	2.71	2.80	86.1	2.35
November	6,654	232	1.46	41.78	5.38	227.7	392,163	379,687	3.16	3.26	89.3	2.51
December	5,236	183	1.14	32.50	5.44	132.2	424,532	411,022	3.16	3.27	90.2	2.49
Year 2020												
January	8,421	295	1.53	43.68	5.34	144.1	445,637	431,393	2.87	2.97	88.3	2.40
February	6,913	244	1.47	41.75	4.99	164.5	436,651	422,625	2.66	2.74	89.0	2.33
Year to Date												
2018	14,778	525	2.41	67.77	5.41	98.6	783,366	759,039	4.56	4.71	95.2	3.12
2019	9,934	347	2.17	62.09	5.86	71.8	785,910	759,189	4.00	4.14	89.7	2.88
2020	15,334	539	1.50	42.81	5.18	152.6	882,288	854,017	2.77	2.86	88.7	2.37
Rolling 12 Months Ending in February												
2019	78,367	2,762	2.54	71.92	5.81	102.2	5,556,102	5,379,609	3.60	3.72	95.3	2.76
2020	59,666	2,088	1.77	50.57	5.36	106.9	5,532,578	5,357,626	2.88	2.97	87.5	2.45

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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, 2010 - February 2020

	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												
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	3,056,215	165,567	1.85	34.19	1.64	93.1	24,704	4,190	12.67	74.73	0.46	73.8
2018	2,849,062	152,015	1.89	35.41	1.70	94.2	47,699	8,022	14.52	86.39	0.44	81.7
2019	2,601,613	137,047	1.81	34.33	1.74	98.9	19,311	3,276	14.33	84.50	0.50	64.8
Year 2018												
January	250,209	13,549	1.99	36.82	1.60	79.9	19,101	3,180	13.71	82.73	0.46	63.7
February	200,760	10,859	1.93	35.69	1.58	93.0	3,249	550	13.53	79.99	0.43	195.1
March	229,355	11,974	1.84	35.33	1.83	99.4	2,273	388	14.17	82.79	0.43	107.3
April	202,887	10,815	1.88	35.20	1.61	107.5	1,427	242	14.45	84.93	0.44	61.3
May	223,521	11,725	1.87	35.68	1.78	98.4	2,731	459	14.46	86.28	0.46	95.4
June	227,121	12,009	1.84	34.83	1.84	89.2	2,614	444	15.89	93.43	0.40	92.9
July	235,760	12,666	1.87	34.83	1.73	82.1	1,775	301	16.08	94.43	0.45	64.8
August	260,087	13,942	1.86	34.73	1.68	88.4	1,864	315	15.92	93.84	0.42	59.8
Sept	235,579	12,761	1.82	33.63	1.56	94.5	2,082	351	15.17	89.90	0.39	82.5
October	274,139	14,529	1.89	35.60	1.72	113.8	3,039	517	15.83	92.93	0.41	127.4
November	248,768	13,265	1.92	35.95	1.73	97.0	3,328	566	15.95	93.64	0.42	119.9
December	260,878	13,920	1.94	36.42	1.68	99.1	4,215	709	14.20	84.15	0.46	132.8
Year 2019												
January	255,058	13,482	1.90	36.07	1.76	93.2	2,359	393	11.93	71.58	0.50	49.8
February	205,832	10,934	1.83	34.49	1.67	94.5	1,879	314	13.63	81.50	0.46	86.2
March	222,160	11,549	1.88	36.18	1.88	94.0	1,239	210	14.88	87.69	0.54	61.1
April	212,491	10,991	1.84	35.58	1.89	123.7	1,373	233	15.69	92.33	0.51	63.5
May	216,008	11,203	1.83	35.24	1.92	114.9	1,581	270	15.62	91.40	0.49	69.6
June	209,895	11,090	1.76	33.36	1.83	103.5	1,476	250	15.09	89.05	0.48	67.8
July	208,969	11,154	1.79	33.51	1.69	81.4	1,384	236	15.49	90.86	0.48	48.3
August	227,149	11,923	1.78	33.87	1.68	93.5	1,160	199	16.40	95.66	0.49	50.1
Sept	206,975	11,060	1.75	32.81	1.58	92.7	1,301	222	13.76	80.79	0.57	62.1
October	217,837	11,469	1.78	33.77	1.69	110.9	1,671	285	15.02	88.05	0.52	71.7
November	212,346	11,312	1.78	33.36	1.61	98.6	1,569	267	13.59	79.96	0.50	68.7
December	206,894	10,881	1.75	33.26	1.66	102.2	2,319	396	13.47	78.85	0.50	97.8
Year 2020												
January	201,589	10,795	1.80	33.57	1.64	115.4	725	124	15.12	88.14	0.56	44.3
February	169,190	9,124	1.76	32.72	1.74	110.7	722	123	14.71	86.54	0.57	50.3
Year to Date												
2018	450,968	24,409	1.96	36.32	1.59	85.2	22,350	3,730	13.68	82.32	0.45	70.7
2019	460,890	24,416	1.87	35.36	1.72	93.7	4,238	708	12.69	76.00	0.48	61.3
2020	370,779	19,920	1.78	33.18	1.68	113.2	1,447	247	14.91	87.34	0.57	47.1
Rolling 12 Months Ending in February												
2019	2,858,984	152,022	1.87	35.25	1.72	95.8	29,587	5,000	14.82	87.56	0.44	87.7
2020	2,511,502	132,551	1.79	33.96	1.73	101.9	16,520	2,815	14.80	86.87	0.51	63.6

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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 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2010 - February 2020 (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												
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	3.52
2015	14,550	524	2.45	68.22	5.26	67.3	4,683,291	4,530,195	2.94	3.04	93.2	2.57
2016	13,573	492	2.50	68.88	5.44	69.9	4,791,729	4,634,518	2.54	2.63	94.0	2.29
2017	0	0	--	--	--	0.0	4,346,156	4,201,573	3.08	3.19	94.0	2.54
2018	0	0	--	--	--	0.0	4,889,212	4,727,692	3.40	3.52	94.7	2.84
2019	0	0	--	--	--	0.0	4,907,917	4,742,079	2.68	2.77	89.4	2.37
Year 2018												
January	0	0	--	--	--	0.0	343,077	331,644	5.21	5.39	93.1	3.99
February	0	0	--	--	--	0.0	312,835	302,657	3.38	3.49	93.8	2.80
March	0	0	--	--	--	0.0	346,290	334,497	2.87	2.97	93.7	2.46
April	0	0	--	--	--	0.0	319,774	309,352	2.96	3.06	94.2	2.51
May	0	0	--	--	--	0.0	377,388	365,397	2.79	2.89	94.9	2.46
June	0	0	--	--	--	0.0	422,237	408,330	2.89	2.98	95.3	2.53
July	0	0	--	--	--	0.0	570,783	552,360	3.21	3.32	95.3	2.79
August	0	0	--	--	--	0.0	565,773	547,533	3.22	3.33	95.1	2.76
Sept	0	0	--	--	--	0.0	489,149	472,958	2.90	3.00	95.4	2.54
October	0	0	--	--	--	0.0	419,722	405,657	3.20	3.31	94.9	2.68
November	0	0	--	--	--	0.0	355,192	343,013	4.12	4.27	94.2	3.19
December	0	0	--	--	--	0.0	366,993	354,294	4.49	4.65	95.0	3.39
Year 2019												
January	0	0	--	--	--	0.0	381,402	368,347	3.83	3.97	91.1	3.01
February	0	0	--	--	--	0.0	342,971	331,583	3.47	3.60	90.6	2.83
March	0	0	--	--	--	0.0	352,850	341,038	3.25	3.37	90.0	2.70
April	0	0	--	--	--	0.0	312,158	302,172	2.63	2.72	88.9	2.31
May	0	0	--	--	--	0.0	351,935	340,689	2.51	2.60	90.1	2.26
June	0	0	--	--	--	0.0	416,432	403,183	2.33	2.41	89.2	2.15
July	0	0	--	--	--	0.0	540,331	522,062	2.37	2.46	87.7	2.21
August	0	0	--	--	--	0.0	545,846	526,699	2.23	2.31	88.4	2.10
Sept	0	0	--	--	--	0.0	468,552	452,716	2.36	2.44	89.0	2.17
October	0	0	--	--	--	0.0	410,406	396,499	2.20	2.28	88.7	2.07
November	0	0	--	--	--	0.0	368,029	354,954	2.74	2.85	90.0	2.38
December	0	0	--	--	--	0.0	417,005	402,138	2.68	2.78	91.2	2.38
Year 2020												
January	0	0	--	--	--	0.0	417,189	402,001	2.36	2.45	91.1	2.17
February	0	0	--	--	--	0.0	384,463	371,044	2.09	2.17	91.0	2.00
Year to Date												
2018	0	0	--	--	--	0.0	655,911	634,301	4.35	4.50	93.4	3.45
2019	0	0	--	--	--	0.0	724,373	699,930	3.66	3.79	90.8	2.92
2020	0	0	--	--	--	0.0	801,651	773,045	2.23	2.32	91.0	2.09
Rolling 12 Months Ending in February												
2019	0	0	--	--	--	0.0	4,957,674	4,793,322	3.31	3.42	94.2	2.76
2020	0	0	--	--	--	0.0	4,985,196	4,815,194	2.46	2.55	89.5	2.24

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PETROLEUM COKE - includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
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Sources: U.S. Energy Information Administration (EIA), Form EIA-923, "Power Plant Operations Report" and predecessor forms including Form EIA-423, "Monthly Cost and Quality of Fuels for Electric Plants Report" and Federal Energy Regulatory Commission (FERC), FERC Form 423, "Monthly Report of Cost and Quality of Fuels for Electric Plants."

Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 2010 - February 2020

	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												
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	3.12	70.30	2.50	17.1	0	0	--	--	--	0.0
2015	2,439	109	2.85	63.90	2.55	13.6	0	0	--	--	--	0.0
2016	1,288	57	2.69	60.89	3.03	8.3	0	0	--	--	--	0.0
2017	548	24	2.78	63.31	2.99	3.9	0	0	--	--	--	0.0
2018	290	13	2.94	66.52	3.04	2.2	0	0	--	--	--	0.0
2019	193	8	2.92	66.55	3.01	1.6	0	0	--	--	--	0.0
Year 2018												
January	95	4	2.92	66.58	3.11	5.5	0	0	--	--	--	0.0
February	31	1	2.92	66.05	3.19	2.3	0	0	--	--	--	0.0
March	5	0	2.92	66.20	3.16	0.4	0	0	--	--	--	0.0
April	0	0	--	--	--	0.0	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	0	0	--	--	--	0.0	0	0	--	--	--	0.0
Sept	0	0	--	--	--	0.0	0	0	--	--	--	0.0
October	52	2	2.94	66.53	2.87	5.5	0	0	--	--	--	0.0
November	62	3	2.94	66.44	2.99	5.8	0	0	--	--	--	0.0
December	46	2	2.97	66.83	3.05	4.4	0	0	--	--	--	0.0
Year 2019												
January	27	1	2.90	65.89	3.00	2.1	0	0	--	--	--	0.0
February	37	2	2.90	65.51	2.95	3.2	0	0	--	--	--	0.0
March	48	2	2.90	65.86	2.94	3.9	0	0	--	--	--	0.0
April	2	0	2.90	65.28	2.90	0.3	0	0	--	--	--	0.0
May	0	0	--	--	--	0.0	0	0	--	--	--	0.0
June	2	0	2.90	66.38	3.02	0.4	0	0	--	--	--	0.0
July	1	0	2.97	67.69	2.94	0.1	0	0	--	--	--	0.0
August	0	0	--	--	--	0.0	0	0	--	--	--	0.0
Sept	0	0	--	--	--	0.0	0	0	--	--	--	0.0
October	23	1	2.96	67.99	3.17	2.7	0	0	--	--	--	0.0
November	31	1	2.96	67.99	3.17	3.0	0	0	--	--	--	0.0
December	21	1	2.96	67.34	2.91	2.0	0	0	--	--	--	0.0
Year 2020												
January	26	1	2.96	67.40	2.94	2.8	0	0	--	--	--	0.0
February	58	3	2.96	67.58	2.96	5.2	0	0	--	--	--	0.0
Year to Date												
2018	125	6	2.92	66.45	3.13	4.1	0	0	--	--	--	0.0
2019	65	3	2.90	65.67	2.97	2.6	0	0	--	--	--	0.0
2020	84	4	2.96	67.52	2.95	4.1	0	0	--	--	--	0.0
Rolling 12 Months Ending in February												
2019	229	10	2.93	66.32	2.97	1.8	0	0	--	--	--	0.0
2020	212	9	2.95	67.21	3.00	1.8	0	0	--	--	--	0.0

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Notes:
Beginning in January 2013, the threshold for reporting fuel receipts data was changed from 50 megawatts to 200 megawatts of nameplate capacity for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. In addition, the requirement to report self-produced and minor fuels, i.e., blast furnace gas, other manufactured gases, kerosene, jet fuel, propane, and waste oils was eliminated. The threshold for coal plants remained at 50 megawatts. The following caveats for each fuel type should be noted:
COAL - includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal-derived synthesis gas. Prior to 2011, synthesis gas was included in the category of Other Gases.
PETROLEUM LIQUIDS - includes distillate fuel oil and residual fuel oil. Prior to 2013, petroleum liquids included distillate fuel oil, residual fuel oil, kerosene, jet fuel, waste oil, and, beginning in 2011, propane. Prior to 2011, propane was included in the category of Other Gases.

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

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

Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commerical Sector, 2010 - February 2020 (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												
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	5.42	5.47	4.9	4.47
2015	0	0	--	--	--	0.0	6,499	6,371	4.11	4.19	5.5	3.76
2016	0	0	--	--	--	0.0	8,005	7,766	3.85	3.97	6.1	3.69
2017	0	0	--	--	--	0.0	7,841	7,593	3.82	3.95	4.9	3.75
2018	0	0	--	--	--	0.0	9,090	8,823	3.49	3.59	6.6	3.47
2019	0	0	--	--	--	0.0	9,429	9,087	3.26	3.39	6.8	3.26
Year 2018												
January	0	0	--	--	--	0.0	844	818	3.63	3.74	7.1	3.56
February	0	0	--	--	--	0.0	709	688	3.72	3.84	6.5	3.69
March	0	0	--	--	--	0.0	768	746	3.59	3.69	6.8	3.58
April	0	0	--	--	--	0.0	732	713	3.49	3.58	7.3	3.49
May	0	0	--	--	--	0.0	776	758	3.47	3.55	7.4	3.47
June	0	0	--	--	--	0.0	670	650	3.57	3.67	5.8	3.57
July	0	0	--	--	--	0.0	790	760	3.39	3.52	5.8	3.39
August	0	0	--	--	--	0.0	786	764	3.42	3.52	5.8	3.42
Sept	0	0	--	--	--	0.0	744	723	3.38	3.48	6.3	3.38
October	0	0	--	--	--	0.0	792	770	3.36	3.45	7.2	3.33
November	0	0	--	--	--	0.0	723	701	3.41	3.52	6.6	3.37
December	0	0	--	--	--	0.0	756	732	3.41	3.52	6.6	3.39
Year 2019												
January	0	0	--	--	--	0.0	778	751	3.40	3.52	6.2	3.38
February	0	0	--	--	--	0.0	772	745	3.37	3.50	6.8	3.35
March	0	0	--	--	--	0.0	839	812	3.36	3.47	7.2	3.33
April	0	0	--	--	--	0.0	775	748	3.30	3.41	7.3	3.29
May	0	0	--	--	--	0.0	811	782	3.26	3.38	7.7	3.26
June	0	0	--	--	--	0.0	807	776	3.23	3.36	7.3	3.22
July	0	0	--	--	--	0.0	721	701	3.17	3.26	5.9	3.17
August	0	0	--	--	--	0.0	838	808	3.13	3.25	6.8	3.13
Sept	0	0	--	--	--	0.0	747	717	3.15	3.28	6.5	3.15
October	0	0	--	--	--	0.0	766	734	3.24	3.38	6.8	3.23
November	0	0	--	--	--	0.0	743	713	3.30	3.43	6.3	3.28
December	0	0	--	--	--	0.0	832	801	3.26	3.39	6.7	3.25
Year 2020												
January	0	0	--	--	--	0.0	795	763	3.09	3.22	6.3	3.09
February	0	0	--	--	--	0.0	693	663	3.12	3.26	6.0	3.11
Year to Date												
2018	0	0	--	--	--	0.0	1,553	1,506	3.67	3.79	6.8	3.62
2019	0	0	--	--	--	0.0	1,550	1,496	3.38	3.51	6.5	3.37
2020	0	0	--	--	--	0.0	1,487	1,426	3.10	3.24	6.2	3.10
Rolling 12 Months Ending in February												
2019	0	0	--	--	--	0.0	9,087	8,813	3.44	3.54	6.5	3.42
2020	0	0	--	--	--	0.0	9,366	9,016	3.22	3.34	6.7	3.21

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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 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, 2010 - February 2020

	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												
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	2.97	64.15	1.33	68.4	2,290	373	17.91	109.99	1.43	15.6
2015	263,630	12,132	2.72	59.17	1.35	71.4	2,359	385	13.45	82.47	1.42	16.9
2016	210,749	9,859	2.67	57.01	1.30	67.0	2,541	412	10.51	64.79	1.27	18.3
2017	192,637	9,178	2.49	52.29	1.35	70.7	1,850	297	11.18	69.57	1.42	15.2
2018	170,730	8,224	2.47	51.38	1.30	67.2	2,319	372	13.46	83.97	1.35	15.9
2019	147,537	7,156	2.55	52.62	1.18	63.6	1,684	275	13.19	80.82	1.47	13.6
Year 2018												
January	15,751	758	2.46	51.13	1.18	61.0	408	65	12.64	79.32	1.32	13.7
February	14,274	683	2.48	51.82	1.32	60.9	187	30	11.38	71.32	1.20	15.9
March	15,612	747	2.51	52.40	1.31	67.4	234	38	12.59	78.52	1.32	23.5
April	13,476	643	2.52	52.79	1.35	67.0	153	24	13.24	83.77	1.23	17.6
May	14,544	704	2.51	51.92	1.24	71.9	149	24	14.33	87.27	1.47	16.1
June	14,489	697	2.49	51.65	1.28	71.9	107	17	13.54	84.39	1.48	10.5
July	14,900	724	2.41	49.69	1.32	75.3	138	22	14.64	89.87	1.42	13.2
August	13,930	668	2.48	51.76	1.31	70.4	135	22	14.45	89.97	1.39	15.5
Sept	12,593	600	2.53	53.10	1.35	63.7	155	25	14.38	89.73	1.12	19.7
October	12,410	598	2.47	51.18	1.38	67.1	180	29	14.50	91.01	1.37	14.9
November	14,259	701	2.50	50.92	1.15	69.1	206	33	14.01	87.74	1.58	15.0
December	14,492	701	2.35	48.52	1.47	64.1	268	43	13.75	85.58	1.46	19.7
Year 2019												
January	12,678	629	2.49	50.14	1.13	57.4	154	25	12.98	80.23	1.24	8.0
February	12,842	617	2.61	54.43	1.16	61.6	199	33	13.77	82.99	1.45	19.3
March	13,424	629	2.68	57.20	1.49	66.7	126	21	13.43	82.27	1.63	13.2
April	12,978	629	2.63	54.29	1.15	68.6	223	36	12.89	79.74	1.54	21.8
May	12,720	623	2.51	51.21	0.97	68.3	92	15	14.12	86.68	1.48	9.4
June	11,705	567	2.49	51.38	1.22	64.3	131	21	13.04	79.96	1.55	14.7
July	11,385	551	2.45	50.57	1.32	63.5	80	13	11.99	74.33	1.41	11.8
August	10,876	530	2.39	49.14	1.23	59.9	112	18	12.56	77.49	1.66	12.4
Sept	11,131	539	2.48	51.28	1.24	63.8	154	25	13.15	80.17	1.58	18.0
October	11,889	586	2.59	52.47	1.21	61.0	136	22	13.01	79.34	1.42	17.6
November	13,255	645	2.59	53.19	1.05	66.4	137	22	13.67	83.44	1.46	9.2
December	12,654	612	2.67	55.16	1.07	63.4	141	23	13.33	81.47	1.25	16.2
Year 2020												
January	12,628	614	2.51	51.68	1.13	62.3	162	27	13.84	83.92	1.71	20.1
February	11,241	555	2.42	48.89	1.12	59.1	188	31	12.36	76.04	0.93	23.3
Year to Date												
2018	30,025	1,441	2.47	51.46	1.25	60.9	595	95	12.25	76.80	1.28	14.3
2019	25,520	1,245	2.55	52.26	1.14	59.4	353	58	13.43	81.81	1.35	12.0
2020	23,869	1,169	2.47	50.36	1.12	60.7	350	57	13.04	79.71	1.24	21.7
Rolling 12 Months Ending in February												
2019	166,224	8,029	2.49	51.50	1.29	67.1	2,077	335	13.80	85.62	1.38	15.5
2020	145,887	7,080	2.54	52.31	1.18	63.9	1,682	274	13.11	80.37	1.46	15.2

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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 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2010 - February 2020 (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												
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	2.56	69.67	5.83	23.2	742,347	718,360	4.54	4.69	62.7	4.12
2015	8,189	304	1.73	46.72	5.50	24.1	765,964	740,975	2.83	2.93	60.6	2.82
2016	3,664	135	2.00	54.12	5.84	11.2	744,034	721,358	2.65	2.74	59.6	2.68
2017	2,356	85	1.59	44.08	5.84	8.1	803,435	778,741	3.18	3.28	62.0	3.06
2018	1,911	71	1.75	47.47	5.74	7.1	792,297	769,790	3.39	3.49	58.6	3.25
2019	2,028	73	1.69	46.99	5.81	7.8	795,998	772,508	2.83	2.91	57.3	2.80
Year 2018												
January	0	0	--	--	--	0.0	69,164	67,045	3.59	3.70	58.1	3.42
February	0	0	--	--	--	0.0	60,810	58,990	3.41	3.52	58.6	3.26
March	0	0	--	--	--	0.0	61,164	59,423	2.85	2.94	56.5	2.81
April	0	0	--	--	--	0.0	61,184	59,457	2.92	3.01	58.4	2.87
May	0	0	--	--	--	0.0	63,410	61,557	2.99	3.08	58.8	2.92
June	0	0	--	--	--	0.0	65,879	64,032	3.14	3.23	59.8	3.03
July	160	6	1.70	45.10	5.83	6.8	68,296	66,523	3.03	3.11	57.4	2.93
August	260	10	1.78	46.99	5.55	12.2	69,386	67,341	3.12	3.21	58.1	3.03
Sept	664	25	1.78	47.54	6.02	31.0	67,825	66,022	3.12	3.20	60.1	3.04
October	477	17	1.76	48.96	5.45	20.6	66,419	64,687	3.75	3.85	59.0	3.56
November	172	6	1.69	46.62	5.85	8.4	71,469	69,556	3.97	4.08	61.6	3.75
December	178	6	1.70	47.00	5.53	7.3	67,289	65,157	4.70	4.85	56.6	4.31
Year 2019												
January	0	0	--	--	--	0.0	72,247	70,154	3.77	3.88	58.2	3.59
February	0	0	--	--	--	0.0	63,912	61,868	3.45	3.56	58.1	3.34
March	0	0	--	--	--	0.0	65,584	63,706	3.13	3.22	57.2	3.07
April	0	0	--	--	--	0.0	63,841	62,075	2.85	2.93	58.4	2.84
May	0	0	--	--	--	0.0	65,305	63,475	2.75	2.83	58.1	2.73
June	0	0	--	--	--	0.0	63,184	61,402	2.63	2.71	56.8	2.63
July	43	2	1.71	46.96	5.81	1.6	67,946	65,986	2.49	2.57	57.8	2.49
August	615	23	1.75	46.99	5.75	29.3	68,127	66,022	2.38	2.45	57.6	2.39
Sept	743	26	1.63	47.00	5.56	26.1	64,141	62,097	2.56	2.65	56.7	2.56
October	627	23	1.72	47.00	6.17	32.6	63,390	61,514	2.46	2.54	55.6	2.49
November	0	0	--	--	--	0.0	67,713	65,714	2.77	2.86	56.8	2.76
December	0	0	--	--	--	0.0	70,607	68,496	2.62	2.70	56.2	2.65
Year 2020												
January	0	0	--	--	--	0.0	71,557	69,397	2.36	2.44	56.1	2.41
February	0	0	--	--	--	0.0	65,225	63,315	2.12	2.19	56.4	2.19
Year to Date												
2018	0	0	--	--	--	0.0	129,974	126,035	3.51	3.61	58.3	3.34
2019	0	0	--	--	--	0.0	136,159	132,022	3.62	3.73	58.2	3.47
2020	0	0	--	--	--	0.0	136,783	132,712	2.25	2.32	56.3	2.30
Rolling 12 Months Ending in February												
2019	1,911	71	1.75	47.47	5.74	7.3	798,482	775,777	3.41	3.51	58.5	3.27
2020	2,028	73	1.70	47.00	5.82	7.9	796,622	773,198	2.59	2.67	57.0	2.60

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:
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.

- Values for 2018 and prior years are final. Values for 2019 and 2020 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 4.6.A. Receipts of Coal Delivered for Electricity Generation by State, February 2020 and 2019
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
New England	7	6	15.0%	0	0	7	6	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	7	6	15.0%	0	0	7	6	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	1,097	1,513	-28.0%	0	0	1,087	1,513	0	0	10	0
New Jersey	31	62	-50.0%	0	0	31	62	0	0	0	0
New York	0	26	-100.0%	0	0	0	26	0	0	0	0
Pennsylvania	1,066	1,425	-25.0%	0	0	1,056	1,425	0	0	10	0
East North Central	7,838	8,893	-12.0%	4,329	5,016	3,341	3,719	0	0	168	159
Illinois	2,176	2,993	-27.0%	286	646	1,722	2,188	0	0	168	159
Indiana	2,064	2,410	-14.0%	1,865	2,247	199	163	0	0	0	0
Michigan	929	951	-2.3%	929	951	0	0	0	0	0	0
Ohio	1,645	1,576	4.4%	225	209	1,420	1,367	0	0	0	0
Wisconsin	1,023	962	6.3%	1,023	962	0	0	0	0	0	0
West North Central	8,933	8,364	6.8%	8,679	8,129	0	0	3	2	252	233
Iowa	1,455	1,101	32.0%	1,282	930	0	0	0	0	173	171
Kansas	935	920	1.7%	935	920	0	0	0	0	0	0
Minnesota	578	802	-28.0%	578	802	0	0	0	0	0	0
Missouri	2,807	2,714	3.4%	2,804	2,713	0	0	3	2	0	0
Nebraska	1,174	921	27.0%	1,095	859	0	0	0	0	79	62
North Dakota	1,847	1,803	2.4%	1,847	1,803	0	0	0	0	0	0
South Dakota	137	103	33.0%	137	103	0	0	0	0	0	0
South Atlantic	3,771	5,853	-36.0%	3,406	5,152	318	612	0	0	47	89
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	588	699	-16.0%	588	685	0	0	0	0	0	14
Georgia	524	1,241	-58.0%	512	1,226	0	0	0	0	11	15
Maryland	71	288	-75.0%	0	0	71	270	0	0	0	18
North Carolina	531	932	-43.0%	497	912	13	1	0	0	20	19
South Carolina	490	561	-13.0%	490	561	0	0	0	0	0	0
Virginia	103	197	-48.0%	88	140	0	33	0	0	15	24
West Virginia	1,466	1,899	-23.0%	1,231	1,628	234	271	0	0	0	0
East South Central	3,271	3,915	-16.0%	2,988	3,800	242	56	0	0	41	59
Alabama	889	1,160	-23.0%	889	1,160	0	0	0	0	0	0
Kentucky	1,803	2,218	-19.0%	1,803	2,218	0	0	0	0	0	0
Mississippi	274	187	46.0%	32	131	242	56	0	0	0	0
Tennessee	306	349	-12.0%	265	290	0	0	0	0	41	59
West South Central	6,075	8,473	-28.0%	2,901	4,690	3,168	3,761	0	0	5	22
Arkansas	928	1,605	-42.0%	741	1,402	181	196	0	0	5	7
Louisiana	412	516	-20.0%	264	386	148	131	0	0	0	0
Oklahoma	157	542	-71.0%	157	528	0	0	0	0	0	15
Texas	4,578	5,810	-21.0%	1,739	2,375	2,839	3,435	0	0	0	0
Mountain	5,125	6,908	-26.0%	4,545	5,958	581	950	0	0	0	0
Arizona	557	1,359	-59.0%	557	1,359	0	0	0	0	0	0
Colorado	1,037	1,197	-13.0%	1,037	1,197	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	521	853	-39.0%	24	24	497	829	0	0	0	0
Nevada	45	137	-67.0%	0	95	45	42	0	0	0	0
New Mexico	601	713	-16.0%	601	713	0	0	0	0	0	0
Utah	1,007	865	16.0%	1,007	830	0	35	0	0	0	0
Wyoming	1,356	1,782	-24.0%	1,318	1,740	39	43	0	0	0	0
Pacific Contiguous	515	467	10.0%	162	95	321	318	0	0	32	55
California	32	55	-41.0%	0	0	0	0	0	0	32	55
Oregon	162	95	72.0%	162	95	0	0	0	0	0	0
Washington	321	318	0.9%	0	0	321	318	0	0	0	0
Pacific Noncontiguous	92	27	234.0%	33	27	59	0	0	0	0	0
Alaska	33	27	19.0%	33	27	0	0	0	0	0	0
Hawaii	59	0	--	0	0	59	0	0	0	0	0
U.S. Total	36,724	44,418	-17.0%	27,042	32,866	9,124	10,934	3	2	555	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.
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 2020 and 2019 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
New England	24	16	48.0%	8	0	16	16	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	16	16	-2.9%	0	0	16	16	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	8	0	--	8	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	2,541	3,475	-27.0%	0	0	2,531	3,475	0	0	10	0
New Jersey	82	123	-33.0%	0	0	82	123	0	0	0	0
New York	0	69	-100.0%	0	0	0	69	0	0	0	0
Pennsylvania	2,459	3,283	-25.0%	0	0	2,449	3,283	0	0	10	0
East North Central	16,370	19,929	-18.0%	9,120	11,235	6,919	8,396	0	0	331	298
Illinois	4,622	6,577	-30.0%	647	1,329	3,645	4,950	0	0	331	298
Indiana	4,305	5,033	-14.0%	3,881	4,717	424	317	0	0	0	0
Michigan	2,231	2,261	-1.3%	2,231	2,261	0	0	0	0	0	0
Ohio	3,299	3,563	-7.4%	448	433	2,851	3,129	0	0	0	0
Wisconsin	1,913	2,495	-23.0%	1,913	2,495	0	0	0	0	0	0
West North Central	18,667	17,466	6.9%	18,150	16,952	0	0	4	3	513	511
Iowa	2,901	2,295	26.0%	2,533	1,913	0	0	0	0	368	383
Kansas	2,101	1,833	15.0%	2,101	1,833	0	0	0	0	0	0
Minnesota	1,338	1,728	-23.0%	1,338	1,728	0	0	0	0	0	0
Missouri	5,845	5,435	7.5%	5,841	5,432	0	0	4	3	0	0
Nebraska	2,276	1,993	14.0%	2,131	1,865	0	0	0	0	145	128
North Dakota	3,957	3,928	0.7%	3,957	3,928	0	0	0	0	0	0
South Dakota	250	253	-1.4%	250	253	0	0	0	0	0	0
South Atlantic	8,676	13,199	-34.0%	7,813	11,648	773	1,397	0	0	90	155
Delaware	0	59	-100.0%	0	0	0	59	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,164	1,711	-32.0%	1,164	1,697	0	0	0	0	0	14
Georgia	1,309	2,721	-52.0%	1,298	2,701	0	0	0	0	11	20
Maryland	292	585	-50.0%	0	0	292	546	0	0	0	39
North Carolina	1,579	1,807	-13.0%	1,522	1,786	16	3	0	0	41	19
South Carolina	1,021	1,773	-42.0%	1,018	1,765	0	0	0	0	3	8
Virginia	234	443	-47.0%	200	320	0	68	0	0	34	56
West Virginia	3,076	4,099	-25.0%	2,611	3,379	465	721	0	0	0	0
East South Central	7,526	8,836	-15.0%	6,964	8,409	456	325	0	0	107	102
Alabama	2,023	2,342	-14.0%	2,023	2,342	0	0	0	0	0	0
Kentucky	4,126	5,125	-19.0%	4,126	5,125	0	0	0	0	0	0
Mississippi	535	566	-5.5%	79	240	456	325	0	0	0	0
Tennessee	842	804	4.7%	735	702	0	0	0	0	107	102
West South Central	13,186	17,971	-27.0%	6,200	10,024	6,964	7,887	0	0	23	60
Arkansas	2,037	3,322	-39.0%	1,602	2,881	427	427	0	0	8	15
Louisiana	910	1,163	-22.0%	615	836	295	327	0	0	0	0
Oklahoma	286	1,296	-78.0%	266	1,237	4	14	0	0	15	45
Texas	9,953	12,189	-18.0%	3,717	5,069	6,237	7,120	0	0	0	0
Mountain	11,322	14,475	-22.0%	10,011	12,471	1,311	2,003	0	0	0	0
Arizona	1,495	2,786	-46.0%	1,495	2,786	0	0	0	0	0	0
Colorado	2,412	2,527	-4.5%	2,412	2,527	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	1,137	1,778	-36.0%	27	50	1,109	1,728	0	0	0	0
Nevada	131	320	-59.0%	12	203	119	117	0	0	0	0
New Mexico	1,278	1,430	-11.0%	1,278	1,430	0	0	0	0	0	0
Utah	1,845	1,949	-5.3%	1,845	1,875	0	74	0	0	0	0
Wyoming	3,024	3,685	-18.0%	2,942	3,599	82	85	0	0	0	0
Pacific Contiguous	1,279	1,252	2.1%	351	274	831	858	0	0	96	120
California	96	120	-20.0%	0	0	0	0	0	0	96	120
Oregon	351	274	28.0%	351	274	0	0	0	0	0	0
Washington	831	858	-3.1%	0	0	831	858	0	0	0	0
Pacific Noncontiguous	170	125	35.0%	50	66	120	59	0	0	0	0
Alaska	50	66	-24.0%	50	66	0	0	0	0	0	0
Hawaii	120	59	103.0%	0	0	120	59	0	0	0	0
U.S. Total	79,760	96,743	-18.0%	58,668	71,079	19,920	24,416	4	3	1,169	1,245

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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 2020 and 2019
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
New England	7	57	-88.0%	1	3	6	54	0	0	0	0
Connecticut	1	2	-30.0%	0	0	1	2	0	0	0	0
Maine	5	2	198.0%	0	0	5	2	0	0	0	0
Massachusetts	0	50	-100.0%	0	0	0	50	0	0	0	0
New Hampshire	1	3	-71.0%	1	3	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	18	274	-94.0%	0	147	12	120	0	0	6	6
New Jersey	0	1	-100.0%	0	0	0	1	0	0	0	0
New York	0	199	-100.0%	0	147	0	52	0	0	0	0
Pennsylvania	17	74	-77.0%	0	0	11	68	0	0	6	6
East North Central	66	63	6.1%	51	33	14	25	0	0	1	5
Illinois	4	10	-62.0%	0	0	4	10	0	0	0	0
Indiana	33	15	125.0%	33	15	0	0	0	0	0	0
Michigan	17	5	252.0%	16	5	0	0	0	0	1	0
Ohio	5	26	-82.0%	1	14	3	7	0	0	0	5
Wisconsin	8	8	2.2%	1	0	7	8	0	0	0	0
West North Central	36	53	-33.0%	36	53	0	0	0	0	0	0
Iowa	3	7	-57.0%	3	7	0	0	0	0	0	0
Kansas	14	12	16.0%	14	12	0	0	0	0	0	0
Minnesota	2	4	-40.0%	2	4	0	0	0	0	0	0
Missouri	12	12	-2.2%	12	12	0	0	0	0	0	0
Nebraska	0	3	-100.0%	0	3	0	0	0	0	0	0
North Dakota	4	15	-74.0%	4	15	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	94	88	7.6%	71	61	1	7	0	0	22	20
Delaware	0	1	-100.0%	0	0	0	1	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	9	24	-64.0%	5	15	0	0	0	0	4	9
Georgia	17	19	-9.0%	14	13	0	0	0	0	2	5
Maryland	1	6	-74.0%	0	0	1	6	0	0	0	0
North Carolina	16	27	-39.0%	11	22	0	0	0	0	6	4
South Carolina	6	1	360.0%	4	1	0	0	0	0	2	0
Virginia	11	4	150.0%	3	2	0	1	0	0	8	2
West Virginia	34	7	415.0%	34	7	0	0	0	0	0	0
East South Central	16	19	-15.0%	15	17	0	0	0	0	2	2
Alabama	0	0	-53.0%	0	0	0	0	0	0	0	0
Kentucky	10	14	-25.0%	10	14	0	0	0	0	0	0
Mississippi	1	0	105.0%	1	0	0	0	0	0	0	0
Tennessee	5	5	11.0%	3	2	0	0	0	0	2	2
West South Central	25	8	236.0%	14	6	12	1	0	0	0	0
Arkansas	10	3	195.0%	8	3	1	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	2	1	38.0%	2	1	0	0	0	0	0	0
Texas	14	3	364.0%	4	2	10	1	0	0	0	0
Mountain	42	40	5.7%	42	37	0	3	0	0	0	0
Arizona	14	23	-40.0%	14	23	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	3	-91.0%	0	0	0	3	0	0	0	0
Nevada	1	4	-81.0%	1	3	0	0	0	0	0	0
New Mexico	2	3	-28.0%	2	3	0	0	0	0	0	0
Utah	18	2	916.0%	18	2	0	0	0	0	0	0
Wyoming	7	6	19.0%	7	6	0	0	0	0	0	0
Pacific Contiguous	1	1	67.0%	0	0	1	1	0	0	0	0
California	0	0	--	0	0	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	1	1	67.0%	0	0	1	1	0	0	0	0
Pacific Noncontiguous	784	829	-5.4%	708	726	76	103	0	0	0	0
Alaska	1	1	39.0%	1	1	0	0	0	0	0	0
Hawaii	783	828	-5.4%	707	725	76	103	0	0	0	0
U.S. Total	1,090	1,430	-24.0%	937	1,082	123	314	0	0	31	33

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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.
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 2020 and 2019 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
New England	16	176	-91.0%	2	5	15	171	0	0	0	0
Connecticut	2	4	-46.0%	0	0	2	4	0	0	0	0
Maine	10	116	-91.0%	0	0	10	116	0	0	0	0
Massachusetts	2	50	-96.0%	0	0	2	50	0	0	0	0
New Hampshire	2	5	-69.0%	2	5	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	35	486	-93.0%	0	236	23	237	0	0	12	12
New Jersey	0	21	-99.0%	0	0	0	21	0	0	0	0
New York	4	314	-99.0%	0	236	4	78	0	0	0	0
Pennsylvania	31	151	-79.0%	0	0	20	139	0	0	12	12
East North Central	155	163	-4.5%	103	75	49	78	0	0	3	10
Illinois	11	19	-45.0%	1	0	10	19	0	0	0	0
Indiana	62	35	77.0%	62	35	0	0	0	0	0	0
Michigan	34	26	30.0%	33	24	0	0	0	0	1	2
Ohio	37	74	-49.0%	3	15	32	51	0	0	2	8
Wisconsin	12	9	39.0%	5	1	7	8	0	0	0	0
West North Central	84	101	-17.0%	84	101	0	0	0	0	0	0
Iowa	10	15	-30.0%	10	15	0	0	0	0	0	0
Kansas	21	17	20.0%	21	17	0	0	0	0	0	0
Minnesota	4	7	-40.0%	4	7	0	0	0	0	0	0
Missouri	17	30	-42.0%	17	30	0	0	0	0	0	0
Nebraska	0	6	-100.0%	0	6	0	0	0	0	0	0
North Dakota	32	26	22.0%	32	26	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	225	253	-11.0%	182	190	2	29	0	0	41	34
Delaware	0	1	-100.0%	0	0	0	1	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	17	31	-44.0%	10	18	0	0	0	0	7	13
Georgia	49	41	20.0%	39	32	0	0	0	0	10	9
Maryland	2	20	-90.0%	0	0	2	20	0	0	0	0
North Carolina	59	65	-9.1%	47	61	0	0	0	0	13	4
South Carolina	15	11	34.0%	13	10	0	0	0	0	2	1
Virginia	18	47	-63.0%	9	33	0	8	0	0	8	6
West Virginia	64	36	77.0%	64	36	0	0	0	0	0	0
East South Central	50	60	-17.0%	49	50	0	8	0	0	2	2
Alabama	0	12	-99.0%	0	4	0	8	0	0	0	0
Kentucky	29	28	2.3%	29	28	0	0	0	0	0	0
Mississippi	2	2	-28.0%	2	2	0	0	0	0	0	0
Tennessee	20	17	13.0%	18	15	0	0	0	0	2	2
West South Central	39	17	123.0%	27	10	12	7	0	0	0	0
Arkansas	12	8	42.0%	11	3	1	5	0	0	0	0
Louisiana	4	0	--	4	0	0	0	0	0	0	0
Oklahoma	2	4	-53.0%	2	4	0	0	0	0	0	0
Texas	22	5	307.0%	11	3	10	2	0	0	0	0
Mountain	88	85	4.2%	85	79	3	6	0	0	0	0
Arizona	19	33	-44.0%	19	33	0	0	0	0	0	0
Colorado	1	0	--	1	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	3	5	-47.0%	0	0	3	5	0	0	0	0
Nevada	3	5	-45.0%	3	5	0	1	0	0	0	0
New Mexico	8	6	25.0%	8	6	0	0	0	0	0	0
Utah	36	27	33.0%	36	27	0	0	0	0	0	0
Wyoming	19	8	157.0%	19	8	0	0	0	0	0	0
Pacific Contiguous	2	2	0.2%	0	0	2	2	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	2	2	0.2%	0	0	2	2	0	0	0	0
Pacific Noncontiguous	1,290	1,514	-15.0%	1,150	1,345	141	169	0	0	0	0
Alaska	5	3	103.0%	5	3	0	0	0	0	0	0
Hawaii	1,285	1,511	-15.0%	1,144	1,342	141	169	0	0	0	0
U.S. Total	1,985	2,856	-30.0%	1,681	2,090	247	708	0	0	57	58

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

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

Table 4.8.A. Receipts of Petroleum Coke Delivered for Electricity Generation by State, February 2020 and 2019 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
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	33	1	NM	33	1	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	28	0	--	28	0	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	5	1	729.0%	5	1	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	75	37	99.0%	75	37	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	75	37	99.0%	75	37	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	136	117	16.0%	136	117	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	136	117	16.0%	136	117	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	244	155	57.0%	244	155	0	0	0	0	0	0

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

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

Table 4.8.B. Receipts of Petroleum Coke Delivered for Electricity Generation by State, (Year-to-Date) February 2020 and 2019 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 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	65	35	85.0%	65	35	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	55	29	90.0%	55	29	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	10	6	65.0%	10	6	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	188	75	149.0%	188	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	188	75	149.0%	188	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	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	286	236	21.0%	286	236	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	286	236	21.0%	286	236	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	539	347	55.0%	539	347	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 4.9.A. Receipts of Natural Gas Delivered for Electricity Generation by State, February 2020 and 2019
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
New England	24,759	21,720	14.0%	2	4	24,757	21,716	0	0	0	0
Connecticut	12,371	9,699	28.0%	0	0	12,371	9,699	0	0	0	0
Maine	319	790	-60.0%	0	0	319	790	0	0	0	0
Massachusetts	7,998	9,056	-12.0%	0	1	7,998	9,056	0	0	0	0
New Hampshire	1,483	612	142.0%	2	3	1,481	609	0	0	0	0
Rhode Island	2,589	1,562	66.0%	0	0	2,589	1,562	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	104,282	93,541	11.0%	7,048	6,890	96,335	85,757	0	0	899	894
New Jersey	15,211	20,189	-25.0%	0	0	15,211	20,189	0	0	0	0
New York	27,136	25,908	4.7%	7,048	6,890	19,460	18,388	0	0	628	629
Pennsylvania	61,935	47,444	31.0%	0	0	61,664	47,179	0	0	271	265
East North Central	89,384	75,929	18.0%	31,327	23,720	56,287	50,270	524	596	1,246	1,342
Illinois	8,026	4,868	65.0%	2,134	190	5,889	4,676	0	0	4	3
Indiana	17,030	15,357	11.0%	6,923	6,014	10,107	9,343	0	0	0	0
Michigan	23,257	16,985	37.0%	6,687	2,827	15,531	12,979	524	596	516	584
Ohio	29,033	28,568	1.6%	4,203	5,047	24,347	22,958	0	0	483	563
Wisconsin	12,038	10,150	19.0%	11,381	9,643	413	314	0	0	244	193
West North Central	12,928	12,534	3.1%	10,675	10,941	1,643	1,084	139	149	472	360
Iowa	4,857	3,843	26.0%	4,385	3,492	0	0	0	0	472	350
Kansas	1,233	1,048	18.0%	1,233	1,048	0	0	0	0	0	0
Minnesota	2,935	4,600	-36.0%	2,746	4,547	189	43	0	1	0	10
Missouri	3,561	2,796	27.0%	1,969	1,607	1,453	1,041	139	148	0	0
Nebraska	94	123	-23.0%	94	123	0	0	0	0	0	0
North Dakota	247	123	101.0%	247	123	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	214,359	190,474	13.0%	178,754	161,218	32,639	26,372	0	0	2,965	2,883
Delaware	1,221	1,308	-6.7%	0	0	1,221	1,308	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	92,731	82,379	13.0%	89,169	79,916	3,405	2,115	0	0	157	348
Georgia	32,026	26,329	22.0%	25,165	20,679	6,070	5,053	0	0	791	597
Maryland	8,939	8,214	8.8%	3,023	3,092	5,915	4,895	0	0	0	227
North Carolina	28,893	25,933	11.0%	24,339	21,574	4,275	4,118	0	0	280	240
South Carolina	14,350	12,378	16.0%	14,156	12,020	81	246	0	0	114	113
Virginia	35,169	33,229	5.8%	22,894	23,829	11,312	8,489	0	0	963	912
West Virginia	1,030	703	46.0%	8	109	361	148	0	0	660	447
East South Central	78,185	63,339	23.0%	55,752	41,833	20,065	19,235	0	0	2,369	2,271
Alabama	28,665	24,985	15.0%	8,633	8,175	20,032	16,809	0	0	0	0
Kentucky	6,749	5,724	18.0%	6,725	5,543	24	180	0	0	0	0
Mississippi	30,981	22,088	40.0%	30,973	19,843	8	2,246	0	0	0	0
Tennessee	11,789	10,542	12.0%	9,421	8,271	0	0	0	0	2,369	2,271
West South Central	221,761	194,057	14.0%	65,409	55,626	102,946	86,574	0	0	53,406	51,857
Arkansas	7,356	11,123	-34.0%	5,939	9,755	1,158	1,129	0	0	258	239
Louisiana	41,905	35,513	18.0%	22,862	15,365	2,177	2,243	0	0	16,866	17,905
Oklahoma	25,972	20,558	26.0%	14,993	12,918	10,576	7,340	0	0	403	301
Texas	146,528	126,863	16.0%	21,615	17,588	89,035	75,862	0	0	35,879	33,412
Mountain	62,555	53,309	17.0%	52,998	45,679	9,514	7,630	0	0	44	0
Arizona	25,236	19,134	32.0%	18,837	15,636	6,399	3,498	0	0	0	0
Colorado	11,327	10,010	13.0%	9,935	8,344	1,392	1,666	0	0	0	0
Idaho	1,287	1,298	-0.9%	1,287	1,298	0	0	0	0	0	0
Montana	174	327	-47.0%	174	327	0	0	0	0	0	0
Nevada	12,344	11,255	9.7%	12,344	11,255	0	0	0	0	0	0
New Mexico	6,745	5,705	18.0%	5,026	3,238	1,720	2,467	0	0	0	0
Utah	5,163	5,313	-2.8%	5,119	5,312	0	0	0	0	44	0
Wyoming	279	268	4.2%	276	268	3	0	0	0	0	0
Pacific Contiguous	49,419	54,171	-8.8%	20,646	18,966	26,860	32,945	0	0	1,914	2,260
California	36,607	41,277	-11.0%	13,954	13,585	20,740	25,432	0	0	1,914	2,260
Oregon	8,949	10,418	-14.0%	3,737	3,452	5,212	6,966	0	0	0	0
Washington	3,863	2,477	56.0%	2,955	1,929	908	547	0	0	0	0
Pacific Noncontiguous	14	23	-39.0%	14	23	0	0	0	0	0	0
Alaska	14	23	-39.0%	14	23	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	857,646	759,097	13.0%	422,625	364,901	371,044	331,583	663	745	63,315	61,868

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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 2020 and 2019 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
New England	53,254	47,081	13.0%	3	19	53,251	47,062	0	0	0	0
Connecticut	25,526	20,814	23.0%	0	0	25,526	20,814	0	0	0	0
Maine	770	1,567	-51.0%	0	0	770	1,567	0	0	0	0
Massachusetts	18,018	19,553	-7.9%	0	14	18,018	19,539	0	0	0	0
New Hampshire	3,492	1,866	87.0%	3	4	3,488	1,862	0	0	0	0
Rhode Island	5,448	3,281	66.0%	0	0	5,448	3,281	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	218,100	192,360	13.0%	14,194	13,702	202,036	176,797	0	0	1,871	1,862
New Jersey	32,424	40,843	-21.0%	0	0	32,424	40,843	0	0	0	0
New York	56,064	53,149	5.5%	14,194	13,702	40,572	38,147	0	0	1,298	1,300
Pennsylvania	129,612	98,368	32.0%	0	0	129,040	97,807	0	0	572	562
East North Central	189,084	156,321	21.0%	66,920	50,807	118,598	101,453	1,102	1,188	2,465	2,874
Illinois	17,170	10,164	69.0%	4,012	540	13,153	9,619	0	0	5	4
Indiana	35,638	31,944	12.0%	14,688	12,292	20,950	19,652	0	0	0	0
Michigan	49,849	36,801	35.0%	15,703	7,610	32,042	26,775	1,102	1,188	1,002	1,228
Ohio	60,855	56,303	8.1%	8,766	10,415	51,117	44,683	0	0	972	1,205
Wisconsin	25,572	21,109	21.0%	23,751	19,949	1,336	723	0	0	486	437
West North Central	27,052	24,570	10.0%	22,230	20,941	3,706	2,341	324	308	792	980
Iowa	8,667	8,748	-0.9%	7,874	7,793	0	0	0	0	792	955
Kansas	2,320	2,284	1.6%	2,320	2,284	0	0	0	0	0	0
Minnesota	7,381	7,134	3.5%	7,192	7,038	189	71	0	1	0	25
Missouri	8,037	5,940	35.0%	4,197	3,363	3,516	2,270	324	308	0	0
Nebraska	193	206	-6.3%	193	206	0	0	0	0	0	0
North Dakota	454	258	75.0%	454	258	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	426,814	385,830	11.0%	356,157	328,023	64,585	51,889	0	0	6,073	5,919
Delaware	2,626	2,371	11.0%	0	0	2,626	2,371	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	185,983	168,543	10.0%	179,566	164,590	5,834	3,347	0	0	583	606
Georgia	60,189	55,221	9.0%	46,745	43,662	12,083	10,156	0	0	1,362	1,403
Maryland	15,147	15,414	-1.7%	4,126	5,658	11,020	9,300	0	0	0	456
North Carolina	57,561	50,471	14.0%	48,153	41,703	8,834	8,528	0	0	574	240
South Carolina	28,805	24,860	16.0%	28,454	24,236	118	380	0	0	233	244
Virginia	74,380	67,293	11.0%	49,099	47,898	23,345	17,512	0	0	1,937	1,883
West Virginia	2,122	1,657	28.0%	14	275	724	296	0	0	1,384	1,086
East South Central	153,779	134,436	14.0%	105,760	89,498	43,312	40,228	0	0	4,707	4,710
Alabama	55,005	50,194	9.6%	15,721	16,682	39,284	33,512	0	0	0	0
Kentucky	14,743	14,724	0.1%	14,545	14,030	198	695	0	0	0	0
Mississippi	60,769	47,985	27.0%	56,939	41,964	3,830	6,021	0	0	0	0
Tennessee	23,262	21,533	8.0%	18,554	16,822	0	0	0	0	4,707	4,710
West South Central	458,447	424,602	8.0%	139,735	119,715	206,618	193,984	0	0	112,094	110,904
Arkansas	18,233	19,394	-6.0%	15,365	16,497	2,346	2,368	0	0	522	529
Louisiana	85,309	77,566	10.0%	44,734	35,875	4,647	4,780	0	0	35,928	36,912
Oklahoma	54,298	45,033	21.0%	31,941	27,280	21,494	16,996	0	0	864	757
Texas	300,607	282,609	6.4%	47,696	40,063	178,132	169,841	0	0	74,780	72,706
Mountain	126,515	110,973	14.0%	105,086	95,554	21,342	15,397	0	0	87	22
Arizona	52,349	40,751	28.0%	37,664	33,054	14,685	7,696	0	0	0	0
Colorado	19,119	19,558	-2.2%	16,692	17,035	2,427	2,523	0	0	0	0
Idaho	2,712	2,719	-0.3%	2,712	2,719	0	0	0	0	0	0
Montana	376	531	-29.0%	376	531	0	0	0	0	0	0
Nevada	26,326	24,050	9.5%	26,326	24,050	0	0	0	0	0	0
New Mexico	14,343	12,580	14.0%	10,118	7,406	4,224	5,175	0	0	0	0
Utah	10,668	10,393	2.7%	10,581	10,370	0	0	0	0	87	22
Wyoming	623	391	59.0%	617	388	6	3	0	0	0	0
Pacific Contiguous	108,101	116,332	-7.1%	43,881	40,800	59,598	70,781	0	0	4,623	4,751
California	78,485	85,882	-8.6%	29,084	27,730	44,779	53,400	0	0	4,623	4,751
Oregon	20,411	21,813	-6.4%	8,226	7,668	12,185	14,145	0	0	0	0
Washington	9,205	8,637	6.6%	6,571	5,402	2,634	3,235	0	0	0	0
Pacific Noncontiguous	51	132	-61.0%	51	132	0	0	0	0	0	0
Alaska	51	132	-61.0%	51	132	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,761,199	1,592,637	11.0%	854,017	759,189	773,045	699,930	1,426	1,496	132,712	132,022

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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 2020 and 2019
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019
New England	W	W	W	--	--	W	W
Connecticut	--	--	--	--	--	--	--
Maine	W	W	W	--	--	W	W
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	1.73	2.03	-15.0%	--	--	1.73	2.03
New Jersey	W	W	W	--	--	W	W
New York	--	W	W	--	--	--	W
Pennsylvania	W	1.92	W	--	--	W	1.92
East North Central	1.91	2.01	-5.0%	2.04	2.12	1.75	1.87
Illinois	W	1.86	W	1.60	1.99	W	1.81
Indiana	W	W	W	2.13	2.14	W	W
Michigan	1.99	2.11	-5.7%	1.99	2.11	--	--
Ohio	1.80	W	W	1.88	1.78	1.79	W
Wisconsin	2.08	2.24	-7.1%	2.08	2.24	--	--
West North Central	1.55	1.65	-6.1%	1.55	1.65	--	--
Iowa	1.54	1.55	-0.6%	1.54	1.55	--	--
Kansas	1.58	1.63	-3.1%	1.58	1.63	--	--
Minnesota	2.01	2.08	-3.4%	2.01	2.08	--	--
Missouri	1.57	1.70	-7.6%	1.57	1.70	--	--
Nebraska	1.24	1.21	2.5%	1.24	1.21	--	--
North Dakota	1.49	1.61	-7.5%	1.49	1.61	--	--
South Dakota	1.99	2.04	-2.5%	1.99	2.04	--	--
South Atlantic	2.46	2.71	-9.2%	2.50	2.75	2.03	2.44
Delaware	--	W	W	--	--	--	W
District of Columbia	--	--	--	--	--	--	--
Florida	2.58	2.85	-9.5%	2.58	2.85	--	--
Georgia	2.77	2.75	0.7%	2.77	2.75	--	--
Maryland	W	2.75	W	--	--	W	2.75
North Carolina	W	W	W	2.65	3.46	W	W
South Carolina	3.11	3.34	-6.9%	3.11	3.34	--	--
Virginia	2.32	W	W	2.32	2.82	--	W
West Virginia	W	W	W	2.10	2.11	W	W
East South Central	W	W	W	1.94	2.09	W	W
Alabama	2.07	2.24	-7.6%	2.07	2.24	--	--
Kentucky	1.88	1.96	-4.1%	1.88	1.96	--	--
Mississippi	W	W	W	2.62	2.95	W	W
Tennessee	1.98	2.21	-10.0%	1.98	2.21	--	--
West South Central	1.82	1.91	-4.7%	2.00	2.10	1.64	1.65
Arkansas	W	W	W	1.85	2.03	W	W
Louisiana	W	W	W	3.06	3.01	W	W
Oklahoma	1.50	1.83	-18.0%	1.50	1.83	--	--
Texas	W	W	W	1.94	2.06	W	W
Mountain	W	W	W	1.93	2.16	W	W
Arizona	2.25	2.63	-14.0%	2.25	2.63	--	--
Colorado	1.69	1.79	-5.6%	1.69	1.79	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	2.28	1.98	W	W
Nevada	W	W	W	--	2.96	W	W
New Mexico	2.47	2.60	-5.0%	2.47	2.60	--	--
Utah	2.10	2.00	5.0%	2.10	2.00	--	--
Wyoming	W	W	W	1.58	1.88	W	W
Pacific Contiguous	W	W	W	2.21	2.21	W	W
California	--	--	--	--	--	--	--
Oregon	2.21	2.21	0.0%	2.21	2.21	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	3.26	W	4.19	3.26	W	--
Alaska	4.19	3.26	29.0%	4.19	3.26	--	--
Hawaii	W	--	W	--	--	W	--
U.S. Total	1.90	2.06	-7.8%	1.95	2.14	1.76	1.83

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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 2020 and 2019
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
New England	W	W	W	3.13	--	W	W
Connecticut	--	--	--	--	--	--	--
Maine	W	W	W	--	--	W	W
Massachusetts	--	--	--	--	--	--	--
New Hampshire	3.13	--	--	3.13	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	1.77	2.11	-16.0%	--	--	1.77	2.11
New Jersey	W	W	W	--	--	W	W
New York	--	W	W	--	--	--	W
Pennsylvania	W	2.02	W	--	--	W	2.02
East North Central	1.92	2.01	-4.5%	2.04	2.12	1.76	1.86
Illinois	W	1.86	W	1.70	2.03	W	1.81
Indiana	W	W	W	2.12	2.16	W	W
Michigan	2.00	2.04	-2.0%	2.00	2.04	--	--
Ohio	1.79	W	W	1.85	1.80	1.78	W
Wisconsin	2.08	2.25	-7.6%	2.08	2.25	--	--
West North Central	1.56	1.65	-5.5%	1.56	1.65	--	--
Iowa	1.52	1.57	-3.2%	1.52	1.57	--	--
Kansas	1.59	1.66	-4.2%	1.59	1.66	--	--
Minnesota	2.00	2.07	-3.4%	2.00	2.07	--	--
Missouri	1.58	1.71	-7.6%	1.58	1.71	--	--
Nebraska	1.23	1.23	0.0%	1.23	1.23	--	--
North Dakota	1.54	1.56	-1.3%	1.54	1.56	--	--
South Dakota	2.06	2.01	2.5%	2.06	2.01	--	--
South Atlantic	2.48	2.71	-8.5%	2.51	2.75	2.14	2.38
Delaware	--	W	W	--	--	--	W
District of Columbia	--	--	--	--	--	--	--
Florida	2.58	2.90	-11.0%	2.58	2.90	--	--
Georgia	2.73	2.72	0.4%	2.73	2.72	--	--
Maryland	2.61	2.78	-6.1%	--	--	2.61	2.78
North Carolina	W	W	W	2.65	3.45	W	W
South Carolina	3.11	3.21	-3.1%	3.11	3.21	--	--
Virginia	2.44	W	W	2.44	2.76	--	W
West Virginia	W	W	W	2.11	2.11	W	W
East South Central	W	W	W	1.93	2.10	W	W
Alabama	2.04	2.27	-10.0%	2.04	2.27	--	--
Kentucky	1.86	1.95	-4.6%	1.86	1.95	--	--
Mississippi	W	W	W	2.63	3.13	W	W
Tennessee	2.01	2.34	-14.0%	2.01	2.34	--	--
West South Central	1.80	1.93	-6.7%	1.98	2.10	1.64	1.70
Arkansas	W	W	W	1.87	2.04	W	W
Louisiana	W	W	W	2.94	2.81	W	W
Oklahoma	W	W	W	1.58	1.81	W	W
Texas	W	W	W	1.89	2.09	W	W
Mountain	W	W	W	1.98	2.16	W	W
Arizona	2.19	2.64	-17.0%	2.19	2.64	--	--
Colorado	1.67	1.79	-6.7%	1.67	1.79	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	2.29	1.99	W	W
Nevada	W	W	W	2.38	2.96	W	W
New Mexico	2.58	2.63	-1.9%	2.58	2.63	--	--
Utah	2.09	1.98	5.6%	2.09	1.98	--	--
Wyoming	W	W	W	1.78	1.90	W	W
Pacific Contiguous	W	W	W	2.18	2.17	W	W
California	--	--	--	--	--	--	--
Oregon	2.18	2.17	0.5%	2.18	2.17	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	3.94	3.49	W	W
Alaska	3.94	3.49	13.0%	3.94	3.49	--	--
Hawaii	W	W	W	--	--	W	W
U.S. Total	1.92	2.08	-7.7%	1.96	2.15	1.78	1.87

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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 2020 and 2019
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019
New England	W	W	W	16.21	18.01	W	W
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	--	W	W	--	--	--	W
New Hampshire	16.21	18.01	-10.0%	16.21	18.01	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	12.78	12.93	-1.2%	--	11.94	12.78	14.16
New Jersey	--	W	W	--	--	--	W
New York	W	W	W	--	11.94	W	W
Pennsylvania	W	W	W	--	--	W	W
East North Central	W	W	W	12.18	15.45	W	W
Illinois	W	18.41	W	--	--	W	18.41
Indiana	12.21	15.23	-20.0%	12.21	15.23	--	--
Michigan	11.98	15.79	-24.0%	11.98	15.79	--	--
Ohio	W	15.36	W	12.70	15.56	W	14.99
Wisconsin	W	W	W	14.36	--	W	W
West North Central	12.41	14.84	-16.0%	12.41	14.84	--	--
Iowa	11.93	14.43	-17.0%	11.93	14.43	--	--
Kansas	12.65	14.79	-14.0%	12.65	14.79	--	--
Minnesota	12.45	17.82	-30.0%	12.45	17.82	--	--
Missouri	12.61	14.73	-14.0%	12.61	14.73	--	--
Nebraska	--	15.15	--	--	15.15	--	--
North Dakota	11.26	14.39	-22.0%	11.26	14.39	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	W	14.88	W	13.42	14.86	W	15.02
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	13.10	14.68	-11.0%	13.10	14.68	--	--
Georgia	12.91	14.76	-13.0%	12.91	14.76	--	--
Maryland	W	W	W	--	--	W	W
North Carolina	12.67	14.53	-13.0%	12.67	14.53	--	--
South Carolina	15.91	14.61	8.9%	15.91	14.61	--	--
Virginia	13.17	W	W	13.17	15.80	--	W
West Virginia	13.63	16.41	-17.0%	13.63	16.41	--	--
East South Central	12.49	14.59	-14.0%	12.49	14.59	--	--
Alabama	12.66	14.70	-14.0%	12.66	14.70	--	--
Kentucky	12.71	14.63	-13.0%	12.71	14.63	--	--
Mississippi	11.44	13.60	-16.0%	11.44	13.60	--	--
Tennessee	12.05	14.49	-17.0%	12.05	14.49	--	--
West South Central	W	W	W	12.47	16.39	W	W
Arkansas	W	W	W	12.40	14.05	W	W
Louisiana	--	--	--	--	--	--	--
Oklahoma	12.86	15.78	-19.0%	12.86	15.78	--	--
Texas	W	W	W	12.43	21.21	W	W
Mountain	W	W	W	15.19	14.97	W	W
Arizona	14.61	15.01	-2.7%	14.61	15.01	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	16.24	W	W	16.24	14.69	--	W
New Mexico	14.37	14.38	-0.1%	14.37	14.38	--	--
Utah	16.06	14.41	11.0%	16.06	14.41	--	--
Wyoming	14.16	15.42	-8.2%	14.16	15.42	--	--
Pacific Contiguous	W	W	W	--	--	W	W
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	12.78	12.69	W	W
Alaska	15.69	15.54	1.0%	15.69	15.54	--	--
Hawaii	W	W	W	12.77	12.68	W	W
U.S. Total	13.08	13.15	-0.5%	12.88	13.01	14.71	13.63

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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 4.11.B. Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, (Year-to-Date) February 2020 and 2019 (Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
New England	13.90	10.04	38.0%	17.27	17.77	13.56	9.83
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	17.27	17.77	-2.8%	17.27	17.77	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	13.56	12.55	8.0%	--	11.65	13.56	13.48
New Jersey	W	W	W	--	--	W	W
New York	W	12.45	W	--	11.65	W	15.00
Pennsylvania	W	W	W	--	--	W	W
East North Central	13.33	14.51	-8.1%	12.79	13.90	14.46	15.10
Illinois	W	W	W	13.43	--	W	W
Indiana	12.76	14.31	-11.0%	12.76	14.31	--	--
Michigan	12.57	12.59	-0.2%	12.57	12.59	--	--
Ohio	14.70	14.08	4.4%	14.01	15.23	14.75	13.75
Wisconsin	W	W	W	13.79	11.30	W	W
West North Central	12.74	14.10	-9.6%	12.74	14.10	--	--
Iowa	13.27	13.99	-5.1%	13.27	13.99	--	--
Kansas	13.02	14.66	-11.0%	13.02	14.66	--	--
Minnesota	13.08	14.56	-10.0%	13.08	14.56	--	--
Missouri	12.96	13.79	-6.0%	12.96	13.79	--	--
Nebraska	--	14.52	--	--	14.52	--	--
North Dakota	12.24	13.95	-12.0%	12.24	13.95	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	W	13.93	W	13.93	14.00	W	13.42
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	13.52	14.50	-6.8%	13.52	14.50	--	--
Georgia	13.86	W	W	13.86	14.03	--	W
Maryland	W	W	W	--	--	W	W
North Carolina	13.80	14.35	-3.8%	13.80	14.35	--	--
South Carolina	14.77	14.22	3.9%	14.77	14.22	--	--
Virginia	W	W	W	14.27	12.26	W	W
West Virginia	13.90	14.69	-5.4%	13.90	14.69	--	--
East South Central	13.16	W	W	13.16	13.92	--	W
Alabama	12.66	W	W	12.66	14.62	--	W
Kentucky	13.30	13.98	-4.9%	13.30	13.98	--	--
Mississippi	12.42	13.29	-6.5%	12.42	13.29	--	--
Tennessee	13.01	13.73	-5.2%	13.01	13.73	--	--
West South Central	13.08	W	W	13.22	15.70	12.75	W
Arkansas	W	W	W	12.64	14.05	W	W
Louisiana	14.54	--	--	14.54	--	--	--
Oklahoma	12.86	15.13	-15.0%	12.86	15.13	--	--
Texas	W	W	W	13.40	18.05	W	W
Mountain	W	W	W	15.12	16.21	W	W
Arizona	14.78	14.81	-0.2%	14.78	14.81	--	--
Colorado	13.17	--	--	13.17	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	16.89	W	W	16.89	14.56	--	W
New Mexico	16.32	19.69	-17.0%	16.32	19.69	--	--
Utah	15.37	17.73	-13.0%	15.37	17.73	--	--
Wyoming	14.33	15.14	-5.4%	14.33	15.14	--	--
Pacific Contiguous	W	W	W	--	--	W	W
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	13.06	12.43	W	W
Alaska	16.17	15.54	4.1%	16.17	15.54	--	--
Hawaii	W	W	W	13.04	12.42	W	W
U.S. Total	13.44	12.77	5.2%	13.22	12.80	14.91	12.69

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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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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 4.12.A. Average Cost of Petroleum Coke Delivered for Electricity Generation by State, February 2020 and 2019
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	1.30	1.85	-30.0%	1.30	1.85	--	--
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	1.20	--	--	1.20	--	--	--
Ohio	--	--	--	--	--	--	--
Wisconsin	1.87	1.85	1.1%	1.87	1.85	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	1.99	2.62	-24.0%	1.99	2.62	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	1.99	2.62	-24.0%	1.99	2.62	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	--	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	1.24	2.17	-43.0%	1.24	2.17	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	1.24	2.17	-43.0%	1.24	2.17	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--
Mountain	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	1.47	2.27	-35.0%	1.47	2.27	--	--

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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 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 2020 and 2019 (Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	1.30	1.62	-20.0%	1.30	1.62	--	--
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	1.20	1.57	-24.0%	1.20	1.57	--	--
Ohio	--	--	--	--	--	--	--
Wisconsin	1.88	1.90	-1.1%	1.88	1.90	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	1.87	2.60	-28.0%	1.87	2.60	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	1.87	2.60	-28.0%	1.87	2.60	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	--	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	1.32	2.11	-37.0%	1.32	2.11	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	1.32	2.11	-37.0%	1.32	2.11	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--
Mountain	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	1.50	2.17	-31.0%	1.50	2.17	--	--

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

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

Table 4.13.A. Average Cost of Natural Gas Delivered for Electricity Generation by State, February 2020 and 2019
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2020	February 2019	Percentage Change	February 2020	February 2019	February 2020	February 2019
New England	W	W	W	9.40	9.44	W	W
Connecticut	2.80	5.18	-46.0%	--	--	2.80	5.18
Maine	--	W	W	--	--	--	W
Massachusetts	W	W	W	--	5.55	W	W
New Hampshire	W	W	W	9.40	10.44	W	W
Rhode Island	W	W	W	--	--	W	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.13	3.46	-38.0%	3.38	5.19	2.01	3.31
New Jersey	2.25	3.85	-42.0%	--	--	2.25	3.85
New York	2.61	4.31	-39.0%	3.38	5.19	2.28	3.91
Pennsylvania	1.85	2.90	-36.0%	--	--	1.85	2.90
East North Central	1.96	2.91	-33.0%	2.16	3.17	1.84	2.78
Illinois	W	W	W	1.86	3.23	W	W
Indiana	W	W	W	2.25	3.02	W	W
Michigan	1.99	2.92	-32.0%	2.13	3.07	1.92	2.89
Ohio	1.78	2.75	-35.0%	1.89	2.78	1.76	2.74
Wisconsin	W	3.51	W	2.28	3.51	W	--
West North Central	W	W	W	2.22	3.60	W	W
Iowa	1.92	3.79	-49.0%	1.92	3.79	--	--
Kansas	2.78	3.88	-28.0%	2.78	3.88	--	--
Minnesota	W	W	W	2.49	3.46	W	W
Missouri	W	W	W	1.93	2.92	W	W
Nebraska	6.55	3.63	80.0%	6.55	3.63	--	--
North Dakota	2.37	4.77	-50.0%	2.37	4.77	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	3.04	3.87	-21.0%	3.18	3.96	2.10	3.22
Delaware	W	--	W	--	--	W	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.20	4.16	W	W
Georgia	W	W	W	2.29	3.26	W	W
Maryland	2.42	3.56	-32.0%	2.33	3.75	2.46	3.43
North Carolina	W	W	W	3.31	3.82	W	W
South Carolina	2.67	3.38	-21.0%	2.67	3.38	--	--
Virginia	3.74	W	W	4.36	4.36	1.77	W
West Virginia	W	3.03	W	1.56	2.88	W	3.14
East South Central	2.36	3.16	-25.0%	2.41	3.23	2.14	2.99
Alabama	W	W	W	2.36	3.10	W	W
Kentucky	W	W	W	3.27	4.09	W	W
Mississippi	W	W	W	2.27	3.10	W	W
Tennessee	2.31	3.09	-25.0%	2.31	3.09	--	--
West South Central	1.90	2.79	-32.0%	1.92	2.79	1.89	2.78
Arkansas	W	W	W	2.08	2.78	W	W
Louisiana	W	W	W	2.13	2.94	W	W
Oklahoma	W	W	W	2.00	2.83	W	W
Texas	1.83	2.76	-34.0%	1.61	2.64	1.89	2.79
Mountain	2.29	4.07	-44.0%	2.28	3.96	2.44	5.16
Arizona	W	W	W	2.14	3.02	W	W
Colorado	W	W	W	2.79	3.42	W	W
Idaho	1.93	8.54	-77.0%	1.93	8.54	--	--
Montana	1.49	2.65	-44.0%	1.49	2.65	--	--
Nevada	2.56	4.93	-48.0%	2.56	4.93	--	--
New Mexico	1.02	2.22	-54.0%	1.02	2.22	--	--
Utah	2.37	5.28	-55.0%	2.37	5.28	--	--
Wyoming	W	2.96	W	1.83	2.96	W	--
Pacific Contiguous	2.72	6.59	-59.0%	2.74	6.91	2.69	6.31
California	2.88	W	W	2.99	7.66	2.79	W
Oregon	W	W	W	1.83	4.09	W	W
Washington	W	W	W	2.95	7.76	W	W
Pacific Noncontiguous	7.87	7.72	1.9%	7.87	7.72	--	--
Alaska	7.87	7.72	1.9%	7.87	7.72	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.42	3.65	-34.0%	2.66	3.79	2.09	3.47

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

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

Table 4.13.B. Average Cost of Natural Gas Delivered for Electricity Generation by State, (Year-to-Date) February 2020 and 2019
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2020 YTD	February 2019 YTD	Percentage Change	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
New England	3.97	6.95	-43.0%	11.36	11.01	3.97	6.95
Connecticut	3.34	6.10	-45.0%	--	--	3.34	6.10
Maine	W	W	W	--	--	W	W
Massachusetts	5.53	W	W	--	10.99	5.53	W
New Hampshire	W	W	W	11.36	11.10	W	W
Rhode Island	W	W	W	--	--	W	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.24	3.86	-42.0%	3.79	6.03	2.11	3.67
New Jersey	2.37	4.12	-42.0%	--	--	2.37	4.12
New York	2.81	4.96	-43.0%	3.79	6.03	2.40	4.50
Pennsylvania	1.94	3.23	-40.0%	--	--	1.94	3.23
East North Central	2.05	3.13	-35.0%	2.24	3.37	1.94	3.01
Illinois	W	3.36	W	1.99	4.47	W	3.30
Indiana	2.13	3.07	-31.0%	2.33	3.24	1.99	2.96
Michigan	2.07	3.15	-34.0%	2.18	3.37	2.01	3.09
Ohio	1.87	2.97	-37.0%	1.90	3.14	1.87	2.93
Wisconsin	W	3.55	W	2.40	3.55	W	--
West North Central	W	W	W	2.28	3.52	W	W
Iowa	2.02	3.42	-41.0%	2.02	3.42	--	--
Kansas	2.72	3.90	-30.0%	2.72	3.90	--	--
Minnesota	W	W	W	2.42	3.65	W	W
Missouri	W	W	W	2.00	3.19	W	W
Nebraska	6.69	3.69	81.0%	6.69	3.69	--	--
North Dakota	2.91	5.45	-47.0%	2.91	5.45	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	3.11	4.28	-27.0%	3.25	4.38	2.19	3.51
Delaware	W	--	W	--	--	W	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.30	4.55	W	W
Georgia	W	W	W	2.40	3.58	W	W
Maryland	2.57	W	W	2.59	4.87	2.56	W
North Carolina	W	W	W	3.38	4.38	W	W
South Carolina	2.77	3.74	-26.0%	2.77	3.74	--	--
Virginia	3.54	W	W	4.06	4.80	1.86	W
West Virginia	W	3.22	W	2.43	3.15	W	3.28
East South Central	2.47	3.41	-28.0%	2.53	3.48	2.27	3.22
Alabama	W	W	W	2.54	3.50	W	W
Kentucky	W	W	W	3.37	4.09	W	W
Mississippi	W	W	W	2.35	3.33	W	W
Tennessee	2.40	3.30	-27.0%	2.40	3.30	--	--
West South Central	1.95	3.00	-35.0%	2.01	3.04	1.90	2.97
Arkansas	W	W	W	2.08	3.03	W	W
Louisiana	W	W	W	2.22	3.20	W	W
Oklahoma	W	W	W	2.01	3.01	W	W
Texas	1.87	2.97	-37.0%	1.77	2.92	1.91	2.98
Mountain	2.53	W	W	2.51	3.82	2.64	W
Arizona	W	W	W	2.22	3.15	W	W
Colorado	W	W	W	2.80	3.52	W	W
Idaho	2.20	5.89	-63.0%	2.20	5.89	--	--
Montana	1.72	2.29	-25.0%	1.72	2.29	--	--
Nevada	3.11	4.64	-33.0%	3.11	4.64	--	--
New Mexico	1.17	2.45	-52.0%	1.17	2.45	--	--
Utah	2.93	4.81	-39.0%	2.93	4.81	--	--
Wyoming	W	W	W	1.93	3.27	W	W
Pacific Contiguous	W	5.37	W	3.17	5.72	W	5.07
California	3.19	5.79	-45.0%	3.44	6.55	2.97	5.21
Oregon	W	W	W	2.22	3.38	W	W
Washington	W	W	W	3.36	5.37	W	W
Pacific Noncontiguous	7.87	7.72	1.9%	7.87	7.72	--	--
Alaska	7.87	7.72	1.9%	7.87	7.72	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.54	3.85	-34.0%	2.77	4.00	2.23	3.66

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 2020

	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	7	0.60	5.4	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	7	0.60	5.4	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	805	2.73	10.1	0	--	--	0	--	--
New Jersey	31	1.71	7.6	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	774	2.77	10.2	0	--	--	0	--	--
East North Central	4,422	3.16	10.4	3,416	0.22	4.7	0	--	--
Illinois	766	3.29	21.3	1,411	0.21	4.6	0	--	--
Indiana	1,780	2.87	9.0	284	0.22	4.5	0	--	--
Michigan	184	1.70	6.8	745	0.21	4.8	0	--	--
Ohio	1,645	3.56	8.5	0	--	--	0	--	--
Wisconsin	46	2.79	7.6	977	0.23	4.8	0	--	--
West North Central	62	2.78	9.5	7,024	0.26	4.9	1,847	0.79	10.2
Iowa	15	2.70	9.5	1,440	0.25	4.8	0	--	--
Kansas	12	2.66	11.8	923	0.31	5.1	0	--	--
Minnesota	0	--	--	578	0.34	6.0	0	--	--
Missouri	35	2.86	8.8	2,771	0.23	4.8	0	--	--
Nebraska	0	--	--	1,174	0.24	4.8	0	--	--
North Dakota	0	--	--	0	--	--	1,847	0.79	10.2
South Dakota	0	--	--	137	0.33	5.3	0	--	--
South Atlantic	3,477	2.41	9.6	286	0.34	5.1	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	588	2.47	7.9	0	--	--	0	--	--
Georgia	238	2.38	8.2	286	0.34	5.1	0	--	--
Maryland	71	2.08	15.7	0	--	--	0	--	--
North Carolina	531	1.08	10.7	0	--	--	0	--	--
South Carolina	490	1.90	8.7	0	--	--	0	--	--
Virginia	103	1.03	24.4	0	--	--	0	--	--
West Virginia	1,457	3.11	9.3	0	--	--	0	--	--
East South Central	1,906	2.70	9.1	1,123	0.24	5.1	242	0.50	13.0
Alabama	119	0.81	9.0	770	0.26	5.2	0	--	--
Kentucky	1,496	2.94	9.3	307	0.21	5.1	0	--	--
Mississippi	0	--	--	32	0.21	5.1	242	0.50	13.0
Tennessee	291	2.23	8.3	15	0.29	4.6	0	--	--
West South Central	83	2.73	9.7	4,352	0.28	5.0	1,640	1.05	16.1
Arkansas	5	0.43	11.1	923	0.21	4.7	0	--	--
Louisiana	75	2.93	9.0	262	0.26	4.9	74	0.48	15.5
Oklahoma	3	0.47	50.3	155	0.20	4.6	0	--	--
Texas	0	--	--	3,013	0.30	5.2	1,565	1.07	16.1
Mountain	1,261	0.54	13.2	3,841	0.51	8.4	24	0.52	9.0
Arizona	0	--	--	557	0.62	9.8	0	--	--
Colorado	84	0.47	11.4	953	0.30	5.6	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	497	0.77	9.8	24	0.52	9.0
Nevada	0	--	--	45	0.23	4.6	0	--	--
New Mexico	207	0.79	22.5	394	0.83	19.3	0	--	--
Utah	969	0.50	11.6	38	0.83	8.4	0	--	--
Wyoming	0	--	--	1,356	0.43	6.4	0	--	--
Pacific Contiguous	32	0.49	8.6	483	0.39	7.0	0	--	--
California	32	0.49	8.6	0	--	--	0	--	--
Oregon	0	--	--	162	0.25	4.6	0	--	--
Washington	0	--	--	321	0.47	8.2	0	--	--
Pacific Noncontiguous	0	--	--	59	0.46	5.4	23	0.13	6.7
Alaska	0	--	--	0	--	--	23	0.13	6.7
Hawaii	0	--	--	59	0.46	5.4	0	--	--
U.S. Total	12,054	2.56	10.2	20,583	0.31	5.7	3,776	0.88	12.9

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 2019 and 2020 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 2020

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	0	--	--	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	0	--	--	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	0	--	--	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	0	--	--	0	--	--	0	--	--
East North Central	2,113	2.84	8.7	2,216	0.22	4.8	0	--	--
Illinois	76	2.99	9.6	210	0.21	4.6	0	--	--
Indiana	1,581	2.83	9.0	284	0.22	4.5	0	--	--
Michigan	184	1.70	6.8	745	0.21	4.8	0	--	--
Ohio	225	3.73	8.7	0	--	--	0	--	--
Wisconsin	46	2.79	7.6	977	0.23	4.8	0	--	--
West North Central	44	2.80	9.6	6,787	0.26	5.0	1,847	0.79	10.2
Iowa	0	--	--	1,282	0.25	4.8	0	--	--
Kansas	12	2.66	11.8	923	0.31	5.1	0	--	--
Minnesota	0	--	--	578	0.34	6.0	0	--	--
Missouri	32	2.85	8.8	2,771	0.23	4.8	0	--	--
Nebraska	0	--	--	1,095	0.24	4.8	0	--	--
North Dakota	0	--	--	0	--	--	1,847	0.79	10.2
South Dakota	0	--	--	137	0.33	5.3	0	--	--
South Atlantic	3,120	2.37	9.6	286	0.34	5.1	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	588	2.47	7.9	0	--	--	0	--	--
Georgia	227	2.45	8.2	286	0.34	5.1	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	497	1.10	11.0	0	--	--	0	--	--
South Carolina	490	1.90	8.7	0	--	--	0	--	--
Virginia	88	1.11	28.9	0	--	--	0	--	--
West Virginia	1,231	3.06	9.4	0	--	--	0	--	--
East South Central	1,865	2.75	9.2	1,123	0.24	5.1	0	--	--
Alabama	119	0.81	9.0	770	0.26	5.2	0	--	--
Kentucky	1,496	2.94	9.3	307	0.21	5.1	0	--	--
Mississippi	0	--	--	32	0.21	5.1	0	--	--
Tennessee	250	2.46	8.6	15	0.29	4.6	0	--	--
West South Central	78	2.89	9.6	2,335	0.26	4.9	488	1.45	19.2
Arkansas	0	--	--	741	0.21	4.6	0	--	--
Louisiana	75	2.93	9.0	114	0.23	5.1	74	0.48	15.5
Oklahoma	3	0.47	50.3	155	0.20	4.6	0	--	--
Texas	0	--	--	1,325	0.29	5.1	414	1.64	20.0
Mountain	1,261	0.54	13.2	3,260	0.48	8.3	24	0.52	9.0
Arizona	0	--	--	557	0.62	9.8	0	--	--
Colorado	84	0.47	11.4	953	0.30	5.6	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	24	0.52	9.0
Nevada	0	--	--	0	--	--	0	--	--
New Mexico	207	0.79	22.5	394	0.83	19.3	0	--	--
Utah	969	0.50	11.6	38	0.83	8.4	0	--	--
Wyoming	0	--	--	1,318	0.43	6.4	0	--	--
Pacific Contiguous	0	--	--	162	0.25	4.6	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	162	0.25	4.6	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	23	0.13	6.7
Alaska	0	--	--	0	--	--	23	0.13	6.7
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	8,481	2.33	9.8	16,169	0.30	5.6	2,382	0.91	11.9

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 2019 and 2020 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 2020

	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	7	0.60	5.4	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	7	0.60	5.4	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	795	2.73	10.1	0	--	--	0	--	--
New Jersey	31	1.71	7.6	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	764	2.78	10.2	0	--	--	0	--	--
East North Central	2,212	3.45	12.0	1,129	0.21	4.6	0	--	--
Illinois	592	3.30	25.9	1,129	0.21	4.6	0	--	--
Indiana	199	3.13	8.9	0	--	--	0	--	--
Michigan	0	--	--	0	--	--	0	--	--
Ohio	1,420	3.54	8.5	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	310	2.98	10.5	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	71	2.08	15.7	0	--	--	0	--	--
North Carolina	13	0.73	6.3	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	0	--	--	0	--	--	0	--	--
West Virginia	226	3.38	9.3	0	--	--	0	--	--
East South Central	0	--	--	0	--	--	242	0.50	13.0
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	242	0.50	13.0
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	0	--	--	2,017	0.30	5.2	1,151	0.89	14.9
Arkansas	0	--	--	181	0.20	4.8	0	--	--
Louisiana	0	--	--	148	0.29	4.8	0	--	--
Oklahoma	0	--	--	0	--	--	0	--	--
Texas	0	--	--	1,688	0.31	5.3	1,151	0.89	14.9
Mountain	0	--	--	581	0.70	9.1	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	497	0.77	9.8	0	--	--
Nevada	0	--	--	45	0.23	4.6	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	39	0.35	5.3	0	--	--
Pacific Contiguous	0	--	--	321	0.47	8.2	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	321	0.47	8.2	0	--	--
Pacific Noncontiguous	0	--	--	59	0.46	5.4	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	59	0.46	5.4	0	--	--
U.S. Total	3,323	3.21	11.4	4,107	0.35	5.8	1,394	0.84	14.6

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 2019 and 2020 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 2020

	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	3	2.96	8.1	0	--	--	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	3	2.96	8.1	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	3	2.96	8.1	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 2019 and 2020 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 2020

	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	10	2.57	8.3	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	10	2.57	8.3	0	--	--	0	--	--
East North Central	98	3.50	8.8	71	0.22	5.6	0	--	--
Illinois	98	3.50	8.8	71	0.22	5.6	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	0	--	--	0	--	--	0	--	--
Ohio	0	--	--	0	--	--	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	15	2.70	9.5	237	0.21	4.4	0	--	--
Iowa	15	2.70	9.5	157	0.21	4.5	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	0	--	--	0	--	--	0	--	--
Nebraska	0	--	--	79	0.21	4.4	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	47	0.85	7.7	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	11	1.10	9.6	0	--	--	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	20	0.81	7.2	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	15	0.74	7.1	0	--	--	0	--	--
West Virginia	0	--	--	0	--	--	0	--	--
East South Central	41	0.92	6.7	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	41	0.92	6.7	0	--	--	0	--	--
West South Central	5	0.43	11.1	0	--	--	0	--	--
Arkansas	5	0.43	11.1	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	32	0.49	8.6	0	--	--	0	--	--
California	32	0.49	8.6	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	248	1.95	8.2	307	0.21	4.7	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 2019 and 2020 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."

Chapter 5

Sales to Ultimate Consumers, Revenue and Average Price of Electricity to Ultimate Consumers

Table 5.1. Sales of Electricity to Ultimate Customers: Total by End-Use Sector, 2010 - February 2020 (Thousand Megawatthours)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	1,378,648	1,352,888	984,298	7,523	3,723,356
2018	1,469,093	1,381,755	1,000,673	7,665	3,859,185
2019	1,435,147	1,354,545	952,149	7,697	3,749,538
Year 2018					
January	148,917	114,925	79,890	745	344,478
February	113,751	102,685	75,661	634	292,732
March	107,218	108,108	81,053	620	296,999
April	95,454	103,331	79,083	599	278,468
May	103,848	113,175	85,638	587	303,248
June	129,913	122,011	85,536	623	338,083
July	153,566	131,522	89,301	634	375,023
August	153,496	134,848	92,106	680	381,131
Sept	128,910	122,033	85,679	640	337,263
October	107,049	116,133	85,301	631	309,114
November	103,790	104,983	81,118	616	290,507
December	123,180	107,998	80,306	655	312,140
Year 2019					
January	133,011	111,433	78,390	673	323,507
February	116,249	101,547	72,568	702	291,066
March	112,140	106,889	77,198	689	296,916
April	89,864	101,960	76,413	614	268,851
May	99,810	110,889	80,657	611	291,967
June	119,519	115,338	80,618	612	316,087
July	153,141	130,429	86,057	646	370,272
August	149,549	130,101	86,345	657	366,651
Sept	131,123	121,318	81,767	681	334,890
October	107,636	114,372	79,939	546	302,493
November	102,167	102,810	75,869	618	281,464
December	120,938	107,459	76,327	650	305,373
Year 2020					
January	123,731	107,715	77,384	714	309,544
February	111,963	102,038	75,626	621	290,248
Year to Date					
2018	262,669	217,611	155,551	1,380	637,210
2019	249,260	212,980	150,958	1,375	614,573
2020	235,693	209,752	153,010	1,336	599,792
Rolling 12 Months Ending in February					
2019	1,455,685	1,377,124	996,079	7,660	3,836,548
2020	1,421,580	1,351,318	954,201	7,658	3,734,756

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 2018 and prior years are final. Values for 2020 and 2019 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, 2010 - February 2020 (Million Dollars)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	177,661	144,242	67,691	728	390,322
2018	189,033	147,425	69,218	744	406,420
2019	187,102	144,452	65,033	749	397,337
Year 2018					
January	18,193	12,053	5,543	70	35,859
February	14,364	10,936	5,128	62	30,490
March	13,905	11,365	5,373	58	30,701
April	12,290	10,806	5,194	57	28,347
May	13,625	11,890	5,819	55	31,388
June	16,922	13,223	6,136	64	36,344
July	20,156	14,466	6,540	64	41,226
August	20,351	14,874	6,673	65	41,963
Sept	16,775	13,085	6,038	64	35,962
October	13,751	12,506	5,864	62	32,182
November	13,389	11,069	5,557	60	30,074
December	15,311	11,155	5,353	64	31,883
Year 2019					
January	16,603	11,479	5,155	66	33,303
February	14,803	10,701	4,852	72	30,428
March	14,420	11,174	5,191	64	30,849
April	11,939	10,712	4,984	58	27,693
May	13,316	11,658	5,401	58	30,434
June	15,967	12,553	5,569	62	34,151
July	20,346	14,355	6,186	64	40,950
August	19,931	14,327	6,433	64	40,755
Sept	17,288	13,313	5,808	67	36,476
October	13,818	12,285	5,485	53	31,642
November	13,324	10,813	5,106	59	29,302
December	15,348	11,084	4,863	62	31,356
Year 2020					
January	15,824	11,069	4,902	67	31,862
February	14,384	10,572	4,855	58	29,869
Year to Date					
2018	32,558	22,989	10,671	132	66,349
2019	31,406	22,179	10,007	139	63,731
2020	30,208	21,641	9,757	125	61,731
Rolling 12 Months Ending in February					
2019	187,882	146,616	68,555	750	403,802
2020	185,904	143,914	64,783	736	395,336

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 2018 and prior years are final. Values for 2020 and 2019 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, 2010 - February 2020 (Cents per Kilowatthour)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	12.89	10.66	6.88	9.68	10.48
2018	12.87	10.67	6.92	9.70	10.53
2019	13.04	10.66	6.83	9.73	10.60
Year 2018					
January	12.22	10.49	6.94	9.39	10.41
February	12.63	10.65	6.78	9.78	10.42
March	12.97	10.51	6.63	9.40	10.34
April	12.88	10.46	6.57	9.47	10.18
May	13.12	10.51	6.79	9.39	10.35
June	13.03	10.84	7.17	10.23	10.75
July	13.13	11.00	7.32	10.05	10.99
August	13.26	11.03	7.25	9.50	11.01
Sept	13.01	10.72	7.05	10.05	10.66
October	12.85	10.77	6.87	9.79	10.41
November	12.90	10.54	6.85	9.70	10.35
December	12.43	10.33	6.67	9.71	10.21
Year 2019					
January	12.48	10.30	6.58	9.86	10.29
February	12.73	10.54	6.69	10.29	10.45
March	12.86	10.45	6.72	9.28	10.39
April	13.29	10.51	6.52	9.48	10.30
May	13.34	10.51	6.70	9.49	10.42
June	13.36	10.88	6.91	10.06	10.80
July	13.29	11.01	7.19	9.88	11.06
August	13.33	11.01	7.45	9.72	11.12
Sept	13.18	10.97	7.10	9.84	10.89
October	12.84	10.74	6.86	9.75	10.46
November	13.04	10.52	6.73	9.56	10.41
December	12.69	10.31	6.37	9.52	10.27
Year 2020					
January	12.79	10.28	6.33	9.35	10.29
February	12.85	10.36	6.42	9.42	10.29
Year to Date					
2018	12.39	10.56	6.86	9.57	10.41
2019	12.60	10.41	6.63	10.08	10.37
2020	12.82	10.32	6.38	9.38	10.29
Rolling 12 Months Ending in February					
2019	12.91	10.65	6.88	9.79	10.53
2020	13.08	10.65	6.79	9.61	10.59

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 2018 and prior years are final. Values for 2020 and 2019 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 2020 and 2019 (Thousand Megawatthours)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
New England	3,793	3,960	4,078	4,032	1,210	1,112	45	47	9,127	9,152
Connecticut	990	1,052	932	927	220	231	14	14	2,155	2,223
Maine	434	466	338	351	203	139	0	0	975	955
Massachusetts	1,578	1,610	2,042	1,984	466	445	29	30	4,116	4,070
New Hampshire	379	398	343	337	158	150	0	0	879	885
Rhode Island	225	238	267	276	54	45	2	2	549	562
Vermont	187	196	156	157	110	103	0	0	453	457
Middle Atlantic	10,628	11,581	11,931	12,620	5,912	5,736	299	371	28,770	30,309
New Jersey	1,968	2,089	2,882	2,912	506	529	22	26	5,378	5,556
New York	3,927	4,193	5,875	6,225	1,362	1,368	238	282	11,403	12,067
Pennsylvania	4,733	5,299	3,174	3,484	4,044	3,840	38	63	11,989	12,686
East North Central	15,674	15,937	14,386	14,024	14,579	14,203	55	62	44,693	44,225
Illinois	3,655	3,664	3,943	3,966	3,417	3,318	49	55	11,064	11,003
Indiana	2,845	2,957	1,854	1,832	3,482	3,210	2	2	8,183	8,001
Michigan	2,739	2,786	2,972	2,869	2,240	2,230	1	1	7,951	7,886
Ohio	4,624	4,584	3,737	3,509	3,569	3,613	3	4	11,933	11,711
Wisconsin	1,811	1,946	1,880	1,848	1,871	1,831	0	0	5,562	5,625
West North Central	9,126	9,937	8,182	8,277	7,155	6,703	4	5	24,467	24,922
Iowa	1,252	1,385	1,003	1,014	2,003	1,782	0	0	4,258	4,180
Kansas	1,017	1,113	1,175	1,227	835	865	0	0	3,027	3,206
Minnesota	1,910	2,030	1,801	1,762	1,621	1,555	2	3	5,334	5,350
Missouri	3,061	3,264	2,417	2,445	879	849	2	2	6,359	6,561
Nebraska	905	1,003	779	802	776	728	0	0	2,461	2,534
North Dakota	514	605	598	599	816	710	0	0	1,927	1,914
South Dakota	467	537	409	428	225	213	0	0	1,101	1,178
South Atlantic	27,723	28,132	23,399	22,402	10,704	10,254	117	114	61,943	60,901
Delaware	405	463	330	320	141	137	0	0	876	921
District of Columbia	181	216	590	568	16	16	29	26	815	827
Florida	8,248	8,453	6,749	6,663	1,307	1,204	6	7	16,310	16,327
Georgia	4,520	4,292	3,457	3,320	2,374	2,347	14	14	10,364	9,973
Maryland	2,283	2,473	2,162	2,185	268	281	50	47	4,763	4,986
North Carolina	4,835	4,766	3,664	3,474	2,054	1,918	2	2	10,554	10,159
South Carolina	2,471	2,309	1,599	1,452	2,040	2,024	0	0	6,110	5,785
Virginia	3,726	4,063	4,278	3,846	1,347	1,222	17	18	9,368	9,148
West Virginia	1,055	1,097	571	573	1,156	1,104	0	0	2,782	2,774
East South Central	9,987	9,961	6,896	6,784	7,647	7,496	0	0	24,530	24,241
Alabama	2,506	2,336	1,625	1,587	2,609	2,540	0	0	6,740	6,463
Kentucky	2,319	2,260	1,504	1,448	2,209	2,178	0	0	6,032	5,885
Mississippi	1,446	1,473	968	982	1,334	1,290	0	0	3,748	3,746
Tennessee	3,717	3,892	2,798	2,767	1,494	1,488	0	0	8,010	8,147
West South Central	16,353	16,651	13,988	13,901	15,321	14,581	15	15	45,678	45,150
Arkansas	1,570	1,646	862	883	1,378	1,366	0	0	3,810	3,895
Louisiana	2,239	2,325	1,748	1,770	2,931	2,877	1	1	6,919	6,972
Oklahoma	1,835	1,889	1,367	1,446	1,609	1,461	0	0	4,811	4,795
Texas	10,709	10,791	10,011	9,802	9,403	8,878	14	14	30,138	29,487
Mountain	7,345	7,558	7,327	7,256	6,445	6,060	15	19	21,132	20,892
Arizona	2,124	2,219	2,016	2,036	1,065	1,019	1	1	5,206	5,275
Colorado	1,536	1,501	1,598	1,552	1,262	1,176	9	14	4,405	4,243
Idaho	828	850	529	527	524	470	0	0	1,880	1,847
Montana	497	561	417	442	372	394	0	0	1,286	1,397
Nevada	788	867	894	806	925	874	1	1	2,607	2,548
New Mexico	537	526	685	674	729	628	0	0	1,951	1,829
Utah	748	748	879	917	714	672	4	4	2,346	2,341
Wyoming	287	285	310	301	854	826	0	0	1,451	1,411
Pacific Contiguous	10,945	12,169	11,395	11,816	6,287	6,084	71	69	28,699	30,139
California	5,541	6,263	7,594	7,925	3,466	3,364	61	61	16,662	17,614
Oregon	1,810	2,007	1,388	1,398	944	884	2	2	4,144	4,291
Washington	3,594	3,899	2,413	2,493	1,877	1,837	8	5	7,893	8,234
Pacific Noncontiguous	388	362	455	435	367	339	0	0	1,211	1,135
Alaska	197	186	240	231	105	96	0	0	542	513
Hawaii	192	175	215	203	262	243	0	0	669	622
U.S. Total	111,963	116,249	102,038	101,547	75,626	72,568	621	702	290,248	291,066

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 2020 and 2019 (Thousand Megawatthours)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
New England	8,086	8,496	8,210	8,590	2,479	2,480	95	93	18,871	19,659
Connecticut	2,166	2,312	1,942	1,983	469	479	30	24	4,607	4,799
Maine	884	947	683	755	410	437	0	0	1,977	2,140
Massachusetts	3,342	3,440	4,156	4,219	957	925	60	64	8,515	8,648
New Hampshire	825	862	643	714	302	306	0	0	1,770	1,882
Rhode Island	484	518	464	588	108	102	5	5	1,061	1,213
Vermont	386	418	321	331	234	230	0	0	940	978
Middle Atlantic	22,503	24,227	24,442	25,966	12,077	11,772	625	723	59,647	62,688
New Jersey	4,247	4,557	5,961	6,140	1,039	1,103	48	53	11,294	11,853
New York	8,279	8,686	12,077	12,485	2,665	2,810	489	537	23,509	24,518
Pennsylvania	9,978	10,984	6,404	7,342	8,373	7,859	88	133	24,843	26,317
East North Central	32,432	34,315	29,386	29,550	29,250	29,531	153	116	91,221	93,513
Illinois	7,577	8,009	8,086	8,244	6,834	6,919	141	102	22,638	23,276
Indiana	5,840	6,297	3,748	3,858	6,704	6,575	4	4	16,296	16,734
Michigan	5,683	5,992	6,192	6,127	4,562	4,656	1	1	16,438	16,776
Ohio	9,398	9,859	7,513	7,458	7,393	7,587	7	8	24,311	24,913
Wisconsin	3,934	4,157	3,846	3,863	3,757	3,794	0	0	11,538	11,815
West North Central	19,450	20,702	16,815	17,104	14,457	13,993	9	10	50,732	51,810
Iowa	2,731	2,886	2,098	2,107	3,900	3,718	0	0	8,729	8,711
Kansas	2,147	2,328	2,367	2,474	1,732	1,748	0	0	6,246	6,551
Minnesota	4,094	4,279	3,752	3,730	3,312	3,291	5	5	11,163	11,306
Missouri	6,419	6,869	4,910	5,058	1,772	1,766	5	5	13,105	13,697
Nebraska	1,947	2,063	1,582	1,617	1,639	1,546	0	0	5,168	5,227
North Dakota	1,115	1,221	1,252	1,250	1,649	1,489	0	0	4,016	3,960
South Dakota	997	1,056	855	866	452	434	0	0	2,305	2,357
South Atlantic	57,799	61,054	47,536	47,734	21,852	21,679	244	228	127,430	130,697
Delaware	831	943	677	687	313	303	0	0	1,821	1,933
District of Columbia	408	446	1,220	1,252	32	29	60	52	1,720	1,779
Florida	17,011	17,463	13,829	13,714	2,613	2,467	13	14	33,467	33,658
Georgia	9,430	9,601	7,149	7,100	4,953	4,977	27	29	21,559	21,708
Maryland	4,844	5,446	4,507	4,655	539	577	101	95	9,991	10,773
North Carolina	10,171	10,570	7,589	7,468	4,146	4,045	3	3	21,909	22,086
South Carolina	5,142	5,155	3,316	3,182	4,099	4,305	0	0	12,558	12,642
Virginia	7,766	9,012	8,019	8,396	2,753	2,630	39	35	18,577	20,073
West Virginia	2,196	2,419	1,229	1,280	2,402	2,345	0	0	5,828	6,044
East South Central	20,348	21,363	13,999	14,099	15,536	15,527	0	0	49,883	50,989
Alabama	5,213	5,355	3,343	3,380	5,365	5,322	0	0	13,921	14,058
Kentucky	4,757	5,009	3,073	3,052	4,439	4,489	0	0	12,270	12,551
Mississippi	2,993	3,163	1,971	2,022	2,706	2,658	0	0	7,670	7,843
Tennessee	7,384	7,836	5,612	5,644	3,026	3,057	0	0	16,022	16,537
West South Central	33,669	35,743	28,976	29,007	30,583	29,860	31	31	93,259	94,642
Arkansas	3,246	3,392	1,757	1,818	2,762	2,738	0	0	7,765	7,948
Louisiana	4,700	4,943	3,586	3,679	5,862	5,821	2	2	14,149	14,445
Oklahoma	3,820	4,109	2,815	3,077	3,305	3,053	0	0	9,940	10,239
Texas	21,903	23,300	20,819	20,432	18,654	18,249	29	29	61,406	62,011
Mountain	15,662	15,997	15,071	15,035	13,308	12,650	30	34	44,071	43,716
Arizona	4,586	4,694	4,180	4,201	2,181	2,146	2	1	10,948	11,043
Colorado	3,229	3,206	3,282	3,272	2,624	2,462	19	23	9,154	8,963
Idaho	1,738	1,780	1,089	1,093	1,069	998	0	0	3,896	3,871
Montana	1,070	1,128	855	882	719	780	0	0	2,643	2,790
Nevada	1,681	1,783	1,855	1,684	1,950	1,826	1	1	5,487	5,294
New Mexico	1,188	1,193	1,384	1,379	1,514	1,324	0	0	4,085	3,896
Utah	1,578	1,598	1,796	1,885	1,542	1,407	9	8	4,925	4,899
Wyoming	592	614	630	639	1,710	1,707	0	0	2,932	2,961
Pacific Contiguous	24,884	26,555	24,382	24,975	12,694	12,743	147	139	62,108	64,411
California	13,439	14,490	16,574	17,061	6,942	6,843	124	121	37,078	38,515
Oregon	3,814	4,087	2,798	2,785	1,908	1,895	5	5	8,525	8,772
Washington	7,632	7,978	5,010	5,129	3,844	4,005	18	13	16,505	17,124
Pacific Noncontiguous	860	807	936	920	775	722	0	0	2,570	2,449
Alaska	428	402	489	482	219	194	0	0	1,136	1,077
Hawaii	431	405	447	438	556	528	0	0	1,434	1,372
U.S. Total	235,693	249,260	209,752	212,980	153,010	150,958	1,336	1,375	599,792	614,573

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.A. Revenue from Sales of Electricity to Ultimate Customers by End-Use Sector, by State, February 2020 and 2019 (Million Dollars)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
New England	833	866	669	682	156	155	5	6	1,663	1,709
Connecticut	235	239	161	165	30	33	2	3	428	440
Maine	73	82	43	48	18	15	0	0	134	145
Massachusetts	364	374	341	334	66	67	3	3	773	778
New Hampshire	75	80	54	56	21	21	0	0	150	158
Rhode Island	51	58	44	52	8	8	0	0	104	119
Vermont	36	33	25	25	12	11	0	0	74	69
Middle Atlantic	1,642	1,797	1,388	1,484	378	385	32	43	3,439	3,710
New Jersey	310	339	342	353	50	54	2	2	704	749
New York	684	739	776	817	72	77	27	36	1,560	1,670
Pennsylvania	648	719	269	313	256	254	3	5	1,176	1,291
East North Central	2,042	2,051	1,422	1,441	956	1,002	3	4	4,423	4,498
Illinois	467	456	340	360	215	224	3	4	1,026	1,043
Indiana	337	355	201	200	237	241	0	0	775	796
Michigan	436	420	341	327	161	163	0	0	938	909
Ohio	535	545	336	352	204	231	0	0	1,075	1,128
Wisconsin	266	275	204	203	139	143	0	0	609	621
West North Central	994	1,060	744	747	495	485	0	0	2,233	2,292
Iowa	149	161	97	98	119	117	0	0	365	376
Kansas	124	140	118	126	60	65	0	0	302	331
Minnesota	244	254	181	173	122	120	0	0	547	548
Missouri	287	297	192	191	52	52	0	0	531	540
Nebraska	91	96	67	68	55	53	0	0	213	216
North Dakota	48	55	51	52	69	61	0	0	167	168
South Dakota	52	56	39	39	18	16	0	0	108	112
South Atlantic	3,276	3,304	2,176	2,145	649	635	9	9	6,110	6,093
Delaware	51	56	32	32	10	10	0	0	93	98
District of Columbia	23	28	71	74	1	1	3	3	98	106
Florida	970	1,002	644	646	96	93	1	1	1,711	1,741
Georgia	501	463	336	313	124	124	1	1	963	900
Maryland	305	331	219	232	21	22	4	4	548	589
North Carolina	555	555	316	318	121	118	0	0	992	990
South Carolina	303	293	163	156	115	117	0	0	581	566
Virginia	452	466	341	321	89	83	1	1	883	872
West Virginia	116	109	54	54	70	67	0	0	240	231
East South Central	1,107	1,111	737	734	419	427	0	0	2,263	2,272
Alabama	311	297	187	182	143	140	0	0	640	620
Kentucky	242	233	153	146	115	120	0	0	510	500
Mississippi	161	164	103	105	78	77	0	0	342	345
Tennessee	394	416	294	301	83	90	0	0	771	807
West South Central	1,807	1,822	1,116	1,133	782	756	1	1	3,706	3,711
Arkansas	155	153	73	76	76	78	0	0	304	308
Louisiana	199	213	152	158	128	143	0	0	479	514
Oklahoma	171	179	100	108	71	73	0	0	341	361
Texas	1,282	1,276	791	790	508	461	1	1	2,582	2,528
Mountain	838	868	661	679	373	384	1	2	1,873	1,932
Arizona	252	271	191	203	57	64	0	0	500	538
Colorado	183	181	154	156	88	86	1	1	425	424
Idaho	78	81	39	40	28	27	0	0	145	148
Montana	56	60	44	44	17	27	0	0	117	131
Nevada	95	102	67	68	46	45	0	0	208	216
New Mexico	67	66	67	67	41	36	0	0	175	169
Utah	76	76	70	72	40	41	0	0	186	190
Wyoming	30	30	29	29	57	58	0	0	116	116
Pacific Contiguous	1,738	1,825	1,546	1,548	560	543	6	7	3,850	3,924
California	1,203	1,242	1,208	1,203	415	390	5	6	2,831	2,841
Oregon	196	217	124	126	56	57	0	0	376	400
Washington	339	367	214	219	89	96	1	1	642	682
Pacific Noncontiguous	107	99	113	107	88	81	0	0	309	287
Alaska	43	41	47	45	18	17	0	0	108	103
Hawaii	64	59	67	62	71	64	0	0	201	185
U.S. Total	14,384	14,803	10,572	10,701	4,855	4,852	58	72	29,869	30,428

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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.B. Revenue from Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through February 2020 and 2019 (Million Dollars)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
New England	1,762	1,825	1,340	1,444	319	337	11	12	3,432	3,618
Connecticut	492	510	329	348	64	69	5	5	890	933
Maine	149	165	86	101	38	44	0	0	273	310
Massachusetts	768	786	690	714	135	138	5	6	1,598	1,644
New Hampshire	165	173	102	119	40	43	0	0	306	335
Rhode Island	114	121	82	110	17	18	1	1	213	249
Vermont	75	70	52	52	26	25	0	0	152	147
Middle Atlantic	3,472	3,674	2,838	3,006	771	795	67	81	7,148	7,556
New Jersey	661	727	702	734	101	112	4	5	1,468	1,578
New York	1,448	1,515	1,590	1,631	143	160	57	67	3,237	3,372
Pennsylvania	1,363	1,432	547	641	526	523	6	10	2,442	2,605
East North Central	4,211	4,400	2,906	2,988	1,911	2,075	10	8	9,039	9,471
Illinois	958	986	706	733	435	466	9	7	2,109	2,192
Indiana	694	751	404	412	449	485	0	0	1,547	1,648
Michigan	899	901	704	688	326	341	0	0	1,930	1,930
Ohio	1,089	1,176	679	737	422	493	0	1	2,190	2,406
Wisconsin	570	585	413	418	279	291	0	0	1,263	1,293
West North Central	2,104	2,191	1,513	1,518	990	985	1	1	4,607	4,695
Iowa	322	333	201	199	233	233	0	0	756	764
Kansas	258	265	234	229	121	129	0	0	613	623
Minnesota	517	542	369	370	246	249	0	1	1,132	1,161
Missouri	606	632	390	399	106	107	0	0	1,102	1,138
Nebraska	191	197	135	137	115	110	0	0	441	445
North Dakota	102	111	105	107	134	125	0	0	341	343
South Dakota	109	111	79	78	35	33	0	0	222	222
South Atlantic	6,773	7,098	4,395	4,509	1,311	1,339	18	18	12,498	12,964
Delaware	103	115	64	68	22	24	0	0	188	207
District of Columbia	51	58	145	157	3	2	6	5	204	223
Florida	1,998	2,082	1,300	1,326	193	192	1	1	3,492	3,601
Georgia	1,036	1,031	686	672	253	265	1	1	1,977	1,969
Maryland	648	720	454	492	42	46	7	7	1,152	1,265
North Carolina	1,142	1,193	649	657	244	245	0	0	2,035	2,095
South Carolina	631	632	334	324	231	248	0	0	1,196	1,203
Virginia	924	1,031	652	699	179	177	3	3	1,758	1,909
West Virginia	240	238	112	113	144	139	0	0	495	490
East South Central	2,275	2,359	1,503	1,509	852	886	0	0	4,630	4,755
Alabama	646	655	386	384	297	295	0	0	1,329	1,334
Kentucky	501	514	310	301	228	244	0	0	1,039	1,060
Mississippi	336	349	212	216	158	162	0	0	707	727
Tennessee	791	842	596	608	168	185	0	0	1,555	1,634
West South Central	3,690	3,869	2,284	2,339	1,535	1,549	2	2	7,510	7,759
Arkansas	320	316	145	156	142	159	0	0	607	631
Louisiana	421	444	314	323	267	286	0	0	1,003	1,053
Oklahoma	351	375	203	224	143	151	0	0	696	750
Texas	2,597	2,734	1,622	1,636	983	953	2	2	5,204	5,325
Mountain	1,779	1,835	1,347	1,380	762	770	3	3	3,891	3,988
Arizona	540	573	392	417	117	131	0	0	1,049	1,121
Colorado	381	383	312	319	181	176	2	2	875	881
Idaho	168	172	80	82	56	56	0	0	304	311
Montana	120	122	88	88	35	47	0	0	243	257
Nevada	202	211	141	133	95	92	0	0	439	436
New Mexico	146	148	134	134	80	72	0	0	359	353
Utah	160	161	142	147	85	81	1	1	387	390
Wyoming	62	65	58	60	112	114	0	0	233	239
Pacific Contiguous	3,907	3,935	3,282	3,259	1,122	1,098	13	13	8,324	8,304
California	2,777	2,751	2,592	2,564	827	783	11	11	6,207	6,108
Oregon	411	438	247	247	114	118	0	0	772	803
Washington	720	747	443	448	181	197	2	1	1,346	1,393
Pacific Noncontiguous	235	220	232	227	185	174	0	0	653	621
Alaska	95	87	96	94	38	33	0	0	229	215
Hawaii	140	133	136	134	147	140	0	0	423	406
U.S. Total	30,208	31,406	21,641	22,179	9,757	10,007	125	139	61,731	63,731

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 5.6.A. Average Price of Electricity to Ultimate Customers by End-Use Sector, by State, February 2020 and 2019 (Cents per Kilowatthour)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
New England	21.97	21.88	16.39	16.90	12.87	13.96	11.55	12.36	18.22	18.68
Connecticut	23.70	22.77	17.25	17.80	13.86	14.31	16.27	18.76	19.86	19.79
Maine	16.87	17.60	12.60	13.72	9.11	10.91	--	--	13.78	15.21
Massachusetts	23.05	23.24	16.71	16.86	14.06	15.05	8.84	8.85	18.79	19.13
New Hampshire	19.71	20.20	15.87	16.73	13.11	13.86	--	--	17.03	17.81
Rhode Island	22.64	24.17	16.63	18.96	15.57	18.15	17.37	19.11	19.00	21.11
Vermont	19.39	16.67	16.08	16.07	11.15	10.97	--	--	16.24	15.17
Middle Atlantic	15.45	15.52	11.63	11.76	6.39	6.71	10.63	11.66	11.96	12.24
New Jersey	15.73	16.24	11.88	12.14	9.82	10.22	8.33	8.68	13.08	13.48
New York	17.42	17.63	13.21	13.13	5.32	5.66	11.39	12.83	13.68	13.84
Pennsylvania	13.70	13.57	8.48	9.00	6.32	6.61	7.25	7.68	9.81	10.18
East North Central	13.03	12.87	9.88	10.28	6.56	7.05	6.32	6.77	9.90	10.17
Illinois	12.79	12.45	8.63	9.08	6.31	6.74	6.12	6.55	9.27	9.48
Indiana	11.84	12.00	10.83	10.90	6.80	7.50	10.34	11.78	9.47	9.94
Michigan	15.92	15.08	11.47	11.39	7.20	7.29	10.46	10.03	11.80	11.53
Ohio	11.58	11.88	8.99	10.04	5.71	6.40	6.15	6.86	9.01	9.64
Wisconsin	14.71	14.15	10.85	10.96	7.41	7.83	14.34	12.85	10.95	11.04
West North Central	10.89	10.66	9.09	9.02	6.92	7.23	8.16	7.65	9.13	9.20
Iowa	11.90	11.63	9.68	9.64	5.93	6.59	--	--	8.57	9.00
Kansas	12.19	12.61	10.05	10.24	7.23	7.52	--	--	9.99	10.33
Minnesota	12.75	12.53	10.05	9.84	7.56	7.72	9.90	8.99	10.26	10.24
Missouri	9.37	9.10	7.93	7.82	5.94	6.11	6.39	6.12	8.35	8.24
Nebraska	10.01	9.54	8.60	8.46	7.08	7.26	--	--	8.64	8.54
North Dakota	9.28	9.03	8.45	8.66	8.42	8.61	--	--	8.66	8.76
South Dakota	11.12	10.47	9.42	9.14	7.79	7.70	--	--	9.81	9.49
South Atlantic	11.82	11.74	9.30	9.58	6.06	6.19	7.59	7.84	9.86	10.01
Delaware	12.59	12.08	9.59	10.02	7.25	7.54	--	--	10.60	10.69
District of Columbia	12.80	13.02	11.96	12.96	8.09	8.59	9.38	10.38	11.98	12.81
Florida	11.76	11.85	9.54	9.70	7.38	7.71	8.24	8.40	10.49	10.67
Georgia	11.09	10.79	9.73	9.43	5.24	5.27	4.33	4.22	9.29	9.03
Maryland	13.35	13.40	10.15	10.60	7.72	7.93	7.13	7.41	11.52	11.81
North Carolina	11.48	11.65	8.63	9.14	5.89	6.13	7.73	8.29	9.40	9.75
South Carolina	12.28	12.69	10.18	10.77	5.66	5.76	--	--	9.52	9.78
Virginia	12.12	11.47	7.98	8.35	6.59	6.80	8.28	7.90	9.43	9.53
West Virginia	11.00	9.98	9.48	9.36	6.08	6.10	--	--	8.64	8.31
East South Central	11.09	11.15	10.69	10.82	5.48	5.70	--	--	9.23	9.37
Alabama	12.40	12.72	11.50	11.48	5.47	5.53	--	--	9.50	9.59
Kentucky	10.44	10.32	10.19	10.10	5.20	5.53	--	--	8.46	8.49
Mississippi	11.13	11.14	10.62	10.66	5.87	5.93	--	--	9.12	9.22
Tennessee	10.59	10.69	10.52	10.88	5.55	6.03	--	--	9.63	9.90
West South Central	11.05	10.94	7.98	8.15	5.10	5.18	6.75	6.77	8.11	8.22
Arkansas	9.90	9.32	8.52	8.66	5.48	5.73	12.44	11.52	7.99	7.91
Louisiana	8.88	9.15	8.69	8.95	4.37	4.97	8.97	9.06	6.92	7.38
Oklahoma	9.32	9.50	7.29	7.49	4.39	5.03	--	--	7.09	7.53
Texas	11.97	11.83	7.90	8.06	5.40	5.19	6.60	6.60	8.57	8.57
Mountain	11.40	11.48	9.02	9.35	5.79	6.34	9.17	9.81	8.86	9.25
Arizona	11.88	12.21	9.46	9.98	5.37	6.28	8.31	9.01	9.61	10.20
Colorado	11.89	12.04	9.62	10.04	6.94	7.33	8.68	9.71	9.64	10.00
Idaho	9.45	9.52	7.37	7.55	5.30	5.76	--	--	7.71	8.00
Montana	11.30	10.72	10.47	10.04	4.70	6.84	--	--	9.12	9.41
Nevada	12.03	11.82	7.54	8.43	4.95	5.16	7.94	7.58	7.98	8.46
New Mexico	12.48	12.60	9.84	9.86	5.58	5.68	--	--	8.97	9.22
Utah	10.17	10.14	7.97	7.85	5.56	6.15	10.59	10.57	7.94	8.10
Wyoming	10.59	10.61	9.30	9.54	6.66	6.97	--	--	8.00	8.25
Pacific Contiguous	15.88	15.00	13.57	13.10	8.90	8.93	9.02	9.78	13.42	13.02
California	21.70	19.83	15.91	15.18	11.96	11.59	8.89	9.83	16.99	16.13
Oregon	10.86	10.79	8.90	9.03	5.95	6.49	9.41	8.98	9.08	9.33
Washington	9.42	9.40	8.88	8.79	4.73	5.23	9.93	9.60	8.14	8.29
Pacific Noncontiguous	27.65	27.51	24.86	24.67	24.02	23.83	--	--	25.50	25.32
Alaska	22.06	21.83	19.39	19.64	16.78	17.52	--	--	19.85	20.04
Hawaii	33.37	33.53	30.98	30.38	26.91	26.32	--	--	30.07	29.69
U.S. Total	12.85	12.73	10.36	10.54	6.42	6.69	9.42	10.29	10.29	10.45

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 5.6.B. Average Price of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through February 2020 and 2019 (Cents per Kilowatthour)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD	February 2020 YTD	February 2019 YTD
New England	21.79	21.49	16.32	16.81	12.85	13.58	11.53	13.01	18.18	18.41
Connecticut	22.74	22.08	16.94	17.55	13.66	14.42	15.67	22.58	19.32	19.45
Maine	16.83	17.43	12.64	13.37	9.15	10.08	--	--	13.79	14.49
Massachusetts	22.97	22.85	16.59	16.93	14.09	14.89	9.02	8.96	18.76	19.01
New Hampshire	19.99	20.07	15.80	16.65	13.12	14.00	--	--	17.30	17.79
Rhode Island	23.49	23.38	17.58	18.63	15.68	17.57	17.13	19.06	20.08	20.57
Vermont	19.33	16.70	16.08	15.80	10.95	10.84	--	--	16.14	15.02
Middle Atlantic	15.43	15.16	11.61	11.58	6.38	6.75	10.70	11.26	11.98	12.05
New Jersey	15.57	15.96	11.77	11.96	9.76	10.16	8.35	8.68	13.00	13.32
New York	17.49	17.44	13.17	13.07	5.36	5.68	11.63	12.42	13.77	13.76
Pennsylvania	13.66	13.03	8.53	8.73	6.29	6.66	6.79	7.64	9.83	9.90
East North Central	12.98	12.82	9.89	10.11	6.53	7.03	6.75	7.00	9.91	10.13
Illinois	12.65	12.31	8.73	8.90	6.37	6.73	6.65	6.81	9.31	9.42
Indiana	11.88	11.93	10.79	10.68	6.70	7.37	10.22	10.79	9.50	9.85
Michigan	15.82	15.04	11.37	11.23	7.16	7.33	10.58	10.23	11.74	11.51
Ohio	11.59	11.93	9.03	9.88	5.70	6.49	6.09	6.87	9.01	9.66
Wisconsin	14.49	14.07	10.75	10.81	7.43	7.66	14.14	12.91	10.94	10.95
West North Central	10.82	10.59	9.00	8.88	6.85	7.04	7.91	8.05	9.08	9.06
Iowa	11.80	11.53	9.57	9.44	5.99	6.25	--	--	8.67	8.77
Kansas	12.00	11.40	9.89	9.24	7.00	7.37	--	--	9.81	9.51
Minnesota	12.62	12.67	9.84	9.91	7.41	7.56	9.47	9.56	10.14	10.27
Missouri	9.45	9.19	7.93	7.90	5.98	6.05	6.29	6.35	8.41	8.31
Nebraska	9.79	9.57	8.56	8.47	7.00	7.11	--	--	8.53	8.50
North Dakota	9.14	9.10	8.35	8.54	8.14	8.39	--	--	8.48	8.66
South Dakota	10.89	10.52	9.22	8.98	7.65	7.58	--	--	9.63	9.41
South Atlantic	11.72	11.63	9.25	9.45	6.00	6.18	7.57	7.88	9.81	9.92
Delaware	12.38	12.16	9.42	9.96	6.94	7.81	--	--	10.34	10.70
District of Columbia	12.57	13.01	11.87	12.57	8.12	8.52	9.25	10.33	11.87	12.55
Florida	11.74	11.92	9.40	9.67	7.37	7.77	8.04	8.32	10.43	10.70
Georgia	10.99	10.74	9.60	9.47	5.12	5.32	4.38	4.50	9.17	9.07
Maryland	13.39	13.22	10.07	10.57	7.83	8.03	7.14	7.44	11.53	11.75
North Carolina	11.23	11.29	8.55	8.79	5.89	6.07	7.73	8.21	9.29	9.49
South Carolina	12.27	12.25	10.07	10.17	5.65	5.76	--	--	9.53	9.52
Virginia	11.90	11.44	8.13	8.32	6.52	6.74	8.11	8.05	9.46	9.51
West Virginia	10.92	9.84	9.10	8.82	5.99	5.94	--	--	8.50	8.11
East South Central	11.18	11.04	10.74	10.70	5.48	5.71	--	--	9.28	9.33
Alabama	12.39	12.23	11.54	11.35	5.54	5.54	--	--	9.55	9.49
Kentucky	10.53	10.26	10.08	9.86	5.14	5.45	--	--	8.47	8.44
Mississippi	11.24	11.04	10.76	10.67	5.85	6.10	--	--	9.21	9.27
Tennessee	10.72	10.74	10.61	10.78	5.56	6.04	--	--	9.71	9.88
West South Central	10.96	10.82	7.88	8.06	5.02	5.19	6.74	6.68	8.05	8.20
Arkansas	9.87	9.31	8.23	8.58	5.16	5.81	11.91	11.44	7.82	7.94
Louisiana	8.97	8.99	8.76	8.77	4.56	4.91	9.22	8.96	7.09	7.29
Oklahoma	9.18	9.12	7.20	7.28	4.32	4.93	--	--	7.00	7.32
Texas	11.86	11.73	7.79	8.01	5.27	5.22	6.58	6.50	8.47	8.59
Mountain	11.36	11.47	8.94	9.18	5.72	6.08	9.06	9.59	8.83	9.12
Arizona	11.77	12.21	9.39	9.93	5.36	6.08	8.30	8.97	9.58	10.15
Colorado	11.81	11.96	9.50	9.75	6.88	7.17	8.50	9.39	9.56	9.83
Idaho	9.69	9.68	7.31	7.53	5.25	5.63	--	--	7.81	8.03
Montana	11.22	10.77	10.31	10.02	4.91	5.98	--	--	9.21	9.20
Nevada	12.00	11.81	7.62	7.90	4.89	5.05	7.85	7.37	7.99	8.23
New Mexico	12.26	12.38	9.66	9.70	5.28	5.44	--	--	8.79	9.07
Utah	10.13	10.07	7.90	7.80	5.50	5.79	10.61	10.57	7.87	7.97
Wyoming	10.54	10.59	9.22	9.31	6.58	6.70	--	--	7.95	8.07
Pacific Contiguous	15.70	14.82	13.46	13.05	8.84	8.62	8.85	9.14	13.40	12.89
California	20.66	18.98	15.64	15.03	11.91	11.44	8.71	9.13	16.74	15.86
Oregon	10.77	10.71	8.83	8.88	5.95	6.23	9.24	9.03	9.06	9.16
Washington	9.43	9.36	8.84	8.73	4.71	4.92	9.72	9.35	8.15	8.13
Pacific Noncontiguous	27.38	27.27	24.83	24.73	23.87	24.04	--	--	25.40	25.36
Alaska	22.29	21.79	19.63	19.46	17.38	17.21	--	--	20.20	19.92
Hawaii	32.44	32.71	30.53	30.52	26.43	26.54	--	--	29.51	29.63
U.S. Total	12.82	12.60	10.32	10.41	6.38	6.63	9.38	10.08	10.29	10.37

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: 2010 - February 2020

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
2010	125,717,935	17,674,338	747,747	239	144,140,259
2011	126,143,072	17,638,062	727,920	92	144,509,146
2012	126,832,343	17,729,029	732,385	83	145,293,840
2013	127,777,153	17,679,562	831,790	75	146,288,580
2014	128,680,416	17,853,995	839,212	79	147,373,702
2015	129,811,718	17,985,690	835,536	78	148,633,022
2016	131,068,760	18,148,353	838,059	86	150,055,258
2017	132,579,747	18,359,427	840,329	86	151,779,589
2018	133,893,321	18,605,393	840,321	83	153,339,118
2019	135,281,297	18,628,622	915,863	82	154,825,863
Year 2018					
January	133,302,446	18,552,003	838,797	82	152,693,328
February	132,923,513	18,440,673	811,940	82	152,176,208
March	133,852,602	18,574,947	822,275	82	153,249,906
April	133,417,773	18,526,543	824,075	82	152,768,473
May	134,121,801	18,613,438	851,023	82	153,586,344
June	133,935,311	18,615,355	858,759	83	153,409,508
July	133,883,159	18,623,955	860,910	83	153,368,107
August	134,433,813	18,686,099	866,859	83	153,986,854
Sept	133,791,062	18,594,023	844,187	83	153,229,355
October	134,377,594	18,717,481	844,839	83	153,939,997
November	134,155,451	18,636,211	823,868	83	153,615,613
December	134,524,109	18,682,871	835,705	83	154,042,768
Year 2019					
January	134,972,174	18,580,112	897,450	82	154,449,818
February	133,461,982	18,478,289	879,263	82	152,819,616
March	135,217,902	18,574,930	884,470	82	154,677,384
April	134,971,489	18,578,316	893,513	83	154,443,401
May	135,484,211	18,649,646	914,451	80	155,048,388
June	135,133,768	18,574,956	920,845	82	154,629,651
July	135,511,673	18,673,405	947,372	82	155,132,532
August	135,592,324	18,660,912	942,782	81	155,196,099
Sept	135,276,670	18,628,637	934,919	81	154,840,307
October	136,222,066	18,757,776	936,342	81	155,916,265
November	135,280,702	18,639,325	909,876	82	154,829,985
December	136,250,600	18,747,157	929,076	82	155,926,915
Year 2020					
January	136,144,897	18,680,499	935,087	82	155,760,565
February	135,425,123	18,619,364	919,229	82	154,963,798
Rolling 12 Months Ending in February					
2019	134,077,236	18,610,777	850,768	83	153,538,863
2020	135,542,619	18,648,744	922,330	82	155,113,774

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 2018 and prior years are final. Values for 2020 and 2019 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 2020 and 2019

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
New England	6,426,959	6,343,875	903,757	888,920	19,413	19,693	6	6	7,350,135	7,252,494
Connecticut	1,517,678	1,509,619	154,854	154,404	4,104	4,226	3	3	1,676,639	1,668,252
Maine	699,046	692,901	95,182	94,851	2,657	2,884	0	0	796,885	790,636
Massachusetts	2,827,811	2,752,884	425,144	413,825	7,639	7,531	2	2	3,260,596	3,174,242
New Hampshire	630,312	625,507	108,888	108,046	3,137	3,150	0	0	742,337	736,703
Rhode Island	436,452	447,509	60,555	60,654	1,735	1,765	1	1	498,743	509,929
Vermont	315,660	315,455	59,134	57,140	141	137	0	0	374,935	372,732
Middle Atlantic	16,321,771	16,221,412	2,378,489	2,364,060	32,463	29,170	19	20	18,732,742	18,614,662
New Jersey	3,612,337	3,580,962	525,578	530,664	11,610	11,792	6	6	4,149,531	4,123,424
New York	7,264,197	7,224,324	1,132,173	1,113,996	6,459	6,582	8	8	8,402,837	8,344,910
Pennsylvania	5,445,237	5,416,126	720,738	719,400	14,394	10,796	5	6	6,180,374	6,146,328
East North Central	20,495,356	20,357,841	2,534,118	2,517,340	47,168	46,318	10	10	23,076,652	22,921,509
Illinois	5,358,921	5,332,760	626,257	619,073	3,972	3,990	3	3	5,989,153	5,955,826
Indiana	2,908,357	2,881,588	360,761	353,364	15,950	15,016	1	1	3,285,069	3,249,969
Michigan	4,441,168	4,401,285	552,429	550,994	NM	NM	2	2	4,999,046	4,957,779
Ohio	5,030,797	5,008,305	632,857	635,435	16,946	16,912	2	2	5,680,602	5,660,654
Wisconsin	2,756,113	2,733,903	361,814	358,474	NM	NM	2	2	3,122,782	3,097,281
West North Central	9,687,998	9,596,365	1,481,542	1,468,604	111,487	109,845	3	3	11,281,030	11,174,817
Iowa	1,417,685	1,403,190	248,503	245,477	NM	NM	0	0	1,672,916	1,655,298
Kansas	1,291,276	1,280,513	236,877	235,522	24,685	24,798	0	0	1,552,838	1,540,833
Minnesota	2,452,456	2,424,828	295,230	292,595	NM	NM	1	1	2,755,856	2,725,440
Missouri	2,854,691	2,835,057	388,117	384,429	6,556	6,644	2	2	3,249,366	3,226,132
Nebraska	874,385	865,476	162,161	161,360	53,386	52,001	0	0	1,089,932	1,078,837
North Dakota	387,850	381,732	75,399	74,398	8,916	8,756	0	0	472,165	464,886
South Dakota	409,655	405,569	75,255	74,823	NM	NM	0	0	487,957	483,391
South Atlantic	28,530,814	28,141,788	3,839,997	3,803,574	77,694	77,752	13	13	32,448,518	32,023,127
Delaware	439,626	433,234	55,370	54,769	565	572	0	0	495,561	488,575
District of Columbia	286,787	279,982	26,564	26,475	1	1	3	3	313,355	306,461
Florida	9,532,396	9,396,571	1,244,968	1,234,592	20,148	20,174	2	2	10,797,514	10,651,339
Georgia	4,494,808	4,426,449	591,092	585,737	19,179	19,189	1	1	5,105,080	5,031,376
Maryland	2,368,496	2,348,385	255,953	254,937	8,796	8,768	5	5	2,633,250	2,612,095
North Carolina	4,685,952	4,615,720	710,897	701,035	9,672	9,727	1	1	5,406,522	5,326,483
South Carolina	2,362,016	2,319,452	374,716	369,377	4,159	4,190	0	0	2,740,891	2,693,019
Virginia	3,501,850	3,461,684	434,722	431,771	3,790	3,730	1	1	3,940,363	3,897,186
West Virginia	858,883	860,311	145,715	144,881	11,384	11,401	0	0	1,015,982	1,016,593
East South Central	8,598,218	8,515,380	1,418,665	1,405,845	21,796	21,940	0	0	10,038,679	9,943,165
Alabama	2,292,648	2,269,516	372,081	370,330	8,142	8,158	0	0	2,672,871	2,648,004
Kentucky	2,029,074	2,012,863	310,010	305,491	5,340	5,423	0	0	2,344,424	2,323,777
Mississippi	1,328,521	1,321,674	236,702	239,186	7,452	7,527	0	0	1,572,675	1,568,387
Tennessee	2,947,975	2,911,327	499,872	490,838	862	832	0	0	3,448,709	3,402,997
West South Central	16,308,537	16,345,710	2,228,686	2,230,265	327,759	294,711	6	6	18,864,988	18,870,692
Arkansas	1,414,785	1,402,015	193,348	193,067	33,991	34,324	2	2	1,642,126	1,629,408
Louisiana	2,114,876	2,106,153	290,230	292,813	18,196	18,117	1	1	2,423,303	2,417,084
Oklahoma	1,815,198	1,797,555	288,859	286,536	19,349	17,853	0	0	2,123,406	2,101,944
Texas	10,963,678	11,039,987	1,456,249	1,457,849	256,223	224,417	3	3	12,676,153	12,722,256
Mountain	10,094,704	9,931,268	1,420,497	1,403,911	87,800	85,932	5	5	11,603,006	11,421,116
Arizona	2,887,567	2,837,618	328,764	323,612	NM	6,399	2	2	3,222,287	3,167,631
Colorado	2,389,358	2,353,181	369,564	365,707	NM	14,063	1	1	2,773,604	2,732,952
Idaho	772,388	753,426	113,049	111,390	28,632	28,390	0	0	914,069	893,206
Montana	523,262	516,426	113,302	111,503	NM	NM	0	0	642,824	634,073
Nevada	1,214,357	1,196,253	168,089	166,355	NM	NM	1	1	1,385,653	1,365,763
New Mexico	917,096	909,172	141,565	140,461	NM	8,473	0	0	1,067,315	1,058,106
Utah	1,112,471	1,089,492	126,957	126,182	10,568	9,527	1	1	1,249,997	1,225,202
Wyoming	278,205	275,700	59,207	58,701	9,845	9,782	0	0	347,257	344,183
Pacific Contiguous	18,230,262	17,282,009	2,298,732	2,281,718	191,451	191,708	20	19	20,720,465	19,755,454
California	13,315,813	12,443,361	1,656,104	1,647,215	137,154	138,105	13	12	15,109,084	14,228,693
Oregon	1,794,109	1,768,802	242,957	240,716	26,207	26,098	2	2	2,063,275	2,035,618
Washington	3,120,340	3,069,846	399,671	393,787	28,090	27,505	5	5	3,548,106	3,491,143
Pacific Noncontiguous	730,504	726,334	114,881	114,052	NM	NM	0	0	847,583	842,580
Alaska	291,224	289,228	55,042	54,316	NM	NM	0	0	347,649	344,926
Hawaii	439,280	437,106	59,839	59,736	815	812	0	0	499,934	497,654
U.S. Total	135,425,123	133,461,982	18,619,364	18,478,289	919,229	879,263	82	82	154,963,798	152,819,616

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.
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.

Chapter 6

Capacity

Table 6.1. Electric Generating Summer Capacity Changes (MW), January 2020 to February 2020

		As of End of January 2020	Activity During February 2020 as Reported to EIA		As of End of February 2020	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		Reductions		Planned Net Change		Capacity	
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*	*104,272.4*	*121.3*	*14.7*	*104,379.0*	*106.6*	*823.8*	*8,627.8*	*2,772.0*	*22,445.2*	*25.3*	*25.3*	*2,746.7*	*22,419.9*	*107,125.7*	*126,798.9*
..... *Offshore Wind (Summer Capacity)*	*Utility Scale Facilities*	*29.3*	*0.0*	*0.0*	*29.3*	*0.0*	*0.0*	*0.0*	*0.0*	*12.0*	*0.0*	*0.0*	*0.0*	*12.0*	*29.3*	*41.3*
..... Wind (Summer Capacity)	Utility Scale Facilities	104,301.7	121.3	14.7	104,408.3	106.6	823.8	8,627.8	2,772.0	22,457.2	25.3	25.3	2,746.7	22,431.9	107,155.0	126,840.2
..... *Solar Photovoltaic*	*Utility Scale Facilities*	*36,613.2*	*610.1*	*113.2*	*37,110.1*	*496.9*	*1,538.9*	*5,977.6*	*501.1*	*13,291.7*	*0.0*	*0.0*	*501.1*	*13,291.7*	*37,611.2*	*50,401.8*
..... *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*	*405.6*	*0.0*	*0.0*	*405.6*	*0.0*	*0.2*	*0.2*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*405.6*	*405.6*
..... Solar Subtotal	Utility Scale Facilities	38,371.3	610.1	113.2	38,868.2	496.9	1,539.1	5,977.8	501.1	13,291.7	0.0	0.0	501.1	13,291.7	39,369.3	52,159.9
..... Conventional Hydroelectric	Utility Scale Facilities	79,851.8	1.2	118.0	79,735.0	-116.8	-11.3	-144.0	26.4	304.6	0.0	3.4	26.4	301.2	79,761.4	80,036.2
..... *Wood/Wood Waste Biomass*	*Utility Scale Facilities*	*8,430.9*	*4.2*	*32.2*	*8,402.9*	*-28.0*	*-86.0*	*-238.2*	*0.0*	*0.0*	*0.0*	*20.0*	*0.0*	*-20.0*	*8,402.9*	*8,382.9*
..... *Landfill Gas*	*Utility Scale Facilities*	*1,988.5*	*2.7*	*4.4*	*1,986.8*	*-1.7*	*-49.1*	*-69.2*	*0.0*	*6.4*	*0.0*	*75.9*	*0.0*	*-69.5*	*1,986.8*	*1,917.3*
..... *Municipal Solid Waste*	*Utility Scale Facilities*	*2,189.3*	*0.0*	*63.6*	*2,125.7*	*-63.6*	*-63.6*	*-108.4*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*2,125.7*	*2,125.7*
..... *Other Waste Biomass*	*Utility Scale Facilities*	*732.3*	*1.7*	*1.0*	*733.0*	*0.7*	*-1.0*	*-7.4*	*0.0*	*52.8*	*0.0*	*2.0*	*0.0*	*50.8*	*733.0*	*783.8*
..... Biomass Sources Subtotal	Utility Scale Facilities	13,341.0	8.6	101.2	13,248.4	-92.6	-199.7	-423.2	0.0	59.2	0.0	97.9	0.0	-38.7	13,248.4	13,209.7
..... Geothermal	Utility Scale Facilities	2,471.7	86.0	0.0	2,557.7	86.0	98.6	106.5	0.0	0.0	0.0	0.0	0.0	0.0	2,557.7	2,557.7
... Renewable Sources Subtotal	***Utility Scale Facilities***	***238,337.5***	***827.2***	***347.1***	***238,817.6***	***480.1***	***2,250.5***	***14,144.9***	***3,299.5***	***36,112.7***	***25.3***	***126.6***	***3,274.2***	***35,986.1***	***242,091.8***	***274,803.7***
..... *Natural Gas Fired Combined Cycle*	*Utility Scale Facilities*	*270,085.4*	*1,153.9*	*257.0*	*270,982.3*	*896.9*	*445.7*	*7,303.2*	*1,980.1*	*6,346.0*	*86.7*	*106.7*	*1,893.4*	*6,239.3*	*272,875.7*	*277,221.6*
..... *Natural Gas Fired Combustion Turbine*	*Utility Scale Facilities*	*128,869.8*	*761.1*	*595.2*	*129,035.7*	*165.9*	*158.9*	*1,237.2*	*341.8*	*1,601.4*	*60.7*	*515.2*	*281.1*	*1,086.2*	*129,316.8*	*130,121.9*
..... *Natural Gas Steam Turbine*	*Utility Scale Facilities*	*71,503.5*	*33.5*	*1,399.8*	*70,137.2*	*-1,366.3*	*-1,815.1*	*-4,482.9*	*0.0*	*2.4*	*0.0*	*1,913.1*	*0.0*	*-1,910.7*	*70,137.2*	*68,226.5*
..... *Natural Gas Internal Combustion Engine*	*Utility Scale Facilities*	*5,018.8*	*10.4*	*0.0*	*5,029.2*	*10.4*	*97.9*	*325.6*	*91.9*	*227.6*	*0.0*	*31.1*	*91.9*	*196.5*	*5,121.1*	*5,225.7*
..... *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*	*182.0*	*9.4*	*1.4*	*190.0*	*8.0*	*12.2*	*15.0*	*5.0*	*19.8*	*0.0*	*0.0*	*5.0*	*19.8*	*195.0*	*209.8*
..... Natural Gas Subtotal	Utility Scale Facilities	475,769.5	1,968.3	2,253.4	475,484.4	-285.1	-1,100.4	4,398.1	2,418.8	8,197.2	147.4	2,566.1	2,271.4	5,631.1	477,755.8	481,115.5
..... *Conventional Steam Coal*	*Utility Scale Facilities*	*226,855.7*	*53.8*	*470.0*	*226,439.5*	*-416.2*	*-2,045.9*	*-12,362.4*	*0.0*	*41.0*	*882.4*	*7,043.2*	*-882.4*	*-7,002.2*	*225,557.1*	*219,437.3*
..... *Coal Integrated Gasification Combined Cycle*	*Utility Scale Facilities*	*756.0*	*0.0*	*0.0*	*756.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*756.0*	*756.0*
..... Coal Subtotal	Utility Scale Facilities	227,611.7	53.8	470.0	227,195.5	-416.2	-2,045.9	-12,362.4	0.0	41.0	882.4	7,043.2	-882.4	-7,002.2	226,313.1	220,193.3
..... Petroleum Coke	Utility Scale Facilities	1,465.2	3.0	15.8	1,452.4	-12.8	-12.8	-12.8	0.0	0.0	0.0	0.0	0.0	0.0	1,452.4	1,452.4
..... Petroleum Liquids	Utility Scale Facilities	30,494.5	52.3	11.7	30,535.1	40.6	-97.2	-292.9	5.0	9.7	0.0	29.1	5.0	-19.4	30,540.1	30,515.7
..... Other Gases	Utility Scale Facilities	2,548.9	0.0	0.0	2,548.9	0.0	0.0	5.0	0.0	0.0	0.0	0.0	0.0	0.0	2,548.9	2,548.9
... Fossil Fuels Subtotal	***Utility Scale Facilities***	***737,889.8***	***2,077.4***	***2,750.9***	***737,216.3***	***-673.5***	***-3,256.3***	***-8,265.0***	***2,423.8***	***8,247.9***	***1,029.8***	***9,638.4***	***1,394.0***	***-1,390.5***	***738,610.3***	***735,825.8***
..... Hydroelectric Pumped Storage	Utility Scale Facilities	22,880.9	0.0	0.0	22,880.9	0.0	2.7	81.7	0.0	173.3	0.0	0.0	0.0	173.3	22,880.9	23,054.2
..... Flywheels	Utility Scale Facilities	47.0	0.0	0.0	47.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.0	47.0
..... Batteries	Utility Scale Facilities	1,023.3	18.4	26.5	1,015.2	-8.1	0.0	116.8	21.7	350.6	0.0	0.0	21.7	350.6	1,036.9	1,365.8
... Energy Storage Subtotal	***Utility Scale Facilities***	***23,951.2***	***18.4***	***26.5***	***23,943.1***	***-8.1***	***2.7***	***198.5***	***21.7***	***523.9***	***0.0***	***0.0***	***21.7***	***523.9***	***23,964.8***	***24,467.0***
... Nuclear	***Utility Scale Facilities***	***98,042.4***	***99.5***	***22.9***	***98,119.0***	***76.6***	***48.8***	***-1,272.6***	***0.0***	***20.0***	***0.0***	***1,617.5***	***0.0***	***-1,597.5***	***98,119.0***	***96,521.5***
... All Other	***Utility Scale Facilities***	***1,647.2***	***96.0***	***6.6***	***1,736.6***	***89.4***	***241.1***	***289.0***	***0.0***	***0.0***	***0.0***	***0.0***	***0.0***	***0.0***	***1,736.6***	***1,736.6***
TOTAL	**UTILITY SCALE FACILITIES**	**1,099,868.1**	**3,118.5**	**3,154.0**	**1,099,832.6**	**-35.5**	**-713.2**	**5,094.8**	**5,745.0**	**44,904.5**	**1,055.1**	**11,382.5**	**4,689.9**	**33,522.0**	**1,104,522.5**	**1,133,354.6**
..... *Estimated Small Scale Solar Photovoltaic*	*Small Scale Facilities*	*23,582.8*			*23,919.3*	*336.4*	*708.5*	*3,952.1*								
..... Estimated Total Solar Photovoltaic	All Facilities	60,196.0			61,029.4	833.3	2,247.4	9,929.7								
... Estimated Total Solar	***All Facilities***	***61,954.1***			***62,787.5***	***833.3***	***2,247.6***	***9,929.9***								

NOTES:
Planned Capacity Additions reflect plans to begin operating new units and plans to uprate existing units.
Planned Capacity Reductions reflect plans to retire or derate existing units.
Actual Capacity Additions reflect new units, uprates to existing units, corrections to previously reported capacities, and additions not previously reported.
Actual Capacity Reductions reflect retirements of and derates to existing units, corrections to previously reported capacities, and reductions not previously reported.
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this 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 2020

Period	Utility Solar Photovoltaic	Estimated Small Scale Solar Photovoltaic	Estimated Total Solar Photovoltaic
Annual Totals			
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	25,209.0	16,147.8	41,356.8
2018	30,120.5	19,547.1	49,667.6
2019	35,571.2	23,210.8	58,782.0
Year 2018			
January	25,968.4	16,647.9	42,616.3
February	26,067.6	16,888.9	42,956.5
March	26,592.1	17,172.4	43,764.5
April	26,859.7	17,431.2	44,290.9
May	27,291.3	17,714.7	45,006.0
June	27,451.7	17,988.5	45,440.2
July	27,590.1	18,239.9	45,830.0
August	27,674.0	18,519.6	46,193.6
Sept	27,989.5	18,780.9	46,770.4
October	28,158.3	19,059.8	47,218.1
November	28,690.2	19,320.0	48,010.2
December	30,120.5	19,547.1	49,667.6
Year 2019			
January	30,924.8	19,727.0	50,651.8
February	31,132.5	19,967.1	51,099.6
March	31,355.3	20,284.2	51,639.5
April	31,444.8	20,561.2	52,006.0
May	31,508.0	20,870.6	52,378.6
June	31,826.6	21,137.2	52,963.8
July	32,053.9	21,473.3	53,527.2
August	32,276.1	21,790.9	54,067.0
Sept	32,491.1	22,102.7	54,593.8
October	32,987.2	22,428.1	55,415.3
November	33,647.2	22,710.0	56,357.2
December	35,571.2	23,210.8	58,782.0
Year 2020			
January	36,613.2	23,582.8	60,196.0
February	37,110.1	23,919.3	61,029.4

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 2020

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	9,626.8	5,155.8	1,365.1	16,147.8
2018	11,720.4	6,271.4	1,555.4	19,547.1
2019	14,228.7	7,185.7	1,796.4	23,210.8
Year 2018				
January	9,817.0	5,460.2	1,370.7	16,647.9
February	9,977.5	5,530.9	1,380.4	16,888.9
March	10,144.5	5,629.9	1,398.0	17,172.4
April	10,301.4	5,712.2	1,417.5	17,431.2
May	10,476.8	5,801.6	1,436.2	17,714.7
June	10,643.5	5,891.0	1,454.0	17,988.5
July	10,810.7	5,967.0	1,462.2	18,239.9
August	10,991.8	6,055.4	1,472.4	18,519.6
Sept	11,157.7	6,132.3	1,491.0	18,780.9
October	11,354.3	6,204.2	1,501.4	19,059.8
November	11,529.1	6,261.2	1,529.7	19,320.0
December	11,720.4	6,271.4	1,555.4	19,547.1
Year 2019				
January	11,898.3	6,249.0	1,579.7	19,727.0
February	12,069.5	6,306.8	1,590.9	19,967.1
March	12,270.7	6,402.5	1,611.1	20,284.2
April	12,454.0	6,467.9	1,639.2	20,561.2
May	12,650.2	6,553.7	1,666.7	20,870.6
June	12,840.4	6,608.8	1,688.0	21,137.2
July	13,089.5	6,686.9	1,696.9	21,473.3
August	13,308.1	6,769.8	1,713.0	21,790.9
Sept	13,525.8	6,841.2	1,735.6	22,102.7
October	13,760.8	6,917.3	1,750.0	22,428.1
November	13,985.3	6,959.3	1,765.4	22,710.0
December	14,228.7	7,185.7	1,796.4	23,210.8
Year 2020				
January	14,491.2	7,270.6	1,821.0	23,582.8
February	14,746.6	7,326.0	1,846.7	23,919.3

Values are preliminary.
Improved renewable data reporting has resulted in realignment of the commercial and industrial sectors.
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 2020 and 2019 (Megawatts)

Census Division and State	Renewable Sources		Fossil Fuels		Hydroelectric Pumped Storage		Other Energy Storage		Nuclear		All Other Sources		All Sources	
	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
New England	6,008.3	5,937.5	24,237.9	23,046.9	1,797.4	1,797.4	57.1	28.7	3,323.5	3,997.1	48.0	48.0	35,472.2	34,855.6
Connecticut	460.4	420.8	7,868.9	7,273.4	29.4	29.4	1.6	1.6	2,073.1	2,073.1	26.0	26.0	10,459.4	9,824.3
Maine	2,230.5	2,347.1	2,499.3	2,478.8	0.0	0.0	16.2	16.2	0.0	0.0	22.0	22.0	4,768.0	4,864.1
Massachusetts	1,505.1	1,423.3	9,599.1	9,027.2	1,768.0	1,768.0	28.4	7.9	0.0	673.6	0.0	0.0	12,900.6	12,900.0
New Hampshire	956.5	928.1	2,289.9	2,289.9	0.0	0.0	0.0	0.0	1,250.4	1,250.4	0.0	0.0	4,496.8	4,468.4
Rhode Island	171.1	150.2	1,835.1	1,832.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,006.2	1,982.3
Vermont	684.7	668.0	145.6	145.5	0.0	0.0	10.9	3.0	0.0	0.0	0.0	0.0	841.2	816.5
Middle Atlantic	11,618.3	11,372.7	73,032.9	71,938.0	3,383.3	3,380.6	143.5	123.5	17,956.6	18,697.9	11.2	11.2	106,145.8	105,523.9
New Jersey	1,105.7	1,032.7	12,225.8	12,449.3	420.0	420.0	42.1	42.1	3,467.1	3,500.2	11.2	11.2	17,271.9	17,455.5
New York	7,537.8	7,478.6	26,660.7	26,894.7	1,411.3	1,408.6	53.0	33.0	5,396.3	5,400.7	0.0	0.0	41,059.1	41,215.6
Pennsylvania	2,974.8	2,861.4	34,146.4	32,594.0	1,552.0	1,552.0	48.4	48.4	9,093.2	9,797.0	0.0	0.0	47,814.8	46,852.8
East North Central	13,389.5	12,727.1	109,255.1	112,554.7	2,231.0	2,152.0	194.7	189.7	19,007.1	19,001.8	187.1	187.1	144,264.5	146,812.4
Illinois	5,367.7	4,940.8	27,080.5	29,056.5	0.0	0.0	132.7	132.7	11,582.4	11,582.4	78.0	78.0	44,241.3	45,790.4
Indiana	2,686.3	2,658.0	23,840.6	23,876.4	0.0	0.0	28.0	23.0	0.0	0.0	88.0	88.0	26,642.9	26,645.4
Michigan	3,009.7	2,832.6	20,171.8	20,614.2	2,231.0	2,152.0	1.0	1.0	4,089.6	4,089.6	0.0	0.0	29,503.1	29,689.4
Ohio	1,197.9	1,058.3	25,213.5	25,946.3	0.0	0.0	33.0	33.0	2,134.0	2,134.0	0.0	0.0	28,578.4	29,171.6
Wisconsin	1,127.9	1,237.4	12,948.7	13,061.3	0.0	0.0	0.0	0.0	1,201.1	1,195.8	21.1	21.1	15,298.8	15,515.6
West North Central	33,205.1	29,438.5	59,034.6	59,185.3	657.0	657.0	20.1	20.1	5,443.4	5,443.4	22.8	22.8	98,383.0	94,767.1
Iowa	10,481.4	8,499.3	9,830.5	9,808.2	0.0	0.0	1.1	1.1	601.4	601.4	0.0	0.0	20,914.4	18,910.0
Kansas	6,159.6	5,678.7	8,853.5	9,028.9	0.0	0.0	0.0	0.0	1,225.0	1,225.0	0.8	0.8	16,238.9	15,933.4
Minnesota	5,316.2	5,234.2	10,239.6	10,149.5	0.0	0.0	16.0	16.0	1,657.0	1,657.0	16.7	16.7	17,245.5	17,073.4
Missouri	1,579.0	1,579.0	17,625.1	17,672.0	657.0	657.0	2.2	2.2	1,190.0	1,190.0	0.0	0.0	21,053.3	21,100.2
Nebraska	2,495.7	2,332.9	6,197.2	6,201.8	0.0	0.0	0.0	0.0	770.0	770.0	0.0	0.0	9,462.9	9,304.7
North Dakota	4,198.3	3,637.6	4,601.2	4,633.6	0.0	0.0	0.0	0.0	0.0	0.0	5.3	5.3	8,804.8	8,276.5
South Dakota	2,974.9	2,476.8	1,687.5	1,691.3	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.0	4,663.2	4,168.9
South Atlantic	23,133.7	20,595.0	161,360.8	161,800.1	7,905.2	7,905.2	76.5	76.5	24,688.6	24,706.6	468.9	408.7	217,633.7	215,492.1
Delaware	50.9	47.4	3,322.6	3,330.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,373.5	3,377.8
District of Columbia	18.9	17.9	20.6	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	39.5	34.4
Florida	3,891.9	3,106.2	53,218.7	50,667.2	0.0	0.0	14.0	14.0	3,626.0	3,626.0	312.9	348.7	61,063.5	57,762.1
Georgia	4,773.0	4,017.6	26,084.2	27,054.5	1,862.2	1,862.2	1.0	1.0	4,061.0	4,061.0	0.0	0.0	36,781.4	36,996.3
Maryland	1,241.2	1,194.6	11,787.3	11,984.4	0.0	0.0	7.0	7.0	1,707.8	1,725.8	6.0	6.0	14,749.3	14,917.8
North Carolina	7,290.9	6,812.1	22,079.1	22,127.1	86.0	86.0	1.0	1.0	5,149.6	5,149.6	54.0	54.0	34,660.6	34,229.8
South Carolina	2,609.6	2,217.5	12,142.1	12,161.3	2,716.0	2,716.0	4.0	4.0	6,576.2	6,576.2	0.0	0.0	24,047.9	23,675.0
Virginia	2,227.0	2,151.4	18,918.3	20,674.6	3,241.0	3,241.0	0.0	0.0	3,568.0	3,568.0	96.0	0.0	28,050.3	29,635.0
West Virginia	1,030.3	1,030.3	13,787.9	13,784.1	0.0	0.0	49.5	49.5	0.0	0.0	0.0	0.0	14,867.7	14,863.9
East South Central	8,896.0	8,814.0	61,825.9	64,009.0	1,616.3	1,616.3	1.0	1.0	11,449.1	11,294.1	1.4	1.4	83,789.7	85,735.8
Alabama	4,103.8	4,086.1	19,627.9	20,660.7	0.0	0.0	1.0	1.0	5,525.4	5,370.4	0.0	0.0	29,258.1	30,118.2
Kentucky	1,247.6	1,245.2	17,308.3	18,290.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18,555.9	19,535.5
Mississippi	520.5	463.0	12,647.4	12,867.7	0.0	0.0	0.0	0.0	1,401.0	1,401.0	1.4	1.4	14,570.3	14,733.1
Tennessee	3,024.1	3,019.7	12,242.3	12,190.3	1,616.3	1,616.3	0.0	0.0	4,522.7	4,522.7	0.0	0.0	21,405.4	21,349.0
West South Central	43,256.5	39,049.6	138,865.8	139,040.3	286.0	286.0	141.6	99.8	8,910.7	8,910.7	740.6	512.5	192,201.2	187,898.9
Arkansas	1,640.5	1,697.1	11,257.3	11,242.4	28.0	28.0	12.0	0.0	1,817.8	1,817.8	0.0	0.0	14,755.6	14,785.3
Louisiana	615.0	683.2	21,073.2	20,005.5	0.0	0.0	0.5	0.5	2,132.9	2,132.9	516.6	288.5	24,338.2	23,110.6
Oklahoma	9,141.0	9,041.0	17,970.0	18,155.1	258.0	258.0	0.0	0.0	0.0	0.0	0.0	0.0	27,369.0	27,454.1
Texas	31,860.0	27,628.3	88,565.3	89,637.3	0.0	0.0	129.1	99.3	4,960.0	4,960.0	224.0	224.0	125,738.4	122,548.9
Mountain	28,617.8	27,317.6	59,466.1	62,065.7	778.8	778.8	54.3	56.1	3,937.0	3,937.0	123.7	123.0	92,977.7	94,278.2
Arizona	5,324.2	5,101.1	17,414.7	19,204.3	216.3	216.3	42.0	42.0	3,937.0	3,937.0	0.0	0.0	26,934.2	28,500.7
Colorado	5,071.3	4,955.2	10,932.9	11,063.0	562.5	562.5	10.5	10.5	0.0	0.0	9.1	9.1	16,586.3	16,600.3
Idaho	4,067.4	4,068.5	1,127.1	1,127.1	0.0	0.0	0.0	0.0	0.0	0.0	14.8	14.8	5,209.3	5,210.4
Montana	3,585.6	3,571.2	2,130.9	2,744.9	0.0	0.0	0.0	0.0	0.0	0.0	40.0	40.0	5,756.5	6,356.1
Nevada	4,099.6	3,658.8	7,821.6	7,821.6	0.0	0.0	0.0	0.0	0.0	0.0	6.5	6.5	11,927.7	11,486.9
New Mexico	2,807.9	2,473.7	5,964.4	5,956.3	0.0	0.0	1.8	3.6	0.0	0.0	0.7	0.0	8,774.8	8,433.6
Utah	1,660.3	1,602.7	7,302.2	7,374.2	0.0	0.0	0.0	0.0	0.0	0.0	40.2	40.2	9,002.7	9,017.1
Wyoming	2,001.5	1,886.4	6,772.3	6,774.3	0.0	0.0	0.0	0.0	0.0	0.0	12.4	12.4	8,786.2	8,673.1
Pacific Contiguous	69,338.6	68,210.5	45,884.3	47,618.1	4,225.9	4,225.9	265.2	242.8	3,403.0	3,403.0	106.3	106.3	123,223.3	123,806.6
California	32,101.5	31,184.8	36,816.4	38,550.2	3,911.9	3,911.9	254.0	231.6	2,240.0	2,240.0	106.3	106.3	75,430.1	76,224.8
Oregon	12,513.7	12,270.2	4,326.1	4,326.1	0.0	0.0	5.0	5.0	0.0	0.0	0.0	0.0	16,844.8	16,601.3
Washington	24,723.4	24,755.5	4,741.8	4,741.8	314.0	314.0	6.2	6.2	1,163.0	1,163.0	0.0	0.0	30,948.4	30,980.5
Pacific Noncontiguous	1,353.8	1,210.2	4,252.9	4,223.2	0.0	0.0	108.2	107.2	0.0	0.0	26.6	26.6	5,741.5	5,567.2
Alaska	538.2	538.2	2,194.6	2,164.9	0.0	0.0	47.2	46.2	0.0	0.0	0.0	0.0	2,780.0	2,749.3
Hawaii	815.6	672.0	2,058.3	2,058.3	0.0	0.0	61.0	61.0	0.0	0.0	26.6	26.6	2,961.5	2,817.9
U.S. Total	238,817.6	224,672.7	737,216.3	745,481.3	22,880.9	22,799.2	1,062.2	945.4	98,119.0	99,391.6	1,736.6	1,447.6	1,099,832.6	1,094,737.8

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 2020 and 2019 (Megawatts)

	Summer Capacity at Utility Scale Facilities														Small Scale Capacity		Capacity From Utility and Small Scale Facilities			
Census Division and State	Wind		Solar Photovoltaic		Solar Thermal		Conventional Hydroelectric		Biomass Sources		Geothermal		Total Renewable Sources		Estimated Solar Photovoltaic		Estimated Total Solar Photovoltaic		Estimated Total Solar	
	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
New England	1,462.8	1,424.8	1,168.2	1,015.3	0.0	0.0	1,957.6	1,960.1	1,419.7	1,537.3	0.0	0.0	6,008.3	5,937.5	2,633.5	2,205.5	3,801.7	3,220.8	3,801.7	3,220.8
Connecticut	1.0	1.0	137.4	95.0	0.0	0.0	119.4	122.2	202.6	202.6	0.0	0.0	460.4	420.8	526.0	419.0	663.4	514.0	663.4	514.0
Maine	921.6	921.6	5.6	5.6	0.0	0.0	734.0	733.0	569.3	686.9	0.0	0.0	2,230.5	2,347.1	56.4	45.8	62.0	51.4	62.0	51.4
Massachusetts	105.7	96.1	848.2	775.3	0.0	0.0	266.3	267.0	284.9	284.9	0.0	0.0	1,505.1	1,423.3	1,638.0	1,450.8	2,486.2	2,226.1	2,486.2	2,226.1
New Hampshire	211.5	183.1	0.0	0.0	0.0	0.0	504.0	504.0	241.0	241.0	0.0	0.0	956.5	928.1	105.4	85.0	105.4	85.0	105.4	85.0
Rhode Island	72.8	72.8	55.5	34.6	0.0	0.0	2.7	2.7	40.1	40.1	0.0	0.0	171.1	150.2	185.4	97.6	240.9	132.2	240.9	132.2
Vermont	150.2	150.2	121.5	104.8	0.0	0.0	331.2	331.2	81.8	81.8	0.0	0.0	684.7	668.0	122.2	107.2	243.7	212.0	243.7	212.0
Middle Atlantic	3,453.3	3,467.3	1,457.4	1,152.8	0.0	0.0	5,474.1	5,473.2	1,233.5	1,279.4	0.0	0.0	11,618.3	11,372.7	3,713.4	3,074.0	5,170.8	4,226.8	5,170.8	4,226.8
New Jersey	7.6	7.6	876.9	785.5	0.0	0.0	12.3	12.3	208.9	227.3	0.0	0.0	1,105.7	1,032.7	1,724.9	1,481.6	2,601.8	2,267.1	2,601.8	2,267.1
New York	1,985.7	2,089.7	489.6	303.5	0.0	0.0	4,562.2	4,561.3	500.3	524.1	0.0	0.0	7,537.8	7,478.6	1,595.0	1,270.4	2,084.6	1,573.9	2,084.6	1,573.9
Pennsylvania	1,460.0	1,370.0	90.9	63.8	0.0	0.0	899.6	899.6	524.3	528.0	0.0	0.0	2,974.8	2,861.4	393.5	322.0	484.4	385.8	484.4	385.8
East North Central	10,813.9	10,145.0	537.1	469.9	0.0	0.0	878.8	859.9	1,159.7	1,252.3	0.0	0.0	13,389.5	12,727.1	696.0	426.0	1,233.1	895.9	1,233.1	895.9
Illinois	5,203.2	4,777.9	42.2	40.6	0.0	0.0	34.1	34.1	88.2	88.2	0.0	0.0	5,367.7	4,940.8	232.7	92.2	274.9	132.8	274.9	132.8
Indiana	2,309.8	2,309.8	245.3	217.0	0.0	0.0	60.4	60.4	70.8	70.8	0.0	0.0	2,686.3	2,658.0	102.2	79.7	347.5	296.7	347.5	296.7
Michigan	2,137.7	1,900.5	100.2	100.2	0.0	0.0	273.4	269.9	498.4	562.0	0.0	0.0	3,009.7	2,832.6	101.7	68.9	201.9	169.1	201.9	169.1
Ohio	843.5	718.4	109.0	88.2	0.0	0.0	101.9	101.9	143.5	149.8	0.0	0.0	1,197.9	1,058.3	169.7	121.3	278.7	209.5	278.7	209.5
Wisconsin	319.7	438.4	40.4	23.9	0.0	0.0	409.0	393.6	358.8	381.5	0.0	0.0	1,127.9	1,237.4	89.8	64.0	130.2	87.9	130.2	87.9
West North Central	28,470.5	24,799.8	1,022.3	849.0	0.0	0.0	3,296.7	3,296.7	415.6	493.0	0.0	0.0	33,205.1	29,438.5	452.3	347.4	1,474.6	1,196.4	1,474.6	1,196.4
Iowa	10,298.4	8,322.6	16.0	8.9	0.0	0.0	146.4	146.4	20.6	21.4	0.0	0.0	10,481.4	8,499.3	124.0	97.9	140.0	106.8	140.0	106.8
Kansas	6,133.4	5,658.5	10.2	4.2	0.0	0.0	7.0	7.0	9.0	9.0	0.0	0.0	6,159.6	5,678.7	26.3	20.5	36.5	24.7	36.5	24.7
Minnesota	3,849.2	3,850.5	914.7	754.8	0.0	0.0	205.9	205.9	346.4	423.0	0.0	0.0	5,316.2	5,234.2	78.7	62.3	993.4	817.1	993.4	817.1
Missouri	954.3	954.3	62.1	62.1	0.0	0.0	548.5	548.5	14.1	14.1	0.0	0.0	1,579.0	1,579.0	210.9	157.3	273.0	219.4	273.0	219.4
Nebraska	2,180.8	2,018.3	18.3	18.0	0.0	0.0	280.9	280.9	15.7	15.7	0.0	0.0	2,495.7	2,332.9	11.0	8.3	29.3	26.3	29.3	26.3
North Dakota	3,678.5	3,117.8	0.0	0.0	0.0	0.0	510.0	510.0	9.8	9.8	0.0	0.0	4,198.3	3,637.6	0.5	0.4	0.5	0.4	0.5	0.4
South Dakota	1,375.9	877.8	1.0	1.0	0.0	0.0	1,598.0	1,598.0	0.0	0.0	0.0	0.0	2,974.9	2,476.8	0.8	0.7	1.8	1.7	1.8	1.7
South Atlantic	1,086.3	1,086.3	10,509.4	8,008.4	0.0	0.0	7,202.4	7,224.4	4,335.6	4,275.9	0.0	0.0	23,133.7	20,595.0	2,198.8	1,776.1	12,708.2	9,784.5	12,708.2	9,784.5
Delaware	2.0	2.0	36.7	33.2	0.0	0.0	0.0	0.0	12.2	12.2	0.0	0.0	50.9	47.4	86.4	79.1	123.1	112.3	123.1	112.3
District of Columbia	0.0	0.0	6.9	5.9	0.0	0.0	0.0	0.0	12.0	12.0	0.0	0.0	18.9	17.9	67.9	47.9	74.8	53.8	74.8	53.8
Florida	0.0	0.0	2,664.3	1,870.9	0.0	0.0	43.5	54.5	1,184.1	1,180.8	0.0	0.0	3,891.9	3,106.2	527.9	322.9	3,192.2	2,193.8	3,192.2	2,193.8
Georgia	0.0	0.0	1,681.0	1,021.0	0.0	0.0	2,032.2	2,047.2	1,059.8	949.4	0.0	0.0	4,773.0	4,017.6	NM	172.9	NM	1,193.9	NM	1,193.9
Maryland	190.0	190.0	320.3	274.6	0.0	0.0	590.0	590.0	140.9	140.0	0.0	0.0	1,241.2	1,194.6	778.1	721.3	1,098.4	995.9	1,098.4	995.9
North Carolina	208.0	208.0	4,512.9	4,043.2	0.0	0.0	2,006.0	2,002.0	564.0	558.9	0.0	0.0	7,290.9	6,812.1	193.6	149.4	4,706.5	4,192.6	4,706.5	4,192.6
South Carolina	0.0	0.0	731.2	367.1	0.0	0.0	1,323.9	1,323.9	554.5	526.5	0.0	0.0	2,609.6	2,217.5	245.1	206.0	976.3	573.1	976.3	573.1
Virginia	0.0	0.0	556.1	392.5	0.0	0.0	866.0	866.0	804.9	892.9	0.0	0.0	2,227.0	2,151.4	105.4	69.0	661.5	461.5	661.5	461.5
West Virginia	686.3	686.3	0.0	0.0	0.0	0.0	340.8	340.8	3.2	3.2	0.0	0.0	1,030.3	1,030.3	9.6	7.4	9.6	7.4	9.6	7.4
East South Central	29.1	29.1	620.5	558.6	0.0	0.0	7,055.3	7,055.5	1,191.1	1,170.8	0.0	0.0	8,896.0	8,814.0	108.3	97.1	728.8	655.7	728.8	655.7
Alabama	0.0	0.0	194.1	194.1	0.0	0.0	3,291.8	3,292.0	617.9	600.0	0.0	0.0	4,103.8	4,086.1	NM	NM	NM	NM	NM	NM
Kentucky	0.0	0.0	26.1	26.1	0.0	0.0	1,146.9	1,146.9	74.6	72.2	0.0	0.0	1,247.6	1,245.2	31.2	23.6	57.3	49.7	57.3	49.7
Mississippi	0.0	0.0	218.1	160.6	0.0	0.0	0.0	0.0	302.4	302.4	0.0	0.0	520.5	463.0	9.3	7.6	227.4	168.2	227.4	168.2
Tennessee	29.1	29.1	182.2	177.8	0.0	0.0	2,616.6	2,616.6	196.2	196.2	0.0	0.0	3,024.1	3,019.7	59.1	57.4	241.3	235.2	241.3	235.2
West South Central	36,271.4	32,657.3	2,829.5	2,090.3	0.0	0.0	2,991.4	2,991.4	1,164.2	1,310.6	0.0	0.0	43,256.5	39,049.6	892.1	684.5	3,721.6	2,774.8	3,721.6	2,774.8
Arkansas	0.0	0.0	110.0	100.0	0.0	0.0	1,265.8	1,265.8	264.7	331.3	0.0	0.0	1,640.5	1,697.1	31.3	19.1	141.3	119.1	141.3	119.1
Louisiana	0.0	0.0	1.1	1.1	0.0	0.0	192.0	192.0	421.9	490.1	0.0	0.0	615.0	683.2	142.6	138.6	143.7	139.7	143.7	139.7
Oklahoma	8,170.7	8,070.7	30.5	30.5	0.0	0.0	863.6	863.6	76.2	76.2	0.0	0.0	9,141.0	9,041.0	13.3	9.9	43.8	40.4	43.8	40.4
Texas	28,100.7	24,586.6	2,687.9	1,958.7	0.0	0.0	670.0	670.0	401.4	413.0	0.0	0.0	31,860.0	27,628.3	704.9	516.9	3,392.8	2,475.6	3,392.8	2,475.6
Mountain	9,955.3	9,560.6	6,695.0	5,819.6	474.1	473.9	10,663.2	10,650.2	171.2	174.3	659.0	639.0	28,617.8	27,317.6	2,818.4	2,386.5	9,513.4	8,206.1	9,987.5	8,680.0
Arizona	267.3	267.3	2,009.7	1,786.8	295.6	295.4	2,720.9	2,720.9	30.7	30.7	0.0	0.0	5,324.2	5,101.1	1,469.7	1,274.2	3,479.4	3,061.0	3,775.0	3,356.4
Colorado	3,757.9	3,698.5	600.0	541.6	0.0	0.0	684.7	686.4	28.7	28.7	0.0	0.0	5,071.3	4,955.2	391.3	359.8	991.3	901.4	991.3	901.4
Idaho	970.4	970.4	242.0	240.0	0.0	0.0	2,764.2	2,764.2	80.8	83.9	10.0	10.0	4,067.4	4,068.5	46.6	28.7	288.6	268.7	288.6	268.7
Montana	783.2	783.5	17.0	17.0	0.0	0.0	2,782.4	2,767.7	3.0	3.0	0.0	0.0	3,585.6	3,571.2	18.4	14.5	35.4	31.5	35.4	31.5
Nevada	150.0	150.0	2,142.5	1,721.7	178.5	178.5	1,051.4	1,051.4	9.8	9.8	567.4	547.4	4,099.6	3,658.8	431.4	321.9	2,573.9	2,043.6	2,752.4	2,222.1
New Mexico	2,035.9	1,815.4	675.1	561.4	0.0	0.0	82.9	82.9	5.4	5.4	8.6	8.6	2,807.9	2,473.7	172.9	140.3	848.0	701.7	848.0	701.7
Utah	388.2	388.2	916.7	859.1	0.0	0.0	269.6	269.6	12.8	12.8	73.0	73.0	1,660.3	1,602.7	281.3	242.1	1,198.0	1,101.2	1,198.0	1,101.2
Wyoming	1,602.4	1,487.3	92.0	92.0	0.0	0.0	307.1	307.1	0.0	0.0	0.0	0.0	2,001.5	1,886.4	6.7	5.0	98.7	97.0	98.7	97.0
Pacific Contiguous	12,599.5	12,344.1	12,003.0	11,044.5	1,284.0	1,284.0	39,712.5	39,864.6	1,883.9	1,904.1	1,855.7	1,769.2	69,338.6	68,210.5	9,726.5	8,354.4	21,729.5	19,398.9	23,013.5	20,682.9
California	6,069.6	6,055.7	11,545.1	10,706.7	1,284.0	1,284.0	10,182.1	10,184.0	1,184.5	1,204.7	1,836.2	1,749.7	32,101.5	31,184.8	9,371.8	8,052.7	20,916.9	18,759.4	22,200.9	20,043.4
Oregon	3,424.0	3,215.3	438.2	318.1	0.0	0.0	8,317.0	8,402.3	315.0	315.0	19.5	19.5	12,513.7	12,270.2	175.2	158.5	613.4	476.6	613.4	476.6
Washington	3,105.9	3,073.1	19.7	19.7	0.0	0.0	21,213.4	21,278.3	384.4	384.4	0.0	0.0	24,723.4	24,755.5	179.5	143.1	199.2	162.8	199.2	162.8
Pacific Noncontiguous	266.2	266.2	267.7	124.1	0.0	0.0	503.0	503.0	273.9	273.9	43.0	43.0	1,353.8	1,210.2	679.9	615.8	947.6	739.9	947.6	739.9
Alaska	60.6	60.6	0.0	0.0	0.0	0.0	470.6	470.6	7.0	7.0	0.0	0.0	538.2	538.2	5.7	3.3	5.7	3.3	5.7	3.3
Hawaii	205.6	205.6	267.7	124.1	0.0	0.0	32.4	32.4	266.9	266.9	43.0	43.0	815.6	672.0	674.2	612.5	941.9	736.6	941.9	736.6
U.S. Total	104,408.3	95,780.5	37,110.1	31,132.5	1,758.1	1,757.9	79,735.0	79,879.0	13,248.4	13,671.6	2,557.7	2,451.2	238,817.6	224,672.7	23,919.3	19,967.1	61,029.4	51,099.6	62,787.5	52,857.5

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 2020 and 2019 (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 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019	February 2020	February 2019
New England	14,287.2	13,638.1	1,597.4	1,056.6	1,120.9	1,116.3	917.3	917.3	0.0	0.0	6,315.1	6,318.6	0.0	0.0	24,237.9	23,046.9
Connecticut	3,990.7	3,413.4	579.2	563.0	880.7	878.7	383.4	383.4	0.0	0.0	2,034.9	2,034.9	0.0	0.0	7,868.9	7,273.4
Maine	1,285.6	1,284.3	144.3	144.3	12.5	12.5	0.0	0.0	0.0	0.0	1,056.9	1,037.7	0.0	0.0	2,499.3	2,478.8
Massachusetts	5,962.7	5,895.2	857.7	333.1	202.3	199.7	0.0	0.0	0.0	0.0	2,576.4	2,599.2	0.0	0.0	9,599.1	9,027.2
New Hampshire	1,258.0	1,258.0	3.8	3.8	0.0	0.0	533.9	533.9	0.0	0.0	494.2	494.2	0.0	0.0	2,289.9	2,289.9
Rhode Island	1,790.2	1,787.2	12.4	12.4	25.4	25.4	0.0	0.0	0.0	0.0	7.1	7.1	0.0	0.0	1,835.1	1,832.1
Vermont	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	145.6	145.5	0.0	0.0	145.6	145.5
Middle Atlantic	34,383.5	31,787.3	7,872.0	7,900.5	14,084.0	14,516.3	11,183.7	12,106.7	11.6	11.6	5,367.4	5,484.9	130.7	130.7	73,032.9	71,938.0
New Jersey	8,579.0	8,541.5	2,844.3	2,826.3	59.9	46.9	463.0	609.0	11.6	11.6	239.0	385.0	29.0	29.0	12,225.8	12,449.3
New York	8,918.9	8,877.9	3,155.3	3,165.7	9,688.9	9,675.0	1,336.5	1,631.5	0.0	0.0	3,561.1	3,544.6	0.0	0.0	26,660.7	26,894.7
Pennsylvania	16,885.6	14,367.9	1,872.4	1,908.5	4,335.2	4,794.4	9,384.2	9,866.2	0.0	0.0	1,567.3	1,555.3	101.7	101.7	34,146.4	32,594.0
East North Central	21,661.0	21,659.3	26,678.5	26,676.5	5,729.6	5,560.3	51,512.8	54,862.3	247.6	247.6	2,340.7	2,455.8	1,084.9	1,092.9	109,255.1	112,554.7
Illinois	3,580.2	3,580.2	10,538.1	10,510.1	1,626.7	1,629.8	10,622.0	12,626.0	0.0	0.0	677.0	673.9	36.5	36.5	27,080.5	29,056.5
Indiana	3,866.0	3,828.0	3,281.3	3,355.1	730.0	730.0	15,245.7	15,245.7	0.0	0.0	98.3	98.3	619.3	619.3	23,840.6	23,876.4
Michigan	4,394.3	4,413.6	3,849.5	3,874.0	2,557.7	2,375.5	8,608.3	9,190.4	47.2	47.2	464.8	463.5	250.0	250.0	20,171.8	20,614.2
Ohio	7,037.8	7,026.4	5,652.7	5,575.1	185.6	185.1	11,496.0	12,246.0	142.0	142.0	520.3	584.6	179.1	187.1	25,213.5	25,946.3
Wisconsin	2,782.7	2,811.1	3,356.9	3,362.2	629.6	639.9	5,540.8	5,554.2	58.4	58.4	580.3	635.5	0.0	0.0	12,948.7	13,061.3
West North Central	6,864.1	6,642.1	11,566.5	11,733.4	3,669.8	3,807.3	33,018.0	33,079.3	39.5	39.5	3,868.3	3,875.3	8.4	8.4	59,034.6	59,185.3
Iowa	1,829.0	1,781.0	1,226.8	1,259.4	548.9	539.2	5,364.8	5,371.7	39.5	39.5	821.5	817.4	0.0	0.0	9,830.5	9,808.2
Kansas	266.0	266.0	2,152.6	2,156.8	1,185.6	1,361.9	4,679.8	4,679.8	0.0	0.0	569.5	564.4	0.0	0.0	8,853.5	9,028.9
Minnesota	2,346.0	2,172.0	2,544.8	2,668.8	423.8	381.6	4,157.9	4,157.9	0.0	0.0	767.1	769.2	0.0	0.0	10,239.6	10,149.5
Missouri	1,794.9	1,794.9	3,390.7	3,396.8	869.5	878.5	10,464.5	10,486.5	0.0	0.0	1,105.5	1,115.3	0.0	0.0	17,625.1	17,672.0
Nebraska	338.2	338.2	1,149.0	1,149.0	521.7	525.8	3,867.0	3,867.0	0.0	0.0	321.3	321.8	0.0	0.0	6,197.2	6,201.8
North Dakota	0.0	0.0	408.0	408.0	111.6	111.6	4,010.0	4,042.4	0.0	0.0	63.2	63.2	8.4	8.4	4,601.2	4,633.6
South Dakota	290.0	290.0	694.6	694.6	8.7	8.7	474.0	474.0	0.0	0.0	220.2	224.0	0.0	0.0	1,687.5	1,691.3
South Atlantic	61,668.5	59,087.8	32,127.9	32,020.8	6,832.1	7,428.1	51,520.1	54,004.8	142.8	142.8	8,934.4	8,980.8	135.0	135.0	161,360.8	161,800.1
Delaware	1,504.0	1,511.0	316.4	317.2	843.1	843.1	410.0	410.0	0.0	0.0	114.1	114.1	135.0	135.0	3,322.6	3,330.4
District of Columbia	0.0	0.0	20.6	16.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.6	16.5
Florida	31,758.7	29,248.4	7,827.2	7,761.6	2,493.2	2,493.2	7,782.0	7,804.0	59.0	59.0	3,298.6	3,301.0	0.0	0.0	53,218.7	50,667.2
Georgia	7,992.9	7,992.9	7,803.2	7,791.0	842.9	842.9	8,416.0	9,398.5	83.8	83.8	945.4	945.4	0.0	0.0	26,084.2	27,054.5
Maryland	2,845.7	2,849.1	1,999.9	1,994.0	1,416.1	1,513.1	4,270.0	4,330.0	0.0	0.0	1,255.6	1,298.2	0.0	0.0	11,787.3	11,984.4
North Carolina	5,514.2	5,068.0	6,050.7	6,050.7	1.0	1.0	10,011.2	10,504.8	0.0	0.0	502.0	502.6	0.0	0.0	22,079.1	22,127.1
South Carolina	3,185.0	3,185.0	2,771.2	2,754.9	535.0	546.0	5,184.0	5,212.0	0.0	0.0	466.9	463.4	0.0	0.0	12,142.1	12,161.3
Virginia	8,868.0	9,233.4	4,245.3	4,245.3	585.3	1,073.3	2,878.9	3,777.5	0.0	0.0	2,340.8	2,345.1	0.0	0.0	18,918.3	20,674.6
West Virginia	0.0	0.0	1,093.4	1,089.6	115.5	115.5	12,568.0	12,568.0	0.0	0.0	11.0	11.0	0.0	0.0	13,787.9	13,784.1
East South Central	21,772.3	21,746.2	12,744.1	12,626.1	4,298.6	4,593.1	22,884.4	24,906.8	0.0	0.0	106.7	117.0	19.8	19.8	61,825.9	64,009.0
Alabama	9,729.8	9,699.0	2,575.8	2,532.2	1,975.6	2,028.4	5,284.3	6,338.7	0.0	0.0	42.6	42.6	19.8	19.8	19,627.9	20,660.7
Kentucky	1,763.0	1,763.0	4,962.6	4,976.6	260.0	260.0	10,310.8	11,278.8	0.0	0.0	11.9	11.9	0.0	0.0	17,308.3	18,290.3
Mississippi	7,824.4	7,829.1	1,373.2	1,336.8	1,996.8	2,238.5	1,444.0	1,444.0	0.0	0.0	9.0	19.3	0.0	0.0	12,647.4	12,867.7
Tennessee	2,455.1	2,455.1	3,832.5	3,780.5	66.2	66.2	5,845.3	5,845.3	0.0	0.0	43.2	43.2	0.0	0.0	12,242.3	12,190.3
West South Central	61,543.3	60,229.5	14,680.1	14,414.9	30,592.4	31,839.4	30,101.8	30,600.4	938.9	954.7	170.5	175.6	838.8	825.8	138,865.8	139,040.3
Arkansas	4,603.4	4,608.8	702.8	702.8	796.0	796.0	5,146.1	5,122.6	0.0	0.0	9.0	12.2	0.0	0.0	11,257.3	11,242.4
Louisiana	8,514.2	7,430.6	2,368.1	2,349.6	6,028.1	6,050.2	2,837.1	2,833.7	875.1	890.9	43.2	43.1	407.4	407.4	21,073.2	20,005.5
Oklahoma	7,311.2	7,307.2	1,632.3	1,686.9	5,706.1	5,764.1	3,246.0	3,322.5	0.0	0.0	74.4	74.4	0.0	0.0	17,970.0	18,155.1
Texas	41,114.5	40,882.9	9,976.9	9,675.6	18,062.2	19,229.1	18,872.6	19,321.6	63.8	63.8	43.9	45.9	431.4	418.4	88,565.3	89,637.3
Mountain	22,554.4	22,539.8	9,136.1	8,639.6	3,543.7	3,615.4	23,726.5	26,765.5	52.0	52.0	349.9	349.9	103.5	103.5	59,466.1	62,065.7
Arizona	9,916.5	9,908.6	2,891.1	2,367.6	1,187.6	1,258.6	3,329.0	5,579.0	0.0	0.0	90.5	90.5	0.0	0.0	17,414.7	19,204.3
Colorado	3,249.5	3,249.5	2,538.0	2,568.1	639.0	639.0	4,340.0	4,440.0	0.0	0.0	166.4	166.4	0.0	0.0	10,932.9	11,063.0
Idaho	547.7	547.7	552.0	552.0	13.5	13.5	8.5	8.5	0.0	0.0	5.4	5.4	0.0	0.0	1,127.1	1,127.1
Montana	0.0	0.0	321.6	321.6	72.2	72.2	1,683.6	2,297.6	52.0	52.0	0.0	0.0	1.5	1.5	2,130.9	2,744.9
Nevada	5,445.0	5,445.0	1,185.6	1,185.6	444.6	444.6	740.4	740.4	0.0	0.0	6.0	6.0	0.0	0.0	7,821.6	7,821.6
New Mexico	1,471.7	1,465.0	957.0	956.9	847.7	846.4	2,640.0	2,640.0	0.0	0.0	48.0	48.0	0.0	0.0	5,964.4	5,956.3
Utah	1,830.0	1,830.0	537.2	534.2	328.2	328.2	4,579.0	4,654.0	0.0	0.0	27.8	27.8	0.0	0.0	7,302.2	7,374.2
Wyoming	94.0	94.0	153.6	153.6	10.9	12.9	6,406.0	6,406.0	0.0	0.0	5.8	5.8	102.0	102.0	6,772.3	6,774.3
Pacific Contiguous	25,768.8	25,869.8	12,002.0	12,099.0	5,420.3	6,957.5	1,982.0	1,982.0	20.0	17.0	469.8	471.4	221.4	221.4	45,884.3	47,618.1
California	19,750.3	19,851.3	11,148.8	11,245.8	5,164.3	6,701.5	57.0	57.0	20.0	17.0	454.6	456.2	221.4	221.4	36,816.4	38,550.2
Oregon	3,382.9	3,382.9	133.8	133.8	224.4	224.4	585.0	585.0	0.0	0.0	0.0	0.0	0.0	0.0	4,326.1	4,326.1
Washington	2,635.6	2,635.6	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	4,741.8	4,741.8
Pacific Noncontiguous	479.2	479.2	631.1	631.1	175.0	175.0	348.9	332.8	0.0	0.0	2,612.3	2,598.7	6.4	6.4	4,252.9	4,223.2
Alaska	479.2	479.2	631.1	631.1	175.0	175.0	168.9	152.8	0.0	0.0	740.4	726.8	0.0	0.0	2,194.6	2,164.9
Hawaii	0.0	0.0	0.0	0.0	0.0	0.0	180.0	180.0	0.0	0.0	1,871.9	1,871.9	6.4	6.4	2,058.3	2,058.3
U.S. Total	270,982.3	263,679.1	129,035.7	127,798.5	75,466.4	79,608.7	227,195.5	239,557.9	1,452.4	1,465.2	30,535.1	30,828.0	2,548.9	2,543.9	737,216.3	745,481.3

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, 2020

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	1	61012	AES Distributed Energy	IPP	AES Tonawanda Solar LLC	NY	63161	TNWDA	2.0	Solar Photovoltaic	SUN	PV
2020	1	63115	AZ Solar 1, LLC	IPP	OE_AZ1	AZ	63349	AZ1	32.5	Solar Photovoltaic	SUN	PV
2020	1	63049	Cannon Garden LLC	IPP	Cannon Garden Solar	MN	63252	CGS	1.0	Solar Photovoltaic	SUN	PV
2020	1	63120	Cubera Solar, LLC	IPP	Cubera Solar, LLC	NC	63346	PGR06	2.0	Solar Photovoltaic	SUN	PV
2020	1	62801	DG Linden New Jersey LLC	IPP	DG Infineum	NJ	62958	INFNM	2.0	Solar Photovoltaic	SUN	PV
2020	1	3046	Duke Energy Progress - (NC)	Electric Utility	Asheville	NC	2706	CT7	153.0	Natural Gas Fired Combined Cycle	NG	CT
2020	1	61785	EDP Renewables North America LLC	IPP	Sun Streams, LLC	AZ	60827	GEN01	160.0	Solar Photovoltaic	SUN	PV
2020	1	60496	Enerparc Inc.	IPP	Brush Solar Center	OR	61844	BRUSH	2.8	Solar Photovoltaic	SUN	PV
2020	1	12685	Entergy Mississippi LLC	Electric Utility	Hinds Energy Facility	MS	55218	H04BS	36.4	Natural Gas Fired Combustion Turbine	NG	GT
2020	1	6452	Florida Power & Light Co	Electric Utility	Babcock Preserve	FL	62634	1	74.5	Solar Photovoltaic	SUN	PV
2020	1	6452	Florida Power & Light Co	Electric Utility	Blue Heron Solar	FL	62631	1	74.5	Solar Photovoltaic	SUN	PV
2020	1	6452	Florida Power & Light Co	Electric Utility	Cattle Ranch	FL	62632	1	74.5	Solar Photovoltaic	SUN	PV
2020	1	6452	Florida Power & Light Co	Electric Utility	Northern Preserve Solar	FL	62645	1	74.5	Solar Photovoltaic	SUN	PV
2020	1	6452	Florida Power & Light Co	Electric Utility	Sweetbay Solar Center	FL	62394	1	74.5	Solar Photovoltaic	SUN	PV
2020	1	6452	Florida Power & Light Co	Electric Utility	Twin Lakes	FL	62633	1	74.5	Solar Photovoltaic	SUN	PV
2020	1	62856	Forefront Power, LLC	IPP	White CSG	MD	63085	15124	2.0	Solar Photovoltaic	SUN	PV
2020	1	61374	Foxtail Wind, LLC	Electric Utility	Foxtail Wind, LLC	ND	61747	1	150.0	Onshore Wind Turbine	WND	WT
2020	1	63114	GA Solar 3, LLC	IPP	OE_GA3	GA	63350	GA3	57.5	Solar Photovoltaic	SUN	PV
2020	1	62062	GD Richmond Buttonwoods I, LLC	IPP	GD Richmond Buttonwoods I, LLC	RI	62567	GDBUT	1.3	Solar Photovoltaic	SUN	PV
2020	1	62061	GD West Greenwich Victory I, LLC	IPP	GD West Greenwich Victory I, LLC	RI	62568	GDVIC	1.8	Solar Photovoltaic	SUN	PV
2020	1	61194	Generate Capital	IPP	Kelly Bridge Road Community Solar Farm	NY	62154	12	2.0	Solar Photovoltaic	SUN	PV
2020	1	61194	Generate Capital	IPP	Sacket Lake Rd #1 Community Solar Farm	NY	62158	11	2.0	Solar Photovoltaic	SUN	PV
2020	1	61728	GlidePath Power Operations LLC	IPP	Prospect Storage	TX	62753	BESS	9.9	Batteries	MWH	BA
2020	1	60025	Greenbacker Renewable Energy Corporation	IPP	Sol Phoenix	MD	62331	SOLPH	2.5	Solar Photovoltaic	SUN	PV
2020	1	54769	INEOS USA LLC	Industrial	Power Island	TX	10154	GEN2	50.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	1	60986	Imperial Valley Solar 2, LLC	IPP	Mount Signal Solar Farm II	CA	61353	IVS2	153.5	Solar Photovoltaic	SUN	PV
2020	1	9417	Interstate Power and Light Co	Electric Utility	Whispering Willow North	IA	62079	1	201.3	Onshore Wind Turbine	WND	WT
2020	1	62838	LSE Dorado, LLC	IPP	Goose Pond Solar	MA	62992	GPNOR	2.0	Solar Photovoltaic	SUN	PV
2020	1	62838	LSE Dorado, LLC	IPP	Goose Pond Solar	MA	62992	GPSOU	2.0	Solar Photovoltaic	SUN	PV
2020	1	12341	MidAmerican Energy Co	Electric Utility	Palo Alto Wind Farm	IA	63053	PAWF	250.0	Onshore Wind Turbine	WND	WT
2020	1	61925	Middlesex-Yates Solar, LLC	IPP	Daum Solar	NY	62412	DAUM	4.0	Solar Photovoltaic	SUN	PV
2020	1	63048	Misae Lessee LLC	IPP	Misae Solar	TX	62249	77777	240.0	Solar Photovoltaic	SUN	PV
2020	1	56990	NJR Clean Energy Ventures Corporation	IPP	Franklin Solar	NJ	63149	FRANK	8.8	Solar Photovoltaic	SUN	PV
2020	1	56990	NJR Clean Energy Ventures Corporation	IPP	Pohatcong Solar Farm	NJ	63150	POHAT	8.0	Solar Photovoltaic	SUN	PV
2020	1	62796	Paulding Wind Farm IV LLC	IPP	Timber Road IV	OH	62944	TRIV	125.1	Onshore Wind Turbine	WND	WT
2020	1	62964	Prawer Community Solar LLC	IPP	Prawer Project CSG	MN	63176	TC3	1.0	Solar Photovoltaic	SUN	PV
2020	1	16191	Robbins Lumber Inc	Industrial	Robbins Lumber	ME	50230	WEG	8.5	Wood/Wood Waste Biomass	WDS	ST
2020	1	60975	SR Innovation, LLC	IPP	SR Innovation - NIKE PV	TN	61332	NIKE2	1.7	Solar Photovoltaic	SUN	PV
2020	1	62966	STAG St. Paul Community Solar LLC	IPP	STAG St. Paul Project CSG	MN	63178	TC3	1.0	Solar Photovoltaic	SUN	PV
2020	1	60531	Standard Solar	IPP	Mtn. Solar 3 CSG	CO	63379	X0134	1.5	Solar Photovoltaic	SUN	PV
2020	1	60531	Standard Solar	IPP	USS Cheyenne Solar LLC CSG	MN	63145	CHYNE	1.0	Solar Photovoltaic	SUN	PV
2020	1	60531	Standard Solar	IPP	USS Greenhouse Solar LLC CSG	MN	63143	GRHSE	1.0	Solar Photovoltaic	SUN	PV
2020	1	60531	Standard Solar	IPP	USS Turkey Solar LLC CSG	MN	63148	TURKY	1.0	Solar Photovoltaic	SUN	PV
2020	1	62906	Syncarpha Questa I, LLC	IPP	Syncarpha Questa	NM	63125	SYNQU	1.6	Solar Photovoltaic	SUN	PV
2020	1	24211	Tucson Electric Power Co	Electric Utility	H Wilson Sundt Generating Station	AZ	126	RIC10	18.2	Natural Gas Internal Combustion Engine	NG	IC
2020	1	24211	Tucson Electric Power Co	Electric Utility	H Wilson Sundt Generating Station	AZ	126	RIC6	18.2	Natural Gas Internal Combustion Engine	NG	IC
2020	1	24211	Tucson Electric Power Co	Electric Utility	H Wilson Sundt Generating Station	AZ	126	RIC7	18.2	Natural Gas Internal Combustion Engine	NG	IC
2020	1	24211	Tucson Electric Power Co	Electric Utility	H Wilson Sundt Generating Station	AZ	126	RIC8	18.2	Natural Gas Internal Combustion Engine	NG	IC
2020	1	24211	Tucson Electric Power Co	Electric Utility	H Wilson Sundt Generating Station	AZ	126	RIC9	18.2	Natural Gas Internal Combustion Engine	NG	IC
2020	1	20854	Winnebago County	Electric CHP	Winnebago County Landfill Gas	WI	50936	EG2R	0.6	Landfill Gas	LFG	IC
2020	2	61670	AES Huntington Beach Energy, LLC	IPP	AES Huntington Beach Energy Project	CA	62116	1A	194.0	Natural Gas Fired Combined Cycle	NG	CT
2020	2	61670	AES Huntington Beach Energy, LLC	IPP	AES Huntington Beach Energy Project	CA	62116	1B	194.0	Natural Gas Fired Combined Cycle	NG	CT
2020	2	61670	AES Huntington Beach Energy, LLC	IPP	AES Huntington Beach Energy Project	CA	62116	1S	215.0	Natural Gas Fired Combined Cycle	NG	CA
2020	2	61608	Agilon Energy Holdings II, LLC	IPP	Victoria City Power LLC	TX	61241	VC-1	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	2	61608	Agilon Energy Holdings II, LLC	IPP	Victoria City Power LLC	TX	61241	VC-2	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	2	62627	Alchemy Renewable Energy	IPP	Duus Solar, LLC	OR	63330	ORDUS	10.0	Solar Photovoltaic	SUN	PV
2020	2	62627	Alchemy Renewable Energy	IPP	Firwood Solar, LLC	OR	63331	ORFWD	10.0	Solar Photovoltaic	SUN	PV
2020	2	16873	City of Sebewaing - (MI)	Electric Utility	Pine Street	MI	7806	7	4.4	Natural Gas Internal Combustion Engine	NG	IC
2020	2	58970	Ecoplexus, Inc	IPP	Grandy PV 1	NC	59518	GRAND	20.0	Solar Photovoltaic	SUN	PV
2020	2	60496	Enerparc Inc.	IPP	Baker City Solar	OR	61854	BAKER	15.0	Solar Photovoltaic	SUN	PV
2020	2	63143	Falls Creek Garden LLC	IPP	Falls Creek Garden	MN	63394	CGS	1.0	Solar Photovoltaic	SUN	PV
2020	2	62856	Forefront Power, LLC	IPP	Howell CSG	NY	63107	1725	2.0	Solar Photovoltaic	SUN	PV

Table 6.3. New Utility Scale Generating Units by Operating Company, Plant, and Month, 2020

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	2	61194	Generate Capital	IPP	Boas Rd #4 Community Solar Farm	NY	62533	1023	2.0	Solar Photovoltaic	SUN	PV
2020	2	61194	Generate Capital	IPP	Burritt Rd Community Solar Farm	NY	62480	635	2.0	Solar Photovoltaic	SUN	PV
2020	2	61194	Generate Capital	IPP	Villa Roma Rd #1	NY	62525	40	2.0	Solar Photovoltaic	SUN	PV
2020	2	61194	Generate Capital	IPP	Villa Roma Rd #2	NY	62526	41	2.0	Solar Photovoltaic	SUN	PV
2020	2	61194	Generate Capital	IPP	Washington St Community Solar Farm #1	NY	62472	617	2.2	Solar Photovoltaic	SUN	PV
2020	2	61194	Generate Capital	IPP	Washington St Community Solar Farm #4	NY	62471	1034	2.5	Solar Photovoltaic	SUN	PV
2020	2	63228	Gohman Community Solar LLC	IPP	Gohman Community Solar	MN	63484	GOHMN	1.1	Solar Photovoltaic	SUN	PV
2020	2	62106	Hidalgo Wind Farm II LLC	IPP	Hidalgo Wind Farm II	TX	62618	WT	50.4	Onshore Wind Turbine	WND	WT
2020	2	54769	INEOS USA LLC	Industrial	Power Island	TX	10154	GEN3	50.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	2	61620	IOS II LLC	IPP	IOS II-LAX9	CA	63414	IOSII	3.7	Solar Photovoltaic	SUN	PV
2020	2	9417	Interstate Power and Light Co	Electric Utility	Marshalltown Generating Station	IA	58236	PV1	2.6	Solar Photovoltaic	SUN	PV
2020	2	49893	Invenergy Services LLC	IPP	Camilla Solar Energy Project	GA	61785	CAMSR	171.4	Solar Photovoltaic	SUN	PV
2020	2	63213	Jemez Cuba LLC	IPP	Alcalde Solar Array	NM	63477	SOLAR	2.4	Solar Photovoltaic	SUN	PV
2020	2	61957	Kearny Mesa Storage LLC	IPP	Kearny Mesa Storage LLC	CA	62441	U1	1.0	Batteries	MWH	BA
2020	2	63158	Loon Garden LLC	IPP	Loon Garden	MN	63397	CGS	1.0	Solar Photovoltaic	SUN	PV
2020	2	62915	Madison Energy Holdings LLC	IPP	Goodhue Community Solar One LLC CSG	MN	63380	52829	1.0	Solar Photovoltaic	SUN	PV
2020	2	62915	Madison Energy Holdings LLC	IPP	Goodhue Community Solar Three LLC CSG	MN	63417	52831	1.0	Solar Photovoltaic	SUN	PV
2020	2	12341	MidAmerican Energy Co	Electric Utility	Arbor Hill Wind Farm	IA	62132	1	60.0	Onshore Wind Turbine	WND	WT
2020	2	62832	Novel Herber Solar LLC CSG	IPP	Novel Herber Solar CSG	MN	62966	HERB	1.0	Solar Photovoltaic	SUN	PV
2020	2	60531	Standard Solar	IPP	USS Midtown Solar LLC CSG	MN	63146	MDTWN	1.0	Solar Photovoltaic	SUN	PV
2020	2	63144	Star Garden LLC	IPP	Star Garden	MN	63395	CGS	1.0	Solar Photovoltaic	SUN	PV
2020	2	63131	Strandness Garden LLC	IPP	Strandness Garden	MN	63367	CGS	1.0	Solar Photovoltaic	SUN	PV
2020	2	18454	Tampa Electric Co	Electric Utility	Little Manatee River Solar	FL	62750	GEN1	74.5	Solar Photovoltaic	SUN	PV
2020	2	60947	Tesla Inc.	IPP	Walnut Unified School District Walnut HS	CA	63510	PV1	1.8	Solar Photovoltaic	SUN	PV
2020	2	60947	Tesla Inc.	IPP	Walnut Unified School District Walnut HS	CA	63510	ST1	0.5	Batteries	MWH	BA
2020	2	19511	University of Alaska	Commercial	University of Alaska Fairbanks	AK	50711	GEN5	17.0	Conventional Steam Coal	SUB	ST
2020	2	62701	Vista Solar, Inc.	IPP	Shelter Creek Condominiums Solar	CA	62806	SCC01	2.4	Solar Photovoltaic	SUN	PV
2020	2	57354	X-Elio North America Inc	IPP	Lily Solar	SC	63548	1	70.0	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, 2020

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	1	3046	Duke Energy Progress - (NC)	Electric Utility	Asheville	NC	2706	1	189.0	Conventional Steam Coal	BIT	ST
2020	1	3046	Duke Energy Progress - (NC)	Electric Utility	Asheville	NC	2706	2	189.0	Conventional Steam Coal	BIT	ST
2020	1	9155	Inland Empire Energy Ctr LLC	IPP	Inland Empire Energy Center	CA	55853	1	345.0	Natural Gas Fired Combined Cycle	NG	CS
2020	1	9155	Inland Empire Energy Ctr LLC	IPP	Inland Empire Energy Center	CA	55853	2	345.0	Natural Gas Fired Combined Cycle	NG	CS
2020	1	15298	Talen Montana LLC	IPP	Colstrip	MT	6076	1	307.0	Conventional Steam Coal	SUB	ST
2020	1	15298	Talen Montana LLC	IPP	Colstrip	MT	6076	2	307.0	Conventional Steam Coal	SUB	ST
2020	1	18642	Tennessee Valley Authority	Electric Utility	Paradise	KY	1378	3	971.0	Conventional Steam Coal	BIT	ST
2020	1	2770	Terra-Gen Operating Co-Wind	IPP	Difwind Farms Ltd I	CA	54681	EXIS	7.3	Onshore Wind Turbine	WND	WT
2020	1	2770	Terra-Gen Operating Co-Wind	IPP	Difwind Farms Ltd II	CA	54682	EXIS	5.4	Onshore Wind Turbine	WND	WT
2020	1	2770	Terra-Gen Operating Co-Wind	IPP	Difwind Farms Ltd V	CA	54685	EXIS	11.6	Onshore Wind Turbine	WND	WT
2020	1	2770	Terra-Gen Operating Co-Wind	IPP	Terra-Gen 251 Wind LLC	CA	52161	WGNS	18.4	Onshore Wind Turbine	WND	WT
2020	1	2770	Terra-Gen Operating Co-Wind	IPP	Victory Garden Phase IV LLC	CA	52160	WGNS	22.0	Onshore Wind Turbine	WND	WT
2020	2	57463	Kimberly-Clark Worldwide Inc	Industrial	Fullerton Mill CHP	CA	58083	GTG1	12.0	Natural Gas Fired Combined Cycle	NG	CT
2020	2	57463	Kimberly-Clark Worldwide Inc	Industrial	Fullerton Mill CHP	CA	58083	STG1	1.0	Natural Gas Fired Combined Cycle	NG	CA
2020	2	2770	Terra-Gen Operating Co-Wind	IPP	Dutch Wind Energy	CA	57301	DEC	8.0	Onshore Wind Turbine	WND	WT

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)
2020	3	60571	AEP Onsite Partners	IPP	Galesburg Solar Array	IL	63399	GWA01	1.4	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.4
2020	3	61669	AES Alamitos Energy, LLC	IPP	AES Alamitos Energy Center	CA	62115	1A	194.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	231.0
2020	3	61669	AES Alamitos Energy, LLC	IPP	AES Alamitos Energy Center	CA	62115	1B	194.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	231.0
2020	3	61669	AES Alamitos Energy, LLC	IPP	AES Alamitos Energy Center	CA	62115	1S	215.0	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	216.0
2020	3	61012	AES Distributed Energy	IPP	Cronin Road Solar 1, LLC	MA	63011	CRONI	1.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.5
2020	3	61012	AES Distributed Energy	IPP	Finchville Solar, LLC	NY	62999	FINCH	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0
2020	3	61012	AES Distributed Energy	IPP	Hurteau Solar Project	MA	63468	BATT	1.3	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	1.3
2020	3	61012	AES Distributed Energy	IPP	Hurteau Solar Project	MA	63468	HURTU	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2020	3	61012	AES Distributed Energy	IPP	Partridge Hill Solar	MA	63264	PART3	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2020	3	61012	AES Distributed Energy	IPP	Partridge Solar Project	MA	63435	BATT	1.3	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	1.3
2020	3	61012	AES Distributed Energy	IPP	Partridge Solar Project	MA	63435	PRTDG	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2020	3	61012	AES Distributed Energy	IPP	Ryan Road Solar LLC	MA	63044	ORCHA	4.3	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.3
2020	3	55918	Acciona Wind Energy USA LLC	IPP	Palmas Wind, LLC	TX	61773	PW	142.6	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	144.9
2020	3	59496	Allete Clean Energy	IPP	South Peak Wind	MT	62939	41001	80.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	80.0
2020	3	60281	Altus Power America Management, LLC	IPP	FastSun 10 CSG	MN	63038	FS10	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2020	3	60281	Altus Power America Management, LLC	IPP	FastSun 11 CSG	MN	63037	FS11	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2020	3	60281	Altus Power America Management, LLC	IPP	FastSun 9 CSG	MN	63040	FS9	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2020	3	60146	Ameresco Federal Solutions	IPP	NASA Wallops Flight Facility Solar	VA	62948	CRPT5	0.1	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.1
2020	3	60146	Ameresco Federal Solutions	IPP	NASA Wallops Flight Facility Solar	VA	62948	CRPT6	0.1	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.1
2020	3	60146	Ameresco Federal Solutions	IPP	NASA Wallops Flight Facility Solar	VA	62948	CRPT7	0.1	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.1
2020	3	60146	Ameresco Federal Solutions	IPP	NASA Wallops Flight Facility Solar	VA	62948	TRCK1	4.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	4.0
2020	3	15399	Avangrid Renewables LLC	IPP	Otter Creek Wind Farm LLC	IL	61344	WT1	150.0	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	150.0
2020	3	56953	Bos Dairy, LLC	Industrial	Bos Dairy, LLC	IN	57625	BOS4	0.9	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	1.0
2020	3	63157	Buffalo Garden LLC	IPP	Buffalo Garden	MN	63396	CGS	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2020	3	59365	Capital Power Corporation	IPP	Cardinal Point LLC	IL	59902	GEN	150.0	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	150.0
2020	3	60656	Chestnut Solar LLC	IPP	Chestnut Solar	NC	61011	PV1	74.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.9
2020	3	63177	Chub Garden LLC	IPP	Chub Garden Solar	MN	63430	CGS	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2020	3	7626	City of Greenfield - (IA)	Electric Utility	Greenfield	IA	1144	1	2.5	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	2.5
2020	3	7626	City of Greenfield - (IA)	Electric Utility	Greenfield	IA	1144	2	2.5	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	2.5
2020	3	18488	City of Taunton	Electric Utility	Cleary Flood Hybrid	MA	1682	BS1	2.9	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	3.0
2020	3	62855	Clear Creek Wind, LLC	IPP	Clear Creek Wind	MO	63025	V110	22.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	22.0
2020	3	62855	Clear Creek Wind, LLC	IPP	Clear Creek Wind	MO	63025	V120	220.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	220.0
2020	3	56769	Consolidated Edison Development Inc.	IPP	CED Mason City Wind	IA	63521	MCW1	7.5	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	7.5
2020	3	56769	Consolidated Edison Development Inc.	IPP	Lakehurst Solar	NJ	63503	LAKHS	9.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	9.6
2020	3	56534	Cricket Valley Energy Center LLC	IPP	Cricket Valley Energy	NY	57185	U001	143.3	Natural Gas Fired Combined Cycle	NG	CA	(TS) Construction complete, but not yet in commercial operation	174.2
2020	3	56534	Cricket Valley Energy Center LLC	IPP	Cricket Valley Energy	NY	57185	U002	143.3	Natural Gas Fired Combined Cycle	NG	CA	(TS) Construction complete, but not yet in commercial operation	174.2
2020	3	56534	Cricket Valley Energy Center LLC	IPP	Cricket Valley Energy	NY	57185	U003	143.3	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	174.2
2020	3	56534	Cricket Valley Energy Center LLC	IPP	Cricket Valley Energy	NY	57185	U004	195.4	Natural Gas Fired Combined Cycle	NG	CT	(TS) Construction complete, but not yet in commercial operation	263.3
2020	3	56534	Cricket Valley Energy Center LLC	IPP	Cricket Valley Energy	NY	57185	U005	195.4	Natural Gas Fired Combined Cycle	NG	CT	(TS) Construction complete, but not yet in commercial operation	263.3
2020	3	56534	Cricket Valley Energy Center LLC	IPP	Cricket Valley Energy	NY	57185	U006	195.4	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	263.3
2020	3	62800	DG Edison New Jersey LLC	IPP	DG Iron Mountain	NJ	62957	IRNMT	5.4	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.4
2020	3	5109	DTE Electric Company	Electric Utility	Polaris Wind Park	MI	62290	1	168.6	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	168.6
2020	3	6455	Duke Energy Florida, LLC	Electric Utility	Columbia Solar Power Plant	FL	61982	PV1	74.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.9
2020	3	15470	Duke Energy Indiana, LLC	Electric Utility	Nabb Battery Energy Storage System	IN	62862	ES1	5.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	5.0
2020	3	3046	Duke Energy Progress - (NC)	Electric Utility	Asheville	NC	2706	ST8	102.0	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	102.8
2020	3	61420	ENGIE Storage Services NA LLC	Commercial	Pacific Union College BESS	CA	61795	12649	1.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	1.0
2020	3	39347	East Texas Electric Coop, Inc	Electric Utility	RC Thomas Hydroelectric Project	TX	58645	RCT1	8.7	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	8.9
2020	3	39347	East Texas Electric Coop, Inc	Electric Utility	RC Thomas Hydroelectric Project	TX	58645	RCT2	8.7	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	8.9
2020	3	39347	East Texas Electric Coop, Inc	Electric Utility	RC Thomas Hydroelectric Project	TX	58645	RCT3	8.7	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	8.9
2020	3	58135	Ecos Energy LLC	IPP	Plainfield Solar 2	CT	63263	PLFD2	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2020	3	60496	Enerparc Inc.	IPP	Morgan Solar Center	OR	61855	MORGN	3.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	3.0
2020	3	60496	Enerparc Inc.	IPP	Ontario Solar Center	OR	61860	ONTRO	3.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	3.0
2020	3	60496	Enerparc Inc.	IPP	Vale Solar Center	OR	61856	VALE	3.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	3.0
2020	3	13478	Entergy New Orleans, LLC	Electric Utility	New Orleans Power	LA	60928	1	250.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	250.0
2020	3	63176	Erin Garden LLC	IPP	Erin Garden Solar	MN	63429	CSG	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2020	3	62856	Forefront Power, LLC	IPP	DGS Wasco State Prison	CA	63418	1122	2.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.3
2020	3	62856	Forefront Power, LLC	IPP	Fresno Hoover High School	CA	63421	291	1.2	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.2
2020	3	62856	Forefront Power, LLC	IPP	Fresno Hoover High School	CA	63421	BA291	0.2	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	0.2
2020	3	62856	Forefront Power, LLC	IPP	Reed Road Solar	IL	63071	1822	1.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.3
2020	3	62856	Forefront Power, LLC	IPP	Square Barn Solar	IL	63070	1820	1.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.5
2020	3	6541	Formosa Plastics Corp	Industrial	Formosa Utility Venture Ltd	TX	10554	3TBG2	97.0	Natural Gas Fired Combined Cycle	NG	CT	(TS) Construction complete, but not yet in commercial operation	102.0
2020	3	62046	High Lonesome Wind Power, LLC	IPP	High Lonesome Wind Power, LLC	TX	62562	HILO	449.5	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	449.5
2020	3	62046	High Lonesome Wind Power, LLC	IPP	High Lonesome Wind Power, LLC	TX	62562	HILO2	50.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	50.0
2020	3	9417	Interstate Power and Light Co	Electric Utility	Golden Plains	IA	62081	1	198.8	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	198.8
2020	3	63001	MN CSG 2, LLC	IPP	Woodbury Solar	MN	63231	PV	3.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	3.0
2020	3	62085	Mesquite Star LLC	IPP	Mesquite Star	TX	62587	MESQ	418.9	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	418.9
2020	3	63175	Mud Garden LLC	IPP	Mud Garden Solar	MN	63427	CGS	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2020	3	62837	Novel DeCook Solar LLC CSG	IPP	Novel DeCook Solar CSG	MN	62979	DECO	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2020	3	62864	Novel Haley Solar LLC CSG	IPP	Novel Haley Solar CSG	MN	63005	HALY	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2020	3	62644	OEE XXVIII LLC	Industrial	LafargeHolcim - Paulding Wind Project	OH	62752	L1	1.5	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	1.5
2020	3	62644	OEE XXVIII LLC	Industrial	LafargeHolcim - Paulding Wind Project	OH	62752	L2	1.5	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	1.5
2020	3	62644	OEE XXVIII LLC	Industrial	LafargeHolcim - Paulding Wind Project	OH	62752	L3	1.5	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	1.5
2020	3	62128	OEE XXX LLC	Industrial	Zephyr Wind Project - 2.0	OH	62653	T1	1.5	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	1.5
2020	3	62128	OEE XXX LLC	Industrial	Zephyr Wind Project - 2.0	OH	62653	T2	1.5	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	1.5
2020	3	62128	OEE XXX LLC	Industrial	Zephyr Wind Project - 2.0	OH	62653	T3	1.5	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	1.5
2020	3	61758	Prevailing Wind Park, LLC	IPP	Prevailing Wind Park	SD	62247	PWPSD	220.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	220.0
2020	3	56215	RWE Renewables Americas LLC	IPP	Peyton Creek Wind Farm LLC	TX	62417	WT1	220.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	220.0
2020	3	62047	Roadrunner Solar, LLC	IPP	Roadrunner, LLC	TX	62561	RODR1	200.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	200.0
2020	3	63187	Rush Springs Energy Storage	IPP	Rush Springs Energy Storage (BA)	OK	63458	RUSHE	10.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	10.0
2020	3	60163	Soltage LLC	IPP	Ace Solar	SC	61937	18	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2020	3	62971	South Energy Investments LLC	IPP	South Windsor Fuel Cell	CT	63302	SWFC5	5.0	Other Natural Gas	NG	FC	(TS) Construction complete, but not yet in commercial operation	5.0
2020	3	17650	Southern Power Co	IPP	Reading Wind Project	KS	60999	READW	200.1	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	200.1
2020	3	60531	Standard Solar	IPP	NY 26 Carthage	NY	63224	X0140	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2020	3	60531	Standard Solar	IPP	USS Mayhew Solar LLC CSG	MN	63144	MAYHW	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	3	60531	Standard Solar	IPP	USS Milkweed Solar LLC CSG	MN	63142	MLKWD	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	3	60531	Standard Solar	IPP	USS Monarch Solar LLC CSG	MN	63147	MNRCH	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2020	3	60531	Standard Solar	IPP	USS Sunrise Solar LLC CSG	MN	63141	SNRSE	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	3	63171	Straight Garden LLC	IPP	Straight Garden Solar	MN	63424	CGS	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2020	3	18454	Tampa Electric Co	Electric Utility	Wimauma Solar	FL	61667	1	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.5
2020	3	24211	Tucson Electric Power Co	Electric Utility	H Wilson Sundt Generating Station	AZ	126	RIC1	18.2	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	23.5
2020	3	24211	Tucson Electric Power Co	Electric Utility	H Wilson Sundt Generating Station	AZ	126	RIC2	18.2	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	23.5
2020	3	24211	Tucson Electric Power Co	Electric Utility	H Wilson Sundt Generating Station	AZ	126	RIC3	18.2	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	23.5
2020	3	24211	Tucson Electric Power Co	Electric Utility	H Wilson Sundt Generating Station	AZ	126	RIC4	18.2	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	23.5
2020	3	24211	Tucson Electric Power Co	Electric Utility	H Wilson Sundt Generating Station	AZ	126	RIC5	18.2	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	23.5
2020	3	20323	Wellhead Energy, LLC	IPP	Stanton Energy Reliability Center	CA	60698	GT1	45.9	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	60.5
2020	3	20323	Wellhead Energy, LLC	IPP	Stanton Energy Reliability Center	CA	60698	GT2	45.9	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	60.5
2020	3	62103	Whitney Hill Wind Power LLC	IPP	Whitney Hill Wind Power LLC	IL	62606	WTHWP	65.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	65.0
2020	4	61012	AES Distributed Energy	IPP	Cycz Solar Project	MA	63472	BATT	1.3	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	1.3
2020	4	61012	AES Distributed Energy	IPP	Cycz Solar Project	MA	63472	CYCZ	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2020	4	61012	AES Distributed Energy	IPP	Lane Ave Solar LLC	MA	63041	HANRA	1.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.5
2020	4	61012	AES Distributed Energy	IPP	McDougle-Mitchell Solar Project	MA	63470	BATT	2.9	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	2.9
2020	4	61012	AES Distributed Energy	IPP	McDougle-Mitchell Solar Project	MA	63470	MCDMT	4.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	4.5
2020	4	60366	BRE NC Solar 2, LLC	IPP	BRE NC Solar 2	NC	60626	BEAM2	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2020	4	60367	BRE NC Solar 3, LLC	IPP	BRE NC Solar 3	NC	60627	BEAM3	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2020	4	60289	Blazing Star Wind Farm, LLC	IPP	Blazing Star Wind Farm 1	MN	60504	BLZG1	200.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	200.0
2020	4	62772	CA ODEVI LLC	IPP	Windsor Floating Solar	CA	62902	WUS15	1.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.5
2020	4	62835	Caden Energix Hickory LLC	IPP	Caden Energix Hickory LLC	VA	63084	ENX02	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2020	4	62835	Caden Energix Hickory LLC	IPP	Caden Energix Hickory LLC	VA	63084	ENX03	12.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	12.0
2020	4	62834	Caden Energix Pamplin LLC	IPP	Caden Energix Pamplin LLC	VA	63083	ENX04	15.7	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	15.7
2020	4	62900	Caden Energix Rives Road LLC	IPP	Caden Energix Rives Road LLC	VA	63087	ENX01	19.7	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	19.7
2020	4	10623	City of Lakeland - (FL)	Electric Utility	C D McIntosh Jr	FL	676	GT2	115.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	135.0
2020	4	59550	Croda Inc.	Industrial	Croda Atlas Point CHP	DE	59783	91199	2.0	Landfill Gas	LFG	IC	(U) Under construction, less than or equal to 50 percent complete	2.0
2020	4	61060	Cypress Creek Renewables	IPP	Huntley	SC	63271	1295	75.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	75.0
2020	4	60853	ET CAP OR HOLDINGS LLC	IPP	OR Solar 2, LLC	OR	61200	ORSR2	10.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	10.0
2020	4	56201	Engie North America	IPP	East Fork Wind Project, LLC	KS	62220	WTGS	195.8	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	195.8
2020	4	56201	Engie North America	IPP	Jumbo Hill Wind Project	TX	62630	WTGS1	160.7	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	160.7
2020	4	63081	Exus North America Management Partners LLC	IPP	Bearkat II Wind Energy LLC	TX	63342	BKII	162.1	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	162.1
2020	4	6452	Florida Power & Light Co	Electric Utility	Echo River Solar	FL	62490	1	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.5
2020	4	6452	Florida Power & Light Co	Electric Utility	Hibiscus Solar Energy Center	FL	62206	1	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.5
2020	4	6452	Florida Power & Light Co	Electric Utility	Okeechobee Solar	FL	62491	1	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.5
2020	4	6452	Florida Power & Light Co	Electric Utility	Southfork Solar	FL	62493	1	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.5
2020	4	62856	Forefront Power, LLC	IPP	Fresno Bullard High School	CA	63420	903	1.2	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.2
2020	4	6541	Formosa Plastics Corp	Industrial	Formosa Utility Venture Ltd	TX	10554	3TBG1	97.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	102.0
2020	4	61944	GSRP	IPP	Chevron - Lost Hills	CA	63545	GEN1	30.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	30.0
2020	4	61944	GSRP	IPP	Lafayette 2 - Internal Services Dept	CA	63527	GEN1	1.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.9
2020	4	61194	Generate Capital	IPP	Washington St Community Solar Farm #3	NY	62473	1035	2.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.5
2020	4	60025	Greenbacker Renewable Energy Corporation	IPP	Blue Star	MD	62332	BLUES	7.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	7.5
2020	4	60025	Greenbacker Renewable Energy Corporation	IPP	IGS CC, LLC	DC	63428	254	1.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.5
2020	4	60025	Greenbacker Renewable Energy Corporation	IPP	Renew Solar ABC Sacramento LLC	CA	62545	SACRA	1.7	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.7
2020	4	62638	Helen Solar LLC	IPP	Helen Solar CSG	MN	62706	SC	4.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.0
2020	4	60659	Hickory Run Energy, LLC	IPP	Hickory Run Energy Station	PA	61028	CTG1	283.0	Natural Gas Fired Combined Cycle	NG	CT	(TS) Construction complete, but not yet in commercial operation	311.0
2020	4	60659	Hickory Run Energy, LLC	IPP	Hickory Run Energy Station	PA	61028	CTG2	283.0	Natural Gas Fired Combined Cycle	NG	CT	(TS) Construction complete, but not yet in commercial operation	311.0
2020	4	60659	Hickory Run Energy, LLC	IPP	Hickory Run Energy Station	PA	61028	STG1	437.0	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	450.0
2020	4	9234	Indiana Municipal Power Agency	Electric Utility	Scottsburg Solar Park	IN	62766	SCCOT	7.1	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	7.1
2020	4	49893	Invenergy Services LLC	IPP	Beech Ridge II Wind Energy Center	WV	62482	GEN1	56.2	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	56.2
2020	4	10273	Kimberly-Clark Corp	Industrial	Chester Operations	PA	50410	6	14.1	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	17.3
2020	4	63172	Leven Garden LLC	IPP	Leven Garden Solar	MN	63425	CGS	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2020	4	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Johnson Corner Solar 1	KS	62993	KSJC1	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2020	4	62915	Madison Energy Holdings LLC	IPP	Goodhue Community Solar Two LLC	MN	63533	52830	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2020	4	62915	Madison Energy Holdings LLC	IPP	Nicollet Community Solar One LLC	MN	63120	52828	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2020	4	63174	Maston Garden LLC	IPP	Maston Garden Solar	MN	63434	CGS	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2020	4	62640	Northfield Solar LLC	IPP	Northfield Solar CSG	MN	62708	SC	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2020	4	62863	Novel Bartel Solar LLC CSG	IPP	Novel Bartel Solar CSG	MN	63004	BART	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2020	4	62849	Novel Byron Solar LLC CSG	IPP	Novel Byron Solar CSG	MN	62985	BYRN	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2020	4	62833	Novel Herickhoff Solar LLC CSG	IPP	Novel Herickhoff Solar CSG	MN	62967	HERIC	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2020	4	62788	Oberon Solar IA	IPP	Oberon IA	TX	62933	OBR1A	150.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	150.0
2020	4	62789	Oberon Solar IB	IPP	Oberon IB	TX	62932	OBR1B	30.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	30.0
2020	4	62009	Palmer Solar LLC	IPP	Palmer Solar	CO	62495	20181	60.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	60.0
2020	4	16380	RTC Properties Inc	Commercial	River Terminal Development Solar	NJ	60843	RTD6	0.2	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.2
2020	4	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
2020	4	63189	Rock County Wind Fuel, LLC	IPP	Rock County Wind Fuel, LLC	MN	63460	RCWF	5.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	5.0
2020	4	62113	Sage Draw Wind, LLC	IPP	Sage Draw Wind	TX	62620	SD	338.4	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	338.4
2020	4	63119	Scotch Bonnet Solar, LLC	IPP	Scotch Bonnet Solar, LLC	NC	63345	PGR07	4.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.5
2020	4	17164	Sierra Pacific Industries Inc	Industrial	Sierra Pacific Industries (2042-RD)	CA	63416	GEN1	8.4	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	8.4
2020	4	62905	Syncarpha Taos I, LLC	IPP	Syncarpha Taos	NM	63123	SYNTA	3.1	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.1
2020	4	62828	TWE Bowman Solar Project, LLC	IPP	TWE Bowman Solar Project	SC	62828	BOW	73.1	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	75.0
2020	4	61980	Valta Energy	IPP	Mauka FIT One	HI	58662	3501	3.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.5
2020	4	62637	Walcott Solar LLC	IPP	Walcott Solar CSG	MN	62707	SC	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2020	4	62641	Warsaw Solar LLC	IPP	Warsaw Solar CSG	MN	62709	SC	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2020	4	63173	Zumbro Garden LLC	IPP	Zumbro Solar Garden	MN	63426	CGS	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2020	5	61012	AES Distributed Energy	IPP	Allis Medina Solar LLC	NY	63129	ALLIS	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2020	5	61012	AES Distributed Energy	IPP	Beals Medina Solar LLC	NY	63130	BEALS	3.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	3.5
2020	5	59844	Blythe Solar III, LLC	IPP	Blythe Solar III, LLC	CA	60094	BLSL3	136.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	136.8
2020	5	59845	Blythe Solar IV, LLC	IPP	Blythe Solar IV, LLC	CA	60095	BLS4A	68.7	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	68.7
2020	5	59845	Blythe Solar IV, LLC	IPP	Blythe Solar IV, LLC	CA	60095	BLS4B	68.7	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	68.7
2020	5	17568	Cooperative Energy	Electric Utility	Benndale	MS	2068	BENU1	11.3	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	14.2

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	5	17568	Cooperative Energy	Electric Utility	Benndale	MS	2068	BENU2	11.3	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	14.2
2020	5	60370	DG AMP Solar, LLC	IPP	DG AMP Rittman Rd	OH	62941	AMPRR	2.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.6
2020	5	61610	Delaware River Solar, LLC	IPP	Route 19 #1 Community Solar Farm	NY	62500	1258	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	5	61610	Delaware River Solar, LLC	IPP	Route 19 #2 Community Solar Farm	NY	62502	1415	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2020	5	61610	Delaware River Solar, LLC	IPP	Route 22 Community Solar Farm	NY	62524	1444	3.7	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.7
2020	5	61610	Delaware River Solar, LLC	IPP	Telegraph Rd #1 Community Solar Farm	NY	62496	1268	3.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.8
2020	5	61610	Delaware River Solar, LLC	IPP	Telegraph Rd #2 Community Solar Farm	NY	62498	1413	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	5	6455	Duke Energy Florida, LLC	Electric Utility	Debary Solar Power Plant	FL	62542	PV1	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.5
2020	5	62852	ESA Hamlet NC LLC	IPP	ESA Hamlet NC , LLC	NC	63377	PGR10	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2020	5	62856	Forefront Power, LLC	IPP	Fresno Bullard High School	CA	63420	BA903	0.4	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	0.4
2020	5	62856	Forefront Power, LLC	IPP	Fresno Sunnyside High School	CA	63422	1122	1.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.6
2020	5	62856	Forefront Power, LLC	IPP	Fresno Sunnyside High School	CA	63422	BA112	0.3	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	0.3
2020	5	62856	Forefront Power, LLC	IPP	Harmony Road Solar	IL	63069	1823	1.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.9
2020	5	62856	Forefront Power, LLC	IPP	Mooseheart School Solar	IL	63073	1817	2.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.0
2020	5	6541	Formosa Plastics Corp	Industrial	Formosa Utility Venture Ltd	TX	10554	3ST1	38.0	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	40.0
2020	5	61944	GSRP	IPP	Lafayette 2 - MLK Jr. Hospital (MLK)	CA	63623	GEN1	1.7	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.7
2020	5	7140	Georgia Power Co	Electric Utility	Kings Bay Solar Facility	GA	59864	BESS	1.5	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	1.5
2020	5	7140	Georgia Power Co	Electric Utility	Moody Air Force Base Solar	GA	62377	1	49.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	49.5
2020	5	60719	Harvest Ridge Wind Farm	IPP	Broadlands Wind Farm	IL	61161	GEN01	300.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	300.0
2020	5	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
2020	5	9234	Indiana Municipal Power Agency	Electric Utility	Gas City Solar Park	IN	62767	SGASC	2.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.5
2020	5	9234	Indiana Municipal Power Agency	Electric Utility	Tell City Solar Park	IN	62790	STEL2	3.2	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.2
2020	5	63244	KSI II Consolidated, LLC	IPP	County Route 11 Community Solar Farm	NY	62507	1419	4.1	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.1
2020	5	63244	KSI II Consolidated, LLC	IPP	Frey Rd #1 Community Solar Farm	NY	62504	1159	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	5	63244	KSI II Consolidated, LLC	IPP	Frey Rd #2 Community Solar Farm	NY	62521	1442	1.4	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.4
2020	5	63244	KSI II Consolidated, LLC	IPP	Furnace Rd Community Solar Farm	NY	62508	1420	3.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.0
2020	5	62915	Madison Energy Holdings LLC	IPP	Houston/Winona Community Solar One LLC	MN	63534	52827	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2020	5	56990	NJR Clean Energy Ventures Corporation	IPP	Campus Drive Solar	NJ	63334	CAMPS	3.7	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.7
2020	5	63185	Neighborhood Power Corp.	IPP	St Louis Solar	OR	63456	W9319	2.2	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.2
2020	5	62865	Novel Holmquist Solar LLC CSG	IPP	Novel Holmquist Solar CSG	MN	63006	HOLM	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	5	62866	Novel MNDot Solar LLC CSG	IPP	Novel MNDot Solar CSG	MN	63007	MNDT	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	5	62867	Novel Winegar Partnership Solar CSG	IPP	Novel Winegar Partnership Solar CSG	MN	63008	WINE	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	5	63183	Oxy Renewable Energy LLC	IPP	Oxy Renewable Energy - Goldsmith	TX	63388	SOLAR	16.8	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	16.8
2020	5	63164	Robin Solar, LLC	IPP	Robin Solar	NC	60165	PV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2020	5	61634	SR Terrell, LLC	IPP	SR Terrell	GA	62058	TERRL	74.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.0
2020	5	16657	San Jose/Santa Clara Water P C	Commercial	SJ/SC WPCP	CA	56080	EG4	3.5	Other Waste Biomass	OBG	IC	(U) Under construction, less than or equal to 50 percent complete	3.5
2020	5	16657	San Jose/Santa Clara Water P C	Commercial	SJ/SC WPCP	CA	56080	EG5	3.5	Other Waste Biomass	OBG	IC	(U) Under construction, less than or equal to 50 percent complete	3.5
2020	5	16657	San Jose/Santa Clara Water P C	Commercial	SJ/SC WPCP	CA	56080	EG6	3.5	Other Waste Biomass	OBG	IC	(U) Under construction, less than or equal to 50 percent complete	3.5
2020	5	16657	San Jose/Santa Clara Water P C	Commercial	SJ/SC WPCP	CA	56080	EG7	3.5	Other Waste Biomass	OBG	IC	(U) Under construction, less than or equal to 50 percent complete	3.5
2020	5	60531	Standard Solar	IPP	USS Christoffer Solar LLC CSG	MN	63152	CHRST	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	5	60531	Standard Solar	IPP	USS Solar Sources LLC CSG	MN	63151	SOURC	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	5	60531	Standard Solar	IPP	USS Westeros Solar LLC CSG	MN	63140	USSWS	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	5	60970	SunShare Management	IPP	Linden 01 CSG	MN	63179	KANE1	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2020	5	60970	SunShare Management	IPP	Linden 02 CSG	MN	63182	LIND2	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2020	5	60970	SunShare Management	IPP	Linden 03 CSG	MN	63183	LIND3	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2020	5	58658	Sunlight Partners	IPP	Cash Solar	NC	60178	PV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2020	5	62822	Syncarpha Blandford, LLC	IPP	Syncarpha Blandford Hybrid CSG	MA	62975	SYBLB	3.5	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	3.5
2020	5	62919	TPE King Solar Holdings1 LLC	IPP	King CSG	RI	63135	KING1	7.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	7.0
2020	5	62919	TPE King Solar Holdings1 LLC	IPP	King CSG	RI	63135	KING2	7.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	7.8
2020	5	58106	Western Michigan University	Commercial	Western Michigan University Power Plant	MI	58161	EG-10	2.5	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	2.5
2020	5	58106	Western Michigan University	Commercial	Western Michigan University Power Plant	MI	58161	EG-9	2.5	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	2.5
2020	5	20856	Wisconsin Power & Light Co	Electric Utility	Riverside Energy Center	WI	55641	CTG3	225.0	Natural Gas Fired Combined Cycle	NG	CT	(TS) Construction complete, but not yet in commercial operation	232.9
2020	5	20856	Wisconsin Power & Light Co	Electric Utility	Riverside Energy Center	WI	55641	CTG4	225.0	Natural Gas Fired Combined Cycle	NG	CT	(TS) Construction complete, but not yet in commercial operation	232.9
2020	5	20856	Wisconsin Power & Light Co	Electric Utility	Riverside Energy Center	WI	55641	STG2	250.0	Natural Gas Fired Combined Cycle	NG	CA	(TS) Construction complete, but not yet in commercial operation	257.4
2020	6	62685	10 Briggs Solar NG, LLC	IPP	10 Briggs Solar NG, LLC (East)	RI	62781	02818	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2020	6	61524	226HC 8me LLC	IPP	Holstein 1 Solar Farm	TX	61962	HSF01	200.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	200.0
2020	6	59272	41MB 8me, LLC	IPP	Borden Solar Farm	CA	59531	BRDN	50.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	50.0
2020	6	61012	AES Distributed Energy	IPP	W. Orange Rd Solar LLC	MA	63047	HEYES	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2020	6	63019	AGA TAG Solar III LLC	IPP	AGA TAG Solar III LLC	SC	63243	SCAG	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2020	6	62747	Acorn I Energy Storage LLC	IPP	Acorn I Energy Storage LLC	CA	62874	ACOR1	2.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	2.0
2020	6	62981	Aero Haven Solar LLC	IPP	Aero Haven Solar	NJ	63195	ACP3	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2020	6	59474	BQ Energy LLC	IPP	West Valley East	NY	62738	WVE	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2020	6	59474	BQ Energy LLC	IPP	West Valley West	NY	62737	WVW	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2020	6	59474	BQ Energy LLC	IPP	Yeoman Creek	IL	61910	YEOM	8.8	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	8.8
2020	6	59613	BayWa r.e. Solar Projects LLC	IPP	Fern Solar LLC	NC	62798	FERN	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2020	6	63208	Bighorn Solar, LLC	IPP	Bighorn Solar	OR	63467	PGR16	2.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.2
2020	6	63205	Brush Creek Solar, LLC	IPP	Brush Creek Solar	OR	63464	PGR19	2.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.2
2020	6	1515	City of Bellevue - (IA)	Electric Utility	Bellevue	IA	1126	1A	1.7	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	1.8
2020	6	18445	City of Tallahassee - (FL)	Electric Utility	Arvah B Hopkins	FL	688	IC5	18.5	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.8
2020	6	63260	Cobb Electric Membership Corporation	IPP	Solar BESS Hybrid	GA	63535	SOLAR	1.1	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.5
2020	6	63260	Cobb Electric Membership Corporation	IPP	Solar BESS Hybrid	GA	63535	TEST	1.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	6	56769	Consolidated Edison Development Inc.	IPP	CED Champaign Solar LLC	IL	62681	CSIL	1.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.6
2020	6	49846	Covanta Honolulu Resource Recovery	Commercial	H Power	HI	10334	PV1	2.1	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.1
2020	6	62803	Cove Mountain Solar 2 LLC	IPP	Cove Mountain Solar 2	UT	62470	GEN01	122.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	122.0
2020	6	61060	Cypress Creek Renewables	IPP	Tate Solar	NC	60160	PV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2020	6	61060	Cypress Creek Renewables	IPP	Wagyu	TX	63273	1215	120.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	120.0
2020	6	61610	Delaware River Solar, LLC	IPP	Route 5 & 20 Community Solar Farm	NY	62523	1093	2.3	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.3
2020	6	61610	Delaware River Solar, LLC	IPP	State Route 64N Community Solar Farm	NY	62520	1089	1.2	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.2
2020	6	63207	Drift Creek Solar, LLC	IPP	Drift Creek Solar	OR	63466	PGR18	2.2	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.2
2020	6	3046	Duke Energy Progress - (NC)	Electric Utility	Asheville-Rock Hill Battery	NC	63064	ES1	8.8	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	8.8
2020	6	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
2020	6	61420	ENGIE Storage Services NA LLC	Commercial	San Diego International Airport BESS	CA	62754	BA	2.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	2.0
2020	6	58135	Ecos Energy LLC	IPP	Apple Hill Solar	VT	61037	APPL	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2020	6	60496	Enerparc Inc.	IPP	Scituate RI Solar, LLC	RI	61841	SCITU	10.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	10.0
2020	6	56201	Engie North America	IPP	ENGIE Long Draw Solar LLC	TX	62845	SP1	225.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	225.0
2020	6	11241	Entergy Louisiana LLC	Electric Utility	Lake Charles Power	LA	60927	1A	250.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	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	(V) Under construction, more than 50 percent complete	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	(V) Under construction, more than 50 percent complete	500.0
2020	6	62856	Forefront Power, LLC	IPP	DGS Central California Womens Facility	CA	63419	1122	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2020	6	62856	Forefront Power, LLC	IPP	UC Santa Cruz Solar	CA	63091	246	2.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.2
2020	6	61873	GA Solar 4	IPP	Twiggs Solar	GA	61696	TWIGG	200.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	200.0
2020	6	63292	Harmony Florida Solar LLC	IPP	Harmony Solar	FL	63582	HFS	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
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	9234	Indiana Municipal Power Agency	Electric Utility	Crawfordsville Solar Park 4	IN	62776	SCRA4	2.3	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.3
2020	6	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Whitetail Solar 3	PA	62991	PAWT3	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2020	6	62661	Lock 12 Hydro Partners, LLC	IPP	Ravenna Hydroelectric Project	KY	62747	1	0.5	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.5
2020	6	62661	Lock 12 Hydro Partners, LLC	IPP	Ravenna Hydroelectric Project	KY	62747	2	0.5	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.5
2020	6	62661	Lock 12 Hydro Partners, LLC	IPP	Ravenna Hydroelectric Project	KY	62747	3	0.5	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.5
2020	6	62661	Lock 12 Hydro Partners, LLC	IPP	Ravenna Hydroelectric Project	KY	62747	4	0.5	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.5
2020	6	62661	Lock 12 Hydro Partners, LLC	IPP	Ravenna Hydroelectric Project	KY	62747	5	0.5	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.5
2020	6	62915	Madison Energy Holdings LLC	IPP	Winona Community Solar One LLC	MN	63532	52837	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2020	6	63206	Minke Solar, LLC	IPP	Minke Solar	OR	63465	PGR20	2.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.2
2020	6	63204	Mohea Solar Energy Center, LLC	IPP	Mohea Solar Energy Center, LLC	SC	63463	PGR14	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2020	6	13206	Nantucket Electric Co	Electric Utility	Nantucket	MA	1615	20	6.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	6.0
2020	6	62869	Novel Benedix Solar LLC CSG	IPP	Novel Benedix Solar CSG	MN	63010	BNDX	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	6	62847	Novel Pederson Solar LLC CSG	IPP	Novel Pederson Solar CSG	MN	62983	PED	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2020	6	14063	Oklahoma Gas & Electric Co	Electric Utility	Chickasaw Nation Solar Farm	OK	63500	CVS1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2020	6	14063	Oklahoma Gas & Electric Co	Electric Utility	Choctaw Nation Solar Farm	OK	63499	CVS1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2020	6	61521	Pegasus Wind, LLC	IPP	Pegasus Wind	MI	61916	PWEC	150.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	150.0
2020	6	62985	Pettinos Solar LLC	IPP	Pettinos Solar	NJ	63197	ACP4	1.2	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.2
2020	6	63202	Pika Solar, LLC	IPP	Pika Solar	OR	63462	PGR17	2.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.2
2020	6	56215	RWE Renewables Americas LLC	IPP	Cranell Wind Farm LLC	TX	62416	WT1	220.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	220.0
2020	6	62913	Roundhouse Renewable Energy, LLC	Industrial	Roundhouse Wind Energy Project	WY	63133	82059	124.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	124.0
2020	6	62913	Roundhouse Renewable Energy, LLC	Industrial	Roundhouse Wind Energy Project	WY	63133	82060	79.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	79.0
2020	6	62913	Roundhouse Renewable Energy, LLC	Industrial	Roundhouse Wind Energy Project	WY	63133	82061	23.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	23.0
2020	6	63074	Scout Clean Energy LLC	IPP	Heart of Texas Wind Project	TX	61032	HTX	160.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	160.0
2020	6	17650	Southern Power Co	Electric Utility	Skookumchuck Wind Facility	WA	63205	1	136.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	136.0
2020	6	60531	Standard Solar	IPP	Town of Burrillville Solar	RI	62898	X0042	4.2	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.2
2020	6	60531	Standard Solar	IPP	USS B&B Solar LLC CSG	MN	63216	BB	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	6	60531	Standard Solar	IPP	USS Chariot Solar LLC	MN	63171	CHROT	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	6	63290	Taylor Creek Solar LLC	IPP	Taylor Creek Solar	FL	63583	TCS	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2020	6	62955	USS Hancock Solar	IPP	USS Hancock Solar LLC CSG	MN	63167	HNCCK	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	7	63190	1009 Yadkin Solar, LLC	IPP	1009 Yadkin Solar	NC	63445	1009	4.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.9
2020	7	61012	AES Distributed Energy	IPP	Randall Solar Project	MA	63475	BATT	3.3	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	3.3
2020	7	61012	AES Distributed Energy	IPP	Randall Solar Project	MA	63475	RAND	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0
2020	7	61012	AES Distributed Energy	IPP	Wilbur Woods Solar LLC	MA	63048	DESMO	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2020	7	2265	Bristol-Myers Squibb Co	IPP	Bristol Myers Squibb Lawrenceville	NJ	58947	TG102	5.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	5.4
2020	7	63073	Chicot Solar, LLC	IPP	Chicot Solar	AR	63295	CHICO	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
2020	7	4180	Connecticut Mun Elec Engy Coop	Electric Utility	Subase Microgrid Project	CT	59701	SFC1	3.7	Other Natural Gas	NG	FC	(U) Under construction, less than or equal to 50 percent complete	3.7
2020	7	4180	Connecticut Mun Elec Engy Coop	Electric Utility	Subase Microgrid Project	CT	59701	SFC2	3.7	Other Natural Gas	NG	FC	(U) Under construction, less than or equal to 50 percent complete	3.7
2020	7	61610	Delaware River Solar, LLC	IPP	Big Tree Community Solar Farm	NY	62476	607	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2020	7	5248	Dominion Energy Inc	Electric Utility	Grasshopper Solar	VA	62813	GRHS	80.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	80.0
2020	7	60025	Greenbacker Renewable Energy Corporation	IPP	Solar Hagerstown	MD	62912	137	7.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	10.0
2020	7	61251	LA3 West Baton Rouge, L.L.C.	IPP	LA3 West Baton Rouge Solar Facility	LA	61646	LA3WB	50.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	50.0
2020	7	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Whitetail Solar 2	PA	62990	PAWT2	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2020	7	61219	Longroad Energy Services LLC	IPP	El Campo Wind	TX	62765	CAMPO	242.8	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	242.8
2020	7	61219	Longroad Energy Services LLC	IPP	Prospero Solar	TX	62755	PROSP	300.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	300.0
2020	7	11479	Madison Gas & Electric Co	Electric Utility	Middleton Airport Solar	WI	62731	1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2020	7	58718	Na Pua Makani Power Partners LLC	IPP	Na Pua Makani Wind Project	HI	58837	WT1	25.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	25.0
2020	7	62868	Novel Peter Solar LLC CSG	IPP	Novel Peter Solar CSG	MN	63009	PETR	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	7	14624	PUD No 2 of Grant County	Electric Utility	Wanapum	WA	3888	4A	122.0	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	122.0
2020	7	61678	RE Rambler LLC	IPP	Rambler	TX	62141	RMBLR	200.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	200.0
2020	7	62875	Shakespeare Solar, LLC	IPP	Shakespeare Solar	NC	63014	PGR12	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2020	7	61677	Sol Systems	IPP	Ruff Solar LLC	NC	62594	11625	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	22.0
2020	7	62825	Syncarpha Northbridge II, LLC	IPP	Syncarpha Northbridge II Hybrid	MA	62978	SYN2S	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2020	7	62748	Wildcat I Energy Storage LLC	IPP	Wildcat I Energy Storage LLC	CA	62875	WILD1	3.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	3.0
2020	8	63186	1001 Ebenezer Church Solar, LLC	IPP	1001 Ebenezer Church Solar	NC	63444	1001	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2020	8	60281	Altus Power America Management, LLC	IPP	FastSun 19 CSG	MN	63033	FS19	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2020	8	60281	Altus Power America Management, LLC	IPP	FastSun 2 CSG	MN	62696	FS2	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2020	8	61683	Amadeus Wind LLC	IPP	Amadeus Wind Farm	TX	62142	AM-TX	250.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	250.0
2020	8	62993	Aviator Wind, LLC	IPP	Aviator Wind	TX	63209	AVTOR	525.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	525.0
2020	8	1752	Biola University	Commercial	Biola University Hybrid	CA	54296	EG-1H	1.5	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	1.5
2020	8	1752	Biola University	Commercial	Biola University Hybrid	CA	54296	EG-2H	1.5	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	1.5
2020	8	62050	Castleman Power Development LLC	IPP	SJRR Power LLC	TX	62548	SJ-3	43.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2020	8	62050	Castleman Power Development LLC	IPP	SJRR Power LLC	TX	62548	SJ-4	43.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2020	8	63072	Cerro Gordo Wind Farm	IPP	Cerro Gordo Wind Farm	IA	63287	CGWF	42.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	42.0
2020	8	62881	Chambers Road Solar LLC	IPP	Chambers Road Solar	NY	62860	263	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2020	8	16873	City of Sebewaing - (MI)	Electric Utility	Pine Street	MI	7806	8	3.3	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	3.3
2020	8	61060	Cypress Creek Renewables	IPP	Eagle Solar	NC	60161	PV1	4.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.0
2020	8	61060	Cypress Creek Renewables	IPP	Willard Solar	NC	60287	PV1	4.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2020	8	58970	Ecoplexus, Inc	IPP	HWY 158 PV	NC	63566	HW158	9.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	9.0
2020	8	56201	Engie North America	IPP	Prairie Hill Wind Project	TX	63100	WTG	300.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	300.0
2020	8	62759	Geronimo Energy	IPP	Hyacinth Solar, LLC	MN	63312	HYCIN	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	8	62759	Geronimo Energy	IPP	Iris Solar, LLC (MN)	MN	63319	IRIS	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	8	62759	Geronimo Energy	IPP	Marigold Community Solar Garden, LLC	MN	63308	MGOLD	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	8	62759	Geronimo Energy	IPP	Primrose Solar, LLC	MN	63314	PROSE	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0

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	8	62879	Hickory Grove #1 LLC	IPP	Hickory Grove #1	NY	62831	25	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2020	8	62880	Hickory Grove #2	IPP	Hickory Grove #2	NY	62832	309	1.7	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.7
2020	8	49893	Invenergy Services LLC	IPP	Millican Solar Energy LLC	OR	63050	GEN1	71.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	71.4
2020	8	49893	Invenergy Services LLC	IPP	Prineville Solar Energy LLC	OR	63049	GEN1	46.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	46.2
2020	8	59685	JPMorgan Chase Bank	Commercial	South Campus Solar	DE	59922	G1789	1.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.8
2020	8	12303	Merck & Co Inc-West Point	Industrial	West Point (PA)	PA	52149	GEN16	1.1	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	1.3
2020	8	60018	NET Power, LLC	IPP	NET Power La Porte Station	TX	60910	NPLPS	25.5	Natural Gas Fired Combustion Turbine	NG	GT	(TS) Construction complete, but not yet in commercial operation	25.5
2020	8	13484	New York Methodist Hospital	IPP	New York Methodist Hospital	NY	52091	CCHEG	1.5	Petroleum Liquids	DFO	IC	(TS) Construction complete, but not yet in commercial operation	1.5
2020	8	63014	Novel Debra Solar LLC	IPP	Novel Debra Solar LLC CSG	MN	63247	DEBRA	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	8	62848	Novel Jewison Solar LLC CSG	IPP	Novel Jewison Solar CSG	MN	62984	JEWI	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	8	62850	Novel Kanewischer Solar LLC CSG	IPP	Novel Kanewischer Solar CSG	MN	62986	KANE	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	8	63015	Novel Loren Solar LLC	IPP	Novel Loren Solar LLC CSG	MN	63248	LOREN	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	8	62846	Novel Schmoll Farms Solar LLC CSG	IPP	Novel Schmoll Farms Solar CSG	MN	62982	SCHM	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	8	63017	Novel Wayne Solar LLC	IPP	Novel Wayne Solar LLC CSG	MN	63249	WAYNE	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	8	61592	Pleinmont Solar 1 LLC	IPP	Pleinmont Solar 1	VA	62012	PLNM1	75.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	75.0
2020	8	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
2020	8	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	GTG1	37.1	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	41.5
2020	8	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	GTG2	37.1	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	41.5
2020	8	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	GTG3	37.1	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	41.5
2020	8	60531	Standard Solar	IPP	USS Cougar Solar LLC CSG	MN	63158	COUGR	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	8	60531	Standard Solar	IPP	USS Flower Solar LLC CSG	MN	63159	FLOWR	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	8	60531	Standard Solar	IPP	USS Horne North Solar LLC CSG	MN	63154	HORNN	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	8	60531	Standard Solar	IPP	USS Horne South Solar LLC CSG	MN	63155	HORNS	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	8	60531	Standard Solar	IPP	USS JJ Clay Solar LLC CSG	MN	63156	JJCLY	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	8	60531	Standard Solar	IPP	USS Verde Solar LLC CSG	MN	63157	VERDE	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	8	62819	Syncarpha Halifax, LLC	IPP	Syncarpha Halifax Hybrid	MA	62973	SYHAS	1.7	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.7
2020	8	62821	Syncarpha Northampton, LLC	IPP	Syncarpha Northampton Hybrid	MA	62976	SYNOS	3.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.6
2020	8	62825	Syncarpha Northbridge II, LLC	IPP	Syncarpha Northbridge II Hybrid	MA	62978	SYN2B	3.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	3.0
2020	8	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
2020	8	62946	USS All In Solar LLC	IPP	USS All In Solar LLC CSG	MN	63160	ALLIN	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	8	62958	USS Kass Solar LLC	IPP	USS Kass Solar LLC	MN	63170	KASS	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	8	62701	Vista Solar, Inc.	IPP	Guittard Chocolates	CA	63190	GCHOC	1.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	1.5
2020	8	62701	Vista Solar, Inc.	IPP	Hopkinton Phase 2	RI	63191	HTP2	2.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.5
2020	8	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	9	61012	AES Distributed Energy	IPP	Greenwich Solar 1, LLC	NY	63411	RTE40	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2020	9	62805	Bluestone Farm Solar, LLC	IPP	Bluestone Solar	VA	62950	BLUE1	49.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	49.9
2020	9	62050	Castleman Power Development LLC	IPP	Palestine Power Peaking Facility	TX	62684	PP-1	50.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2020	9	62050	Castleman Power Development LLC	IPP	Palestine Power Peaking Facility	TX	62684	PP-2	50.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2020	9	62050	Castleman Power Development LLC	IPP	Palestine Power Peaking Facility	TX	62684	PP-3	50.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2020	9	62050	Castleman Power Development LLC	IPP	Palestine Power Peaking Facility	TX	62684	PP-4	50.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2020	9	62050	Castleman Power Development LLC	IPP	Sealy Power Peaking Facility	TX	62685	SP-1	50.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2020	9	62050	Castleman Power Development LLC	IPP	Sealy Power Peaking Facility	TX	62685	SP-2	50.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2020	9	62050	Castleman Power Development LLC	IPP	Sealy Power Peaking Facility	TX	62685	SP-3	50.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2020	9	62050	Castleman Power Development LLC	IPP	Sealy Power Peaking Facility	TX	62685	SP-4	50.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2020	9	5109	DTE Electric Company	Electric Utility	Fairbanks Wind Park	MI	63600	1	72.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	72.5
2020	9	61610	Delaware River Solar, LLC	IPP	Yellow Mills Rd #1 Community Solar Farm	NY	62517	1142	2.3	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.3
2020	9	61610	Delaware River Solar, LLC	IPP	Yellow Mills Rd #2 Community Solar Farm	NY	62518	1181	2.3	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.3
2020	9	61610	Delaware River Solar, LLC	IPP	Yellow Mills Rd #3 Community Solar Farm	NY	62519	1244	2.3	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.3
2020	9	58468	Dominion Renewable Energy	Electric Utility	Spring Grove I	VA	61986	SGIS	97.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	97.9
2020	9	58970	Ecoplexus, Inc	IPP	Underwood PV2	NC	60998	UNWD2	16.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	16.0
2020	9	62720	Frontier Windpower II, LLC	IPP	Frontier Windpower II	OK	62837	FW2	351.8	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	351.8
2020	9	62759	Geronimo Energy	IPP	Aster Community Solar Garden, LLC	MN	63305	ASTER	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	9	62759	Geronimo Energy	IPP	Geranium Solar, LLC	MN	63317	GERNM	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	9	62759	Geronimo Energy	IPP	Gladiolus Solar, LLC	MN	63316	GLADI	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	9	62759	Geronimo Energy	IPP	Honeysuckle Solar, LLC	MN	63309	HONEY	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	9	62759	Geronimo Energy	IPP	Kerria Solar, LLC	MN	63315	KERIA	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	9	62759	Geronimo Energy	IPP	Westport Community Solar, LLC	MN	63307	WESTP	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	9	62696	Gichi Noodin Wind Farm, LLC	IPP	Gichi Noodin Wind Farm	MI	62815	GNWF1	72.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	72.8
2020	9	63084	Gulfwinds Generation, LLC	IPP	Jawbone Wind Project	MT	58175	JWPI	80.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	80.0
2020	9	61001	Hu Honua Bioenergy, LLC	IPP	Hu Honua Bioenergy Facility	HI	61364	HHB	32.0	Other Waste Biomass	OBS	ST	(V) Under construction, more than 50 percent complete	36.0
2020	9	9191	Idaho Power Co	Electric Utility	Shoshone Falls	ID	818	4	3.2	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	3.2
2020	9	9234	Indiana Municipal Power Agency	Electric Utility	Centerville Solar Park	IN	62794	SCENT	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	9	9234	Indiana Municipal Power Agency	Electric Utility	Crawfordsville 5 Solar Park	IN	62793	SCRA5	9.7	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	9.7
2020	9	9417	Interstate Power and Light Co	Electric Utility	Richland	IA	62080	1	130.1	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	130.1
2020	9	63289	Key Capture Energy	IPP	NY3 Battery	NY	63585	NY3	3.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	3.0
2020	9	62897	MSB Investors, LLC	Electric CHP	ReSource Center	CA	63094	SBAD1	1.1	Other Waste Biomass	OBG	IC	(V) Under construction, more than 50 percent complete	1.1
2020	9	62897	MSB Investors, LLC	Electric CHP	ReSource Center	CA	63094	SBAD2	1.1	Other Waste Biomass	OBG	IC	(V) Under construction, more than 50 percent complete	1.1
2020	9	62726	Mountain Breeze Wind, LLC	IPP	Mountain Breeze Wind, LLC	CO	62840	MTBRZ	170.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	170.0
2020	9	56990	NJR Clean Energy Ventures Corporation	IPP	Monroe Solar Farm, LLC	NJ	63451	MONR1	13.1	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	13.1
2020	9	63331	Organic Energy Solutions, Inc.	Electric CHP	OES Biogas Power	CA	63622	OES01	1.3	Other Waste Biomass	OBG	IC	(U) Under construction, less than or equal to 50 percent complete	1.3
2020	9	63331	Organic Energy Solutions, Inc.	Electric CHP	OES Biogas Power	CA	63622	OES02	1.3	Other Waste Biomass	OBG	IC	(U) Under construction, less than or equal to 50 percent complete	1.3
2020	9	56215	RWE Renewables Americas LLC	IPP	Raymond Wind Farm, LLC	TX	62909	ERAYM	200.2	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	200.2
2020	9	62047	Roadrunner Solar, LLC	IPP	Roadrunner, LLC	TX	62561	RODR2	200.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	200.0
2020	9	62844	Spring Hope Solar 3, LLC	IPP	Spring Hope Solar 3, LLC	NC	62997	PGR09	4.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.9
2020	9	61668	Strauss Wind LLC	IPP	Strauss Wind Farm	CA	62113	ST-CA	98.8	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	98.8
2020	9	62821	Syncarpha Northampton, LLC	IPP	Syncarpha Northampton Hybrid	MA	62976	SYNOB	2.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	2.0
2020	9	62044	TG High Prairie Wind, LLC	IPP	High Prairie Wind Farm	MO	62563	HPWF	400.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	400.0
2020	9	61534	Techren Solar III LLC	IPP	Techren Solar III LLC	NV	61931	TECH3	25.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	25.0
2020	9	61535	Techren Solar IV LLC	IPP	Techren Solar IV LLC	NV	61932	TECH4	25.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	25.0
2020	9	61890	Tenaska Nobles 2 Power Partners, LLC	IPP	Nobles 2 Wind Project	MN	62364	WT1	250.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	250.0
2020	9	24211	Tucson Electric Power Co	Electric Utility	Oso Grande Wind Farm	NM	63502	OGW24	15.6	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	33.8
2020	9	24211	Tucson Electric Power Co	Electric Utility	Oso Grande Wind Farm	NM	63502	OGW45	100.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	216.0
2020	9	62701	Vista Solar, Inc.	IPP	Bio-Rad	CA	63189	BIORD	2.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.5

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)
2020	10	63193	1045 Tomlin Mill Solar, LLC	IPP	1045 Tomlin Mill Solar	NC	63448	1045	4.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.9
2020	10	63191	1073 Onslow Solar, LLC	IPP	1073 Onslow Solar	NC	63446	1073	4.7	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.7
2020	10	61012	AES Distributed Energy	IPP	Middletown Solar 1, LLC	NY	63415	BATT	1.6	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	1.6
2020	10	61012	AES Distributed Energy	IPP	Middletown Solar 1, LLC	NY	63415	CENTR	1.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.6
2020	10	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
2020	10	56201	Engie North America	IPP	Las Lomas Wind Project	TX	63101	WTG	201.6	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	201.6
2020	10	62759	Geronimo Energy	IPP	Allium Community Solar Garden, LLC	MN	63304	ALIUM	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	10	62759	Geronimo Energy	IPP	Bellflower Solar, LLC	MN	63318	BELLF	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	10	62759	Geronimo Energy	IPP	Coral Bells Solar, LLC	MN	63313	CORAL	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	10	62759	Geronimo Energy	IPP	Lantana Solar, LLC	MN	63311	LANTA	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	10	62759	Geronimo Energy	IPP	Snowdrop Solar, LLC	MN	63310	SNOWD	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	10	61853	Innogy Renewables US LLC	IPP	Scioto Ridge Wind Farm	OH	58780	1	249.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	249.8
2020	10	49893	Invenergy Services LLC	IPP	Harry Allen Solar Energy LLC	NV	63080	GEN1	118.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	118.8
2020	10	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Wildflower Solar 1	CA	62988	CAWF1	13.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	13.0
2020	10	61219	Longroad Energy Services LLC	IPP	Weaver Wind	ME	63132	WEAVR	72.6	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	72.6
2020	10	11820	Massachusetts Inst of Tech	Commercial	Mass Inst Tech Cntrl Utilities/Cogen Plt	MA	54907	GT300	17.7	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	21.7
2020	10	12320	Merck & Co Inc	Industrial	Elkton	VA	52148	GEN6	1.2	Natural Gas Steam Turbine	NG	ST	(U) Under construction, less than or equal to 50 percent complete	1.2
2020	10	12320	Merck & Co Inc	Industrial	Elkton	VA	52148	GEN7	1.2	Natural Gas Steam Turbine	NG	ST	(U) Under construction, less than or equal to 50 percent complete	1.2
2020	10	15296	New York Power Authority	Electric Utility	Willis Battery Storage	NY	63238	WB1	20.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	20.0
2020	10	63299	Ponderosa Wind, LLC	IPP	Ponderosa Wind Energy Center	OK	63590	PONDE	200.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	200.0
2020	10	16609	San Diego Gas & Electric Co	Electric Utility	Top Gun Energy Storage	CA	61366	TGES	30.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	30.0
2020	10	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	STG1	72.7	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	75.0
2020	10	58798	Shell Chemical Appalachia LLC	Industrial	Shell Chemical Appalachia LLC	PA	58933	STG2	72.7	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	75.0
2020	10	62744	St. James Solar, LLC	IPP	St. James Solar (LA)	LA	62854	SJS	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2020	10	60568	Sugar Creek Wind One LLC	IPP	Sugar Creek Wind One LLC	IL	58924	SUG1	202.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	202.0
2020	10	62819	Syncarpha Halifax, LLC	IPP	Syncarpha Halifax Hybrid	MA	62973	SYHAB	2.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	2.0
2020	10	62814	Syncarpha Leicester, LLC	IPP	Syncarpha Leicester Hybrid	MA	62972	SYLEB	1.9	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	1.9
2020	10	62814	Syncarpha Leicester, LLC	IPP	Syncarpha Leicester Hybrid	MA	62972	SYLES	2.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.6
2020	10	62826	Syncarpha Puddon I, LLC	IPP	Syncarpha Puddon I Hybrid	MA	62969	SYP1S	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2020	10	62827	Syncarpha Puddon II, LLC	IPP	Syncarpha Puddon II Hybrid	MA	62970	SYP2S	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2020	10	61637	TUUSSO Energy, LLC	IPP	Camas Solar Project	WA	62071	CAMAS	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2020	10	61637	TUUSSO Energy, LLC	IPP	Fumaria Solar Project	WA	62070	FUMAR	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2020	10	61637	TUUSSO Energy, LLC	IPP	Penstemon Solar Project	WA	62069	PENST	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2020	10	61637	TUUSSO Energy, LLC	IPP	Typha Solar Project	WA	62068	TYPHA	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2020	10	61637	TUUSSO Energy, LLC	IPP	Urtica Solar Project	WA	62067	URTIC	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2020	10	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
2020	10	20421	Western Minnesota Mun Pwr Agny	Electric Utility	Red Rock Hydro Plant	IA	58434	1	27.5	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	18.2
2020	10	20421	Western Minnesota Mun Pwr Agny	Electric Utility	Red Rock Hydro Plant	IA	58434	2	27.5	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	18.2
2020	10	20856	Wisconsin Power & Light Co	Electric Utility	Kossuth	IA	62103	1	152.2	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	152.2
2020	11	63192	1008 Matthews Solar, LLC	IPP	1008 Matthews Solar	NC	63447	1008	4.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.9
2020	11	61541	1634 Solar, LLC	IPP	1634 Solar	SC	61935	3	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	11	62984	AC Power 2 LLC	IPP	AC Power 2	NJ	63196	ACP2	3.8	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.8
2020	11	61012	AES Distributed Energy	IPP	Alicea Solar Project	MA	63469	ALICA	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2020	11	61012	AES Distributed Energy	IPP	Alicea Solar Project	MA	63469	BATT	1.5	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	1.5
2020	11	61012	AES Distributed Energy	IPP	Annese Solar Project	MA	63474	ANNES	4.6	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	4.6
2020	11	61012	AES Distributed Energy	IPP	Annese Solar Project	MA	63474	BATT	3.2	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	3.2
2020	11	61012	AES Distributed Energy	IPP	West A&B Solar Project	MA	63473	BATT	1.8	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	1.8
2020	11	61012	AES Distributed Energy	IPP	West A&B Solar Project	MA	63473	WEST	2.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.5
2020	11	61711	Ashley Solar (SC)	IPP	Ashley Solar (SC)	SC	62179	21	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	11	61712	Atlantic Solar	IPP	Atlantic Solar	SC	62180	22	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	11	61544	Bani Solar, LLC	IPP	Bani Solar	SC	61938	4	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	11	61716	Big Fork Solar	IPP	Big Fork Solar	SC	62184	26	74.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	74.9
2020	11	61519	Blackville Solar Farm, LLC	IPP	Blackville Solar Farm, LLC	SC	61918	1	7.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	7.2
2020	11	60609	Clean Focus Renewables, Inc.	IPP	Rugged Solar LLC	CA	57960	1	80.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	80.0
2020	11	56769	Consolidated Edison Development Inc.	IPP	Water Strider Solar	VA	63549	WSS	80.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	80.0
2020	11	63064	Crowned Ridge Wind II LLC	IPP	Crowned Ridge Wind II Energy Center	SD	63269	CRW2	200.6	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	200.6
2020	11	5109	DTE Electric Company	Electric Utility	Isabella Wind Park	MI	63601	1	383.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	383.5
2020	11	61731	Denmark Solar	IPP	Denmark Solar	SC	62211	35	6.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	6.0
2020	11	56201	Engie North America	IPP	Dakota Range III Wind Project	SD	63102	WTG	151.2	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	151.2
2020	11	56201	Engie North America	IPP	King Plains Wind Project	OK	63104	WTG	250.2	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	250.2
2020	11	56201	Engie North America	IPP	Triple H Wind Project	SD	63103	WTG	250.2	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	250.2
2020	11	61736	Gaines Solar	IPP	Gaines Solar	SC	62216	41	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	11	60222	Haida Energy, Inc.	Electric Utility	Hiilangaay Hydro	AK	59037	GEN 1	5.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	5.0
2020	11	9234	Indiana Municipal Power Agency	Electric Utility	Richmond Solar Park 4	IN	62791	SRIC4	7.1	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	7.1
2020	11	49893	Invenergy Services LLC	IPP	Crescent Valley Solar	NV	62888	GEN1	149.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	149.0
2020	11	49893	Invenergy Services LLC	IPP	Lovelock Solar	NV	62934	GEN1	190.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	190.0
2020	11	63128	Jordan Creek Wind Farm, LLC	IPP	Jordan Creek Wind Farm, LLC	IN	63389	JCW	400.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	400.0
2020	11	61219	Longroad Energy Services LLC	IPP	Milford Solar 1	UT	62812	MS1	99.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	99.0
2020	11	11820	Massachusetts Inst of Tech	Commercial	Mass Inst Tech Cntrl Utilities/Cogen Plt	MA	54907	GT200	17.7	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	21.7
2020	11	61790	McCormick Solar	IPP	McCormick Solar	SC	62279	57	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	11	56990	NJR Clean Energy Ventures Corporation	IPP	ACCP NJ 1	NJ	63198	ACCP1	1.2	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	1.2
2020	11	62758	Orchard Windfarm, LLC	IPP	Orchard Windfarm, LLC	OR	62935	OCHW	40.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	40.0
2020	11	14232	Otter Tail Power Co	Electric Utility	Merricourt Wind Energy Center	ND	57048	1	150.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	150.0
2020	11	14354	PacifiCorp	Electric Utility	Ekola Flats	WY	62591	1	250.9	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	250.9
2020	11	14354	PacifiCorp	Electric Utility	TB Flats	WY	62516	1	503.2	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	503.2
2020	11	15466	Public Service Co of Colorado	Electric Utility	Cheyenne Ridge Wind Farm	CO	62952	CRW01	488.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	498.4
2020	11	62694	Rappahannock Solar, LLC	IPP	Rappahannock Solar, LLC	VA	62780	100	1.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.5
2020	11	61814	Sandifer Solar	IPP	Sandifer Solar	SC	62298	70	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	11	61829	Shem Solar	IPP	Shem Solar	SC	62308	72	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	11	60531	Standard Solar	IPP	USS KVPV Solar LLC	MN	63169	KVPV	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	11	60531	Standard Solar	IPP	USS Steamboat Solar LLC CSG	MN	63221	STMBT	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	11	62824	Syncarpha Northbridge I, LLC	IPP	Syncarpha Northbridge I Hybrid	MA	62977	SYN1S	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2020	11	62826	Syncarpha Puddon I, LLC	IPP	Syncarpha Puddon I Hybrid	MA	62969	SYP1B	4.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	4.0

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	11	62827	Syncarpha Puddon II, LLC	IPP	Syncarpha Puddon II Hybrid	MA	62970	SYP2B	4.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	4.0
2020	11	61835	Tarpon Solar I	IPP	Tarpon Solar I	SC	62314	78	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	11	61860	Trask East Solar	IPP	Trask East Solar	SC	62346	83	12.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	12.0
2020	11	62954	USS Bush Solar LLC	IPP	USS Bush Solar LLC CSG	MN	63166	BUSH	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	11	62973	USS Dot Com Solar LLC	IPP	USS Dot Com Solar LLC CSG	MN	63215	DOTCM	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	11	62956	USS Pheasant Solar LLC	IPP	USS Pheasant Solar LLC	MN	63168	PHSNT	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	11	62953	USS Reindeer Solar LLC	IPP	USS Reindeer Solar LLC CSG	MN	63165	RENDR	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	11	62978	USS Water City Solar LLC	IPP	USS Water City Solar LLC CSG	MN	63220	WTRCY	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	11	62977	USS Water Fowl Solar LLC	IPP	USS Water Fowl Solar LLC CSG	MN	63219	WTRFL	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	11	62976	USS Water Town Solar LLC	IPP	USS Water Town Solar LLC CSG	MN	63218	WTRTN	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	11	62975	USS Zanzibar Solar LLC	IPP	USS Zanzibar Solar LLC CSG	MN	63217	ZNZBR	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	11	61865	Wayfair Solar	IPP	Wayfair Solar	SC	62345	89	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	11	62635	Wildcat Creek Wind Farm LLC	IPP	Wildcat Creek Wind Farm LLC	TX	62715	WCCWF	180.1	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	180.1
2020	11	61870	Yemassee Solar	IPP	Yemassee Solar	SC	62353	93	10.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	10.0
2020	12	62006	7X Energy, Inc.	IPP	Taygete Energy Project LLC	TX	62483	PV1	255.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	255.0
2020	12	62627	Alchemy Renewable Energy	IPP	Twittys Creek Solar, LLC	VA	63077	VATC	13.8	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	13.8
2020	12	59050	Algonquin Power Co	IPP	Maverick Creek Wind	TX	62853	MVRCK	524.4	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	524.4
2020	12	59496	Allete Clean Energy	IPP	Diamond Spring, LLC	OK	63327	46001	303.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	303.0
2020	12	62119	Antelope Expansion 3A, LLC	IPP	Antelope Expansion 3A	CA	62673	ANX3A	15.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	15.0
2020	12	62118	Antelope Expansion 3B, LLC	IPP	Antelope Expansion 3B	CA	62674	ANX3B	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2020	12	61949	Assembly Solar I, LLC	IPP	Assembly Solar Project	MI	62422	ASP01	50.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	50.0
2020	12	63021	Aurora Wind Project, LLC	IPP	Aurora Wind Project	ND	63258	AURWP	298.8	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	298.8
2020	12	15399	Avangrid Renewables LLC	IPP	La Joya NM	NM	61044	WT1	306.2	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	306.2
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	15399	Avangrid Renewables LLC	IPP	Tatanka Ridge	SD	61046	WT1	154.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	154.0
2020	12	61713	B & K Solar	IPP	B & K Solar	SC	62181	23	63.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	63.0
2020	12	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
2020	12	62680	BT Coniglio Solar LLC	IPP	Coniglio Solar	TX	62772	BTCON	135.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	135.0
2020	12	62681	BT Cooke Solar, LLC	IPP	Rippey Solar	TX	62773	BTCOO	60.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	60.0
2020	12	62682	BT Kellam Solar LLC	IPP	Kellam Solar	TX	62774	BTKEL	60.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	60.0
2020	12	61714	Battle Solar	IPP	Battle Solar	SC	62182	24	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	12	61715	Bell Solar	IPP	Bell Solar	SC	62183	25	6.1	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	6.1
2020	12	61717	Birch Solar	IPP	Birch Solar	SC	62185	27	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	12	56771	Black Hills Service Company LLC	Electric Utility	Corriedale Wind Energy	WY	63436	WTG	52.5	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	52.5
2020	12	63116	Bluebell Solar II, LLC	IPP	Bluebell Solar II	TX	63351	BBS2	115.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	115.0
2020	12	60816	Boston Medical Center	Commercial	Boston Medical Center CHP Plant	MA	61186	BATT	1.0	Batteries	MWH	BA	(OT) Other	1.0
2020	12	62995	Broad Mountain Power LLC	IPP	Broad Mountain Wind Project	PA	63210	BROAD	80.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	80.0
2020	12	62718	Broad River Solar, LLC	IPP	Broad River Solar, LLC	NC	62822	GEN1	50.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	50.0
2020	12	63295	Brooten CSG1 LLC	IPP	Brooten CSG1, LLC	MN	63593	SC	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	12	63296	Buffalo Lake CSG1 LLC	IPP	Buffalo Lake CSG1, LLC	MN	63594	SC	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	12	60714	Burke Wind LLC	IPP	Burke Wind, LLC	ND	61100	GE23	199.4	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	199.4
2020	12	59365	Capital Power Corporation	IPP	Nolin Hills Wind, LLC	OR	60070	GEN	350.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	350.0
2020	12	62872	Carolina Lily Solar, LLC	IPP	Carolina Lily Solar	NC	63016	1096	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2020	12	61718	Chapman Solar	IPP	Chapman Solar	SC	62186	28	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	12	61719	Clark Solar	IPP	Clark Solar	SC	62187	29	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	12	61817	Collard Holdings, LLC	IPP	Collard Holdings Solar	NC	62317	PV	10.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	10.0
2020	12	61720	Colleton Solar	IPP	Colleton Solar	SC	62188	30	75.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	75.0
2020	12	61721	Collins Farm Solar	IPP	Collins Farm Solar	SC	62189	31	5.4	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.4
2020	12	62705	Concho Bluff LLC	IPP	Greasewood	TX	62804	GREA1	255.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	255.0
2020	12	4226	Consolidated Edison Co-NY Inc	Electric Utility	98th Street Battery Storage Station	NY	62839	ESS98	1.8	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	2.0
2020	12	61978	Convergent Energy and Power LP	IPP	Henrietta D Energy Storage LLC	CA	60641	HDES1	10.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	10.0
2020	12	62802	Cove Mountain Solar LLC	IPP	Cove Mountain Solar	UT	62469	GEN01	58.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	58.0
2020	12	61722	Crossroads Solar	IPP	Crossroads Solar	SC	62190	32	67.7	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	67.7
2020	12	61729	Culpepper Solar	IPP	Culpepper Solar	SC	62221	33	69.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	69.5
2020	12	61730	Dadswell Solar	IPP	Dadswell Solar	SC	62222	34	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	12	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
2020	12	61709	Desert Harvest, LLC	IPP	Desert Harvest, LLC	CA	62177	DH001	150.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	150.0
2020	12	5248	Dominion Energy Inc	Electric Utility	Sadler Solar	VA	62814	SADL	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
2020	12	5416	Duke Energy Carolinas, LLC	Electric Utility	Gaston Solar Power Plant	NC	62669	PV1	25.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	25.0
2020	12	5416	Duke Energy Carolinas, LLC	Electric Utility	Maiden Creek Solar Power Plant	NC	62668	PV1	69.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	69.3
2020	12	6455	Duke Energy Florida, LLC	Electric Utility	Santa Fe Solar Power Plant	FL	63517	PV1	42.7	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	74.9
2020	12	6455	Duke Energy Florida, LLC	Electric Utility	Twin Rivers Solar Power Plant	FL	63518	PV1	42.7	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	74.9
2020	12	61785	EDP Renewables North America LLC	IPP	Crossing Trails Wind Farm	CO	62489	GEN1	104.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	104.0
2020	12	61785	EDP Renewables North America LLC	IPP	Headwaters Wind Farm II LLC	IN	62592	HWII	200.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	200.0
2020	12	56987	East Blackland Solar Project 1 LLC	IPP	East Blackland Solar Project 1	TX	57659	PSF	144.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	144.0
2020	12	62667	East Line Solar, LLC	IPP	East Line Solar	AZ	62899	EASTL	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2020	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
2020	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
2020	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
2020	12	5860	Empire District Electric Co	Electric Utility	Kings Point Wind Energy Center	MO	62475	KPW1	149.4	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	149.4
2020	12	5860	Empire District Electric Co	Electric Utility	Neosho Ridge Wind Energy Center	KS	62481	NRW1	301.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	301.0
2020	12	5860	Empire District Electric Co	Electric Utility	North Fork Ridge Wind Energy Center	MO	62478	NFRW1	149.4	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	149.4
2020	12	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
2020	12	60496	Enerparc Inc.	IPP	Pawcatuck Solar Center, LLC	CT	62318	PAWCA	15.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	15.0
2020	12	59497	Eversource	IPP	Martha's Vineyard Community Battery	MA	62605	MVESS	4.9	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	4.9
2020	12	59497	Eversource	IPP	Outer Cape Community Battery	MA	62604	OCESS	25.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	25.0
2020	12	61732	Fairfield Solar	IPP	Fairfield Solar	SC	62212	36	10.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	10.0
2020	12	56615	First Solar Project Development	IPP	American Kings Solar, LLC	CA	60777	GEN01	123.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	123.0
2020	12	61733	Fishwater Solar	IPP	Fishwater Solar	SC	62213	37	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	12	56625	Flat Water Wind Farm LLC	IPP	Flat Water Wind Farm LLC	NE	57283	WTG2	6.9	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	6.9
2020	12	6452	Florida Power & Light Co	Electric Utility	Egret Solar Center	FL	62925	1	74.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	74.5
2020	12	6452	Florida Power & Light Co	Electric Utility	Lakeside Solar Center	FL	62922	1	74.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	74.5
2020	12	6452	Florida Power & Light Co	Electric Utility	Magnolia Springs Solar Center	FL	62915	1	74.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	74.5

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)
2020	12	6452	Florida Power & Light Co	Electric Utility	Nassau Solar Center	FL	62914	1	74.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	74.5
2020	12	6452	Florida Power & Light Co	Electric Utility	Trailside Solar Center	FL	62916	1	74.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	74.5
2020	12	6452	Florida Power & Light Co	Electric Utility	Union Springs Solar Center	FL	62923	1	74.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	74.5
2020	12	61735	Foreman Solar	IPP	Foreman Solar	SC	62215	39	6.4	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	6.4
2020	12	60888	GCL New Energy, Inc.	IPP	Pioneer Solar (CO), LLC	CO	61991	PI-QF	80.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	80.0
2020	12	61737	GEB Solar	IPP	GEB Solar	SC	62217	40	60.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	60.0
2020	12	61738	Gedosch Solar II	IPP	Gedosch Solar II	SC	62218	42	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	12	62759	Geronimo Energy	IPP	Bingham Solar, LLC	MI	63321	BINGH	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2020	12	62759	Geronimo Energy	IPP	Temperance Solar, LLC	MI	63322	TEMPR	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2020	12	61888	Gloversville Community Solar LLC	IPP	Gloversville Landfill Solar	NY	62357	08158	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2020	12	63108	Granby Solar, LLC	IPP	Granby Solar, LLC	MA	63338	4787	3.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.0
2020	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
2020	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
2020	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
2020	12	60195	Groton Station Fuel Cell, LLC	IPP	Naval Sub Base New London Fuel Cell	CT	61743	MMH2	3.7	Other Natural Gas	NG	FC	(U) Under construction, less than or equal to 50 percent complete	3.7
2020	12	61594	Highlander Solar Station 1 LLC	IPP	Highlander Solar Station 1	VA	62014	HLND1	165.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	165.0
2020	12	61697	Hillcrest Solar I, LLC	IPP	Hillcrest Solar	OH	62200	HILLC	200.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	200.0
2020	12	61746	Holliday Solar I	IPP	Holliday Solar I	SC	62229	43	75.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	75.0
2020	12	62134	Hunter Solar LLC	IPP	Hunter Solar LLC	UT	62656	HUSOL	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
2020	12	61747	Indigo Solar	IPP	Indigo Solar	SC	62230	44	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	12	61853	Innogy Renewables US LLC	IPP	Baron Winds Farm	NY	60596	1	272.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	272.0
2020	12	61853	Innogy Renewables US LLC	IPP	Cassadaga Wind Farm	NY	58777	1	126.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	126.0
2020	12	61853	Innogy Renewables US LLC	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	61853	Innogy Renewables US LLC	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
2020	12	61853	Innogy Renewables US LLC	IPP	Mason Dixon Wind Farm	PA	60212	1	79.9	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	79.9
2020	12	61853	Innogy Renewables US LLC	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
2020	12	61853	Innogy Renewables US LLC	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
2020	12	49893	Invenergy Services LLC	IPP	Badger Hollow Solar Farm LLC	WI	62955	GEN1	300.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	300.0
2020	12	49893	Invenergy Services LLC	IPP	Deuel Harvest Wind Energy LLC	SD	62943	GEN1	300.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	300.0
2020	12	49893	Invenergy Services LLC	IPP	Hardin Solar Energy LLC	OH	63029	GEN1	150.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	150.0
2020	12	49893	Invenergy Services LLC	IPP	Sundance Wind Project, LLC	OK	63489	GEN1	199.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	199.0
2020	12	49893	Invenergy Services LLC	IPP	Thunderhead Wind Energy LLC	NE	62956	GEN1	300.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	300.0
2020	12	49893	Invenergy Services LLC	IPP	Traverse Wind Project, LLC	OK	63479	GEN1	999.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	999.0
2020	12	61749	Jackson Solar	IPP	Jackson Solar	SC	62232	46	14.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	14.0
2020	12	61750	Jefferson Solar	IPP	Jefferson Solar	SC	62233	47	8.2	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	8.2
2020	12	61751	Juniper Solar	IPP	Juniper Solar	SC	62234	48	65.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	65.5
2020	12	62883	Kruger Energy Hertford, LLC	IPP	Kruger Energy Hertford, LLC	NC	63024	KEH	10.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	10.0
2020	12	59195	Landfill Energy Systems	IPP	Zimmerman Energy	IN	59425	ZE#4	1.4	Landfill Gas	LFG	IC	(T) Regulatory approvals received. Not under construction	1.6
2020	12	50123	Leeward Asset Management, LLC	IPP	Lone Tree Wind, LLC	IL	63251	LTW	79.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	79.0
2020	12	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Impact Solar 1	TX	63222	TXIM1	198.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	198.5
2020	12	61752	Lone Star Solar	IPP	Lone Star Solar	SC	62235	49	66.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	66.0
2020	12	61219	Longroad Energy Services LLC	IPP	Little Bear 3	CA	62463	GEN01	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2020	12	61219	Longroad Energy Services LLC	IPP	Little Bear 4	CA	62464	GEN01	50.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	50.0
2020	12	61219	Longroad Energy Services LLC	IPP	Little Bear 5	CA	62465	GEN01	50.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	50.0
2020	12	61219	Longroad Energy Services LLC	IPP	Little Bear Solar 1, LLC	CA	59870	GEN01	40.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	40.0
2020	12	63300	Lowry CSG2 LLC	IPP	Lowry CSG2, LLC	MN	63595	SC	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	12	55983	Luminant Generation Company LLC	IPP	Brightside	TX	63223	UNIT1	50.7	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	50.7
2020	12	61753	Luz Solar	IPP	Luz Solar	SC	62236	50	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	12	61755	Marshall Solar	IPP	Marshall Solar	SC	62238	52	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	12	61796	Martin Central Solar	IPP	Martin Central Solar	SC	62285	53	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	12	61787	Martin East Solar	IPP	Martin East Solar	SC	62276	54	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	12	61788	Martin West Solar	IPP	Martin West Solar	SC	62277	55	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	12	62721	Maryneal Windpower, LLC	IPP	Maryneal Windpower	TX	62836	MNW	182.4	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	182.4
2020	12	61710	Maverick Solar, LLC	IPP	Maverick Solar, LLC	CA	62178	MAV01	225.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	225.0
2020	12	61789	McClain Solar	IPP	McClain Solar	SC	62278	56	17.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	17.3
2020	12	12119	McGrath Light & Power Co	Electric Utility	McGrath	AK	6555	11	0.4	Petroleum Liquids	DFO	IC	(P) Planned for installation, but regulatory approvals not initiated	0.4
2020	12	12119	McGrath Light & Power Co	Electric Utility	McGrath	AK	6555	12	0.4	Petroleum Liquids	DFO	IC	(P) Planned for installation, but regulatory approvals not initiated	0.4
2020	12	12119	McGrath Light & Power Co	Electric Utility	McGrath	AK	6555	13	0.4	Petroleum Liquids	DFO	IC	(P) Planned for installation, but regulatory approvals not initiated	0.4
2020	12	61791	Melsam Solar	IPP	Melsam Solar	SC	62280	58	60.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	60.5
2020	12	61792	Middleton Solar	IPP	Middleton Solar	SC	62281	59	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	12	61459	Minco Wind V, LLC	IPP	Minco Wind V, LLC	OK	61837	MV	220.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	220.0
2020	12	62916	Mohave County Wind Farm	IPP	Mohave County Wind Farm	AZ	63114	MCWF	350.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	350.0
2020	12	13781	Northern States Power Co - Minnesota	IPP	Blazing Star 2 Wind Farm	MN	61650	BLZS2	200.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	200.0
2020	12	63294	Nutmeg Solar LLC	IPP	Nutmeg Solar	CT	63592	NUTMG	19.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	19.6
2020	12	14232	Otter Tail Power Co	Electric Utility	Astoria Station	SD	61144	1	245.5	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	349.0
2020	12	63279	Outlaw Wind Project LLC	IPP	Outlaw Wind Project LLC	MO	63574	GEN1	298.6	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	298.6
2020	12	63301	Paynesville CSG1 LLC	IPP	Paynesville CSG1, LLC	MN	63596	SC	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	12	61793	Pee Dee Solar I	IPP	Pee Dee Solar I	SC	62282	60	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	12	61794	Pee Dee Solar II	IPP	Pee Dee Solar II	SC	62283	61	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	12	59967	Phoenix Energy	Electric CHP	North Fork Community Power	CA	60192	NFCP1	2.0	Other Waste Biomass	OBG	IC	(T) Regulatory approvals received. Not under construction	2.0
2020	12	62689	Piney Creek, LLC	IPP	Piney Creek Solar	VA	62768	PCSOL	80.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	80.0
2020	12	63302	Plato CSG1 LLC	IPP	Plato CSG1, LLC	MN	63597	SC	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	12	62873	Plott Hound Solar, LLC	IPP	Plott Hound Solar	NC	63015	1088	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2020	12	62633	Plum Creek Wind, LLC	IPP	Plum Creek Wind Project (NE)	NE	62711	PLUM	230.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	230.0
2020	12	15248	Portland General Electric Co	Electric Utility	Faraday	OR	3045	7	9.0	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	9.0
2020	12	15248	Portland General Electric Co	Electric Utility	Faraday	OR	3045	8	9.0	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	9.0
2020	12	61795	Power Solar	IPP	Power Solar	SC	62284	62	3.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.0
2020	12	61804	Pruger Solar I	IPP	Pruger Solar I	SC	62292	63	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	12	61805	Pruger Solar II	IPP	Pruger Solar II	SC	62293	64	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	12	61806	Pruger Solar III	IPP	Pruger Solar III	SC	62294	65	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	12	61807	Quest Solar	IPP	Quest Solar	SC	62299	66	40.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	40.0
2020	12	60982	RE Maplewood LLC	IPP	RE Maplewood	TX	61346	PV1	250.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	250.0
2020	12	56215	RWE Renewables Americas LLC	IPP	Boiling Springs Wind Farm	OK	62871	BGSPS	148.4	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	148.4

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)
2020	12	56215	RWE Renewables Americas LLC	IPP	West Raymond Wind Farm LLC	TX	62855	WRAYM	239.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	239.8
2020	12	63141	Rancho Seco Solar II, LLC	IPP	Rancho Seco Solar II, LLC	CA	63387	RSS2	160.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	160.0
2020	12	62778	Rattlesnake Flat, LLC	IPP	Rattlesnake	WA	62936	RAT	144.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	144.0
2020	12	62871	Ray Wilson Solar, LLC	IPP	Ray Wilson Solar	NC	63017	1090	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2020	12	61727	Reloj del Sol Wind Farm LLC	IPP	Reloj del Sol Wind Farm	TX	62207	RELOJ	209.4	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	209.4
2020	12	61590	Richmond Spider Solar LLC	IPP	Richmond Spider Solar	VA	62011	RMDSS	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2020	12	61808	Rollins Solar	IPP	Rollins Solar	SC	62295	67	63.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	63.0
2020	12	62761	Rosewater Wind Farm LLC	IPP	Rosewater Wind Farm	IN	62891	ROSEW	102.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	102.0
2020	12	61809	Ross Solar	IPP	Ross Solar	SC	62296	68	75.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	75.0
2020	12	62743	RoxWind LLC	IPP	RoxWind	ME	62857	WIND1	15.3	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	15.3
2020	12	61810	Rutledge Solar	IPP	Rutledge Solar	SC	62297	69	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	12	61624	SR Snipesville	IPP	Snipesville	GA	62165	SNIPE	61.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	61.0
2020	12	63303	Sacred Heart CSG1 LLC	IPP	Sacred Heart CSG1, LLC	MN	63598	SC	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	12	61828	Scarlet Solar	IPP	Scarlet Solar	SC	62307	71	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	12	61830	Shining Sun Solar	IPP	Shining Sun Solar	SC	62309	73	40.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	40.0
2020	12	59770	Shorthorn Holdings, LLC	IPP	Shorthorn Holdings	SC	60028	PV1	15.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	15.4
2020	12	61831	Shorthorn Solar	IPP	Shorthorn Solar	SC	62310	74	60.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	60.5
2020	12	62146	Sigurd Solar LLC	IPP	Sigurd Solar LLC	UT	62666	SGSOL	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2020	12	62023	Skeleton Creek Energy Center	IPP	Skeleton Creek Energy Center Hybrid	OK	62494	SKC	250.0	Onshore Wind Turbine	WND	WT	(OT) Other	250.0
2020	12	61832	Snoopy Solar	IPP	Snoopy Solar	SC	62311	75	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	12	63137	Solar Frontier Americas Development	IPP	Mustang Two	CA	62015	M2BAR	50.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	50.0
2020	12	63137	Solar Frontier Americas Development	IPP	Mustang Two	CA	62015	M2WHI	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
2020	12	61833	Southard Solar	IPP	Southard Solar	SC	62312	76	6.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	6.0
2020	12	17609	Southern California Edison Co	Electric Utility	Cadillac Battery Energy Storage Facility	CA	63326	CAD1	3.5	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	3.5
2020	12	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
2020	12	17609	Southern California Edison Co	Electric Utility	DESI-2 Battery Storage Facility	CA	62460	DESI2	1.4	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	1.4
2020	12	17609	Southern California Edison Co	Electric Utility	Yorktown Battery Energy Storage Facility	CA	63325	YORK1	3.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	3.0
2020	12	17718	Southwestern Public Service Co	Electric Utility	Sagamore Wind	NM	63578	SWF01	522.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	522.0
2020	12	62717	Speedway Solar NC, LLC	IPP	Speedway Solar NC, LLC	NC	62821	GEN1	22.6	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	22.6
2020	12	61834	Stamey Solar	IPP	Stamey Solar	SC	62313	77	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	12	60531	Standard Solar	IPP	USS Buckaroo Solar LLC CSG	MN	63153	BUCKR	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	12	63304	Stewart CSG1 LLC	IPP	Stewart CSG1, LLC	MN	63599	SC	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2020	12	62716	Stony Knoll Solar, LLC	IPP	Stony Knoll Solar, LLC	NC	62820	GEN1	22.6	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	22.6
2020	12	62699	SunEast Dog Corners Solar LLC	IPP	SunEast Dog Corners Solar Project	NY	62823	Q584	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2020	12	62757	SunEast Hills Solar LLC	IPP	SunEast Hills Solar Project	NY	62895	Q581	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2020	12	62698	SunEast Skyline Solar LLC	IPP	SunEast Skyline Solar Project	NY	62816	Q670	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2020	12	62756	SunEast Watkins Road Solar LLC	IPP	SunEast Watkins Road Solar Project	NY	62896	Q586	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2020	12	63106	Sutton Solar 2, LLC	IPP	Sutton Solar 2, LLC	MA	63336	6004	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2020	12	62824	Syncarpha Northbridge I, LLC	IPP	Syncarpha Northbridge I Hybrid	MA	62977	SYN1B	4.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	4.0
2020	12	61954	Techren Solar V LLC	IPP	Techren Solar V	NV	62440	TECH5	50.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	50.0
2020	12	61836	Tedder Solar	IPP	Tedder Solar	SC	62315	79	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	12	63224	Tehachapi Plains Wind, LLC	IPP	Point Wind	CA	63482	PW1	64.5	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	64.5
2020	12	61837	Ten Governors Solar	IPP	Ten Governors Solar	SC	62316	80	28.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	28.0
2020	12	61862	Thomas Solar	IPP	Thomas Solar	SC	62352	81	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	12	61861	Topaz Solar	IPP	Topaz Solar (SC)	SC	62349	82	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	12	63328	USS Goodrich Solar	IPP	USS Goodrich Solar	IL	63620	USGCH	2.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.0
2020	12	63327	USS Grandpa Solar	IPP	USS Grandpa Solar	IL	63619	USGPA	1.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.0
2020	12	63326	USS Solar Brick	IPP	USS Solar Brick	IL	63618	USBRK	2.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.0
2020	12	63329	USS Sycamore Solar	IPP	USS Sycamore Solar	IL	63621	USSYC	2.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.0
2020	12	61859	Ulmer Solar	IPP	Ulmer Solar	SC	62343	85	22.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	22.0
2020	12	19876	Virginia Electric & Power Co	IPP	Desper Solar	VA	62730	1	88.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	88.2
2020	12	61522	Viridity Energy Solutions, Inc.	IPP	Vallecito	CA	62801	ORN34	10.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	10.0
2020	12	61868	WSW Solar	IPP	WSW Solar	SC	62350	86	10.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	10.8
2020	12	63129	Wapello Solar LLC	IPP	Wapello Solar LLC	IA	63378	WAPLO	100.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	100.0
2020	12	61863	Washington Solar (SC)	IPP	Washington Solar (SC)	SC	62342	87	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	12	61864	Washington Solar II (SC)	IPP	Washington Solar II (SC)	SC	62344	88	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	12	61866	Weaver Solar	IPP	Weaver Solar	SC	62347	90	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2020	12	62668	Wheatridge Wind Energy, LLC	IPP	Wheatridge Hybrid	OR	62745	WIND	300.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	300.0
2020	12	62079	White Cloud Wind Project, LLC	IPP	White Cloud Wind Project, LLC	MO	62624	WTCWF	236.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	236.5
2020	12	62808	Whitehorn Solar, LLC	IPP	Whitehorn Solar	VA	62959	WHIT1	50.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	50.0
2020	12	59316	Whitetail Solar LLC	IPP	Whitetail Solar	SC	59569	PV1	10.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	10.0
2020	12	20860	Wisconsin Public Service Corp	Electric Utility	Two Creeks Solar	WI	63105	1	150.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	150.0
2020	12	61869	Wysong Solar	IPP	Wysong Solar	SC	62351	92	2.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.3
2020	12	61871	York Solar	IPP	York Solar	SC	62354	94	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2021	1	62160	AES ES Alamitos, LLC	IPP	AES ES ALAMITOS, LLC	CA	61204	ALMTS	100.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	100.0
2021	1	59315	Bradley Farm LLC	IPP	Bradley Farm (Dudley)	NC	62593	PV1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2021	1	56769	Consolidated Edison Development Inc.	IPP	CED Crane Solar	TX	63519	CRN1	150.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	150.0
2021	1	61978	Convergent Energy and Power LP	IPP	Orange County Energy Storage 2	CA	62497	OCES2	9.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	9.0
2021	1	61978	Convergent Energy and Power LP	IPP	Orange County Energy Storage 3	CA	62499	OCES3	6.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	6.0
2021	1	7140	Georgia Power Co	Electric Utility	Robins Air Force Base Solar	GA	61648	1	139.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	139.0
2021	1	60195	Groton Station Fuel Cell, LLC	IPP	Naval Sub Base New London Fuel Cell	CT	61743	MMH3	3.7	Other Natural Gas	NG	FC	(U) Under construction, less than or equal to 50 percent complete	3.7
2021	1	62763	Hecate Grid, LLC	IPP	Hecate Energy Johanna Facility	CA	62889	HEGJF	20.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	20.0
2021	1	9234	Indiana Municipal Power Agency	Electric Utility	Columbia City Solar Park	IN	62769	SCOLU	4.8	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.8
2021	1	12436	Michigan State University	Commercial	T B Simon Power Plant	MI	10328	GEN7	9.0	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.0
2021	1	12436	Michigan State University	Commercial	T B Simon Power Plant	MI	10328	GEN8	9.0	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.0
2021	1	12436	Michigan State University	Commercial	T B Simon Power Plant	MI	10328	GEN9	9.0	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	9.0
2021	1	63082	ProEnergy Services	IPP	HO Clarke Generating	TX	63335	CTG-1	45.5	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	60.5
2021	1	63082	ProEnergy Services	IPP	HO Clarke Generating	TX	63335	CTG-2	45.5	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	60.5
2021	1	63082	ProEnergy Services	IPP	HO Clarke Generating	TX	63335	CTG-3	45.5	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	60.5
2021	1	63082	ProEnergy Services	IPP	HO Clarke Generating	TX	63335	CTG-4	45.5	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	60.5
2021	1	63082	ProEnergy Services	IPP	HO Clarke Generating	TX	63335	CTG-5	45.5	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	60.5
2021	1	63082	ProEnergy Services	IPP	HO Clarke Generating	TX	63335	CTG-6	45.5	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	60.5
2021	1	63210	Saint Solar LLC	IPP	Saint Solar	AZ	63476	SAINT	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0

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)
2021	1	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
2021	1	63257	Solar Carver 1, LLC	IPP	Solar Carver 1	MA	63541	BCRV1	2.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	2.0
2021	1	63257	Solar Carver 1, LLC	IPP	Solar Carver 1	MA	63541	SCRV1	2.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.0
2021	1	63243	Solar Carver 3, LLC	IPP	Solar Carver 3	MA	63506	BCRV3	1.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	1.0
2021	1	63243	Solar Carver 3, LLC	IPP	Solar Carver 3	MA	63506	SCRV3	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2021	1	60131	South Field Energy, LLC	IPP	South Field Energy	OH	60356	SFECC	1,060.0	Natural Gas Fired Combined Cycle	NG	CC	(U) Under construction, less than or equal to 50 percent complete	1,105.0
2021	1	18454	Tampa Electric Co	Electric Utility	Durrance	FL	63495	1	60.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	60.0
2021	1	6775	Village of Freeport - (NY)	Electric Utility	Plant No 1 Freeport	NY	2678	ENG13	3.0	Landfill Gas	LFG	IC	(L) Regulatory approvals pending. Not under construction	3.0
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	3258	Central Iowa Power Cooperative	Electric Utility	Summit Lake	IA	1206	R1	18.4	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.8
2021	2	3258	Central Iowa Power Cooperative	Electric Utility	Summit Lake	IA	1206	R2	18.4	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.8
2021	2	3258	Central Iowa Power Cooperative	Electric Utility	Summit Lake	IA	1206	R3	18.4	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.8
2021	2	61060	Cypress Creek Renewables	IPP	Pine Valley Solar Farm, LLC	NC	60298	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2021	2	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
2021	3	60718	Energy Resources USA, Inc.	IPP	Tom Bevill Lock and Dam Hydroelectric	AL	61749	GEN1	4.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	4.0
2021	3	60718	Energy Resources USA, Inc.	IPP	Tom Bevill Lock and Dam Hydroelectric	AL	61749	GEN2	4.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	4.0
2021	3	60718	Energy Resources USA, Inc.	IPP	Tom Bevill Lock and Dam Hydroelectric	AL	61749	GEN3	4.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	4.0
2021	3	61130	Helix Ravenswood, LLC	IPP	Ravenswood	NY	2500	RWES1	129.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	129.0
2021	3	61130	Helix Ravenswood, LLC	IPP	Ravenswood	NY	2500	RWES2	98.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	98.0
2021	3	61130	Helix Ravenswood, LLC	IPP	Ravenswood	NY	2500	RWES3	89.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	89.0
2021	3	62912	Iris Solar LLC	IPP	Iris Solar LLC	LA	63128	ISLLC	50.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	50.0
2021	3	14328	Pacific Gas & Electric Co.	Electric Utility	Elkhorn Battery Energy Storage System	CA	62564	ELKHO	182.5	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	182.5
2021	3	62646	Painter Energy Storage, LLC	IPP	Painter Energy Storage	CA	62729	PAIN1	10.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	10.0
2021	3	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
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	60387	Skylar Resources, LP	IPP	Townsite Solar Project	NV	60654	GEN02	20.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	20.0
2021	3	58846	Southeast Renewable Fuels, LLC	Industrial	SRF Sorghum to Ethanol Advanced Biorefinery	FL	58997	G1001	6.0	Wood/Wood Waste Biomass	WDS	ST	(U) Under construction, less than or equal to 50 percent complete	20.0
2021	3	62820	Syncarpha Millbury, LLC	IPP	Syncarpha Millbury Hybrid	MA	62974	SYMIB	3.8	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	3.8
2021	3	62820	Syncarpha Millbury, LLC	IPP	Syncarpha Millbury Hybrid	MA	62974	SYMIS	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2021	3	62812	Syncarpha Tewksbury, LLC	IPP	Syncarpha Tewksbury Hybrid	MA	62968	SYTKB	2.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	2.0
2021	3	62812	Syncarpha Tewksbury, LLC	IPP	Syncarpha Tewksbury Hybrid	MA	62968	SYTKS	2.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.8
2021	3	62813	Syncarpha Westminster, LLC	IPP	Syncarpha Westminster Hybrid	MA	62971	SYWEB	2.9	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	2.9
2021	3	62813	Syncarpha Westminster, LLC	IPP	Syncarpha Westminster Hybrid	MA	62971	SYWES	4.7	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.7
2021	3	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
2021	3	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
2021	3	62048	Westlands Almond LLC	IPP	Almond	CA	62546	ALMND	19.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	19.9
2021	3	63276	Woodfields Solar, LLC	IPP	Woodfields Solar	SC	63552	PGR21	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2021	4	63004	Abundant Solar Power Inc.	IPP	Deiter-STEU	NY	63226	2078	2.2	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.2
2021	4	63004	Abundant Solar Power Inc.	IPP	Gibson-STEU	NY	63227	8675	11.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	11.5
2021	4	63004	Abundant Solar Power Inc.	IPP	Wheaton-STEU	NY	63228	11410	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2021	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
2021	4	6452	Florida Power & Light Co	Electric Utility	Discovery Solar Center	FL	63109	1	74.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	74.5
2021	4	6452	Florida Power & Light Co	Electric Utility	Orange Blossom Solar Center	FL	62919	1	74.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	74.5
2021	4	6452	Florida Power & Light Co	Electric Utility	Palm Bay Solar	FL	62921	1	74.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	74.5
2021	4	6452	Florida Power & Light Co	Electric Utility	Pelican Solar Center	FL	62924	1	74.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	74.5
2021	4	6452	Florida Power & Light Co	Electric Utility	Rodeo Solar Center	FL	62917	1	74.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	74.5
2021	4	6452	Florida Power & Light Co	Electric Utility	Sabal Palm Solar Center	FL	63110	1	74.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	74.5
2021	4	55983	Luminant Generation Company LLC	IPP	Emerald Grove	TX	63233	UNIT1	108.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	108.0
2021	4	55983	Luminant Generation Company LLC	IPP	Hallmark	TX	63234	UNIT1	42.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	42.0
2021	4	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
2021	4	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
2021	4	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
2021	4	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
2021	4	56545	Pattern Operators LP	IPP	G.S.E. One LLC	TX	62505	1	82.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	83.0
2021	4	63275	Samoset Solar, LLC	IPP	Samoset Solar	ME	63551	PGR21	2.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.0
2021	4	62152	Skipjack Solar Center, LLC	IPP	Skipjack Solar Center	VA	62675	SKIPJ	175.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	175.0
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	63012	2W Permian Solar, LLC	IPP	2W Permian Solar Project	TX	63255	2WPBA	40.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	40.0
2021	5	63012	2W Permian Solar, LLC	IPP	2W Permian Solar Project	TX	63255	2WPSO	420.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	420.0
2021	5	61608	Agilon Energy Holdings II, LLC	IPP	Victoria Port Power II LLC	TX	61966	VP2-1	43.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	50.0
2021	5	61608	Agilon Energy Holdings II, LLC	IPP	Victoria Port Power II LLC	TX	61966	VP2-2	43.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	50.0
2021	5	62049	Aquamarine Westside LLC	IPP	Aquamarine	CA	62547	AQUAM	250.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	250.0
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	5	62091	Derby Fuel Cell LLC	IPP	Derby Fuel Cell	CT	62588	MM45	2.8	Other Natural Gas	NG	FC	(P) Planned for installation, but regulatory approvals not initiated	2.8
2021	5	62091	Derby Fuel Cell LLC	IPP	Derby Fuel Cell	CT	62588	MM46	2.8	Other Natural Gas	NG	FC	(P) Planned for installation, but regulatory approvals not initiated	2.8
2021	5	62091	Derby Fuel Cell LLC	IPP	Derby Fuel Cell	CT	62588	MM47	2.8	Other Natural Gas	NG	FC	(P) Planned for installation, but regulatory approvals not initiated	2.8
2021	5	62091	Derby Fuel Cell LLC	IPP	Derby Fuel Cell	CT	62588	MM48	2.8	Other Natural Gas	NG	FC	(P) Planned for installation, but regulatory approvals not initiated	2.8
2021	5	62091	Derby Fuel Cell LLC	IPP	Derby Fuel Cell	CT	62588	MM49	2.8	Other Natural Gas	NG	FC	(P) Planned for installation, but regulatory approvals not initiated	2.8
2021	5	62898	Dflex Power, LLC	IPP	John Paul Jones	TX	63095	JPJDX	18.7	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	18.7
2021	5	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
2021	5	61942	Griffin Trail Wind, LLC	IPP	Griffin Trail Wind	TX	62411	GTWND	225.6	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	225.6
2021	5	62807	Hawtree Creek Farm Solar, LLC	IPP	Hawtree Solar	NC	62951	HAWT1	65.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	65.0
2021	5	62064	Hill Top Energy Center, LLC	IPP	Hill Top Energy Center, LLC	PA	62565	GEN1	619.1	Natural Gas Fired Combined Cycle	NG	CC	(T) Regulatory approvals received. Not under construction	664.7
2021	5	55983	Luminant Generation Company LLC	IPP	Alira	TX	63193	UNIT1	222.8	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	222.8
2021	6	63118	224WB 8me LLC	IPP	Galloway 2 Solar Farm	TX	63343	GS2SF	110.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	110.0
2021	6	61523	225DD 8me LLC	IPP	Galloway 1 Solar Farm	TX	61920	GSM01	250.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	250.0
2021	6	61525	231RC 8me LLC	IPP	Norton Solar Farm	TX	61967	NSM01	125.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	125.0
2021	6	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
2021	6	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
2021	6	61825	Antelope Expansion 1B, LLC	IPP	Antelope Expansion 1B	CA	62320	ANE1B	17.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	17.0
2021	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
2021	6	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

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)
2021	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
2021	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
2021	6	62746	Don Lee BESS 1 LLC	IPP	Don Lee BESS 1 LLC	CA	62872	DONL1	6.5	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	6.5
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	58970	Ecoplexus, Inc	IPP	High Shoals PV1	NC	59997	HISHO	16.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	16.0
2021	6	58970	Ecoplexus, Inc	IPP	Willoughby PV1	NC	60003	WILL1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
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	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
2021	6	6909	Gainesville Regional Utilities	Electric Utility	John R Kelly	FL	664	8.2	40.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	50.0
2021	6	7140	Georgia Power Co	Electric Utility	Fort Valley State University Solar	GA	63062	1	10.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	10.8
2021	6	7140	Georgia Power Co	Electric Utility	Georgia College & State University Solar	GA	63282	1	3.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.5
2021	6	61122	Great River Hydro, LLC	IPP	S C Moore	NH	2351	GEN5	4.6	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	4.6
2021	6	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
2021	6	60050	Halyard Energy Henderson, LLC	IPP	Halyard Henderson Energy Center	TX	60268	TBN1	210.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	232.0
2021	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
2021	6	60002	Halyard Energy Wharton, LLC	IPP	Halyard Wharton Energy Center	TX	60221	TBN1	162.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	177.0
2021	6	60002	Halyard Energy Wharton, LLC	IPP	Halyard Wharton Energy Center	TX	60221	TBN2	162.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	177.0
2021	6	63092	IP Titan, LLC	IPP	Titan Solar Project	TX	63320	IPTTN	260.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	260.0
2021	6	49893	Invenergy Services LLC	IPP	Canisteo Wind Farm	NY	62947	GEN1	290.7	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	290.7
2021	6	56155	Lansing Board of Water and Light	Electric Utility	Delta Energy Park	MI	63259	DEPC2	48.3	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	58.0
2021	6	56155	Lansing Board of Water and Light	Electric Utility	Delta Energy Park	MI	63259	DEPC3	48.3	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	58.0
2021	6	56155	Lansing Board of Water and Light	Electric Utility	Delta Energy Park	MI	63259	DEPS1	46.3	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	58.0
2021	6	56155	Lansing Board of Water and Light	Electric Utility	Delta Energy Park	MI	63259	DEPST	81.0	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	89.2
2021	6	61219	Longroad Energy Services LLC	IPP	Muscle Shoals	AL	62462	GEN01	227.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	227.0
2021	6	11806	Massachusetts Mun Wholes Electric Co	Electric Utility	MMWEC Simple Cycle Gas Turbine	MA	63559	1	55.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	70.0
2021	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
2021	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
2021	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
2021	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
2021	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
2021	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
2021	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
2021	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
2021	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
2021	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
2021	6	61946	Prairie State Solar, LLC	IPP	Prairie State Solar Project	IL	62420	PSS01	99.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	99.0
2021	6	60982	RE Maplewood LLC	IPP	RE Maplewood	TX	61346	PV2	250.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	250.0
2021	6	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
2021	6	57109	St Joseph Energy Center LLC	IPP	St Joseph Energy Center	IN	57794	ST2	232.0	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	260.0
2021	6	62918	TPE Hopkins Solar Holdings1 LLC	IPP	Hopkins Hill CSG	RI	63136	HH1	4.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.8
2021	6	62918	TPE Hopkins Solar Holdings1 LLC	IPP	Hopkins Hill CSG	RI	63136	HH2	4.7	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.7
2021	6	19564	University of Notre Dame	Commercial	Notre Dame Hydro	IN	62918	HYD1	2.5	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	2.5
2021	6	63225	Wister Solar	IPP	Wister Solar	CA	63487	WSOL	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2021	7	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
2021	7	58416	California State University, Northridge	Commercial	CSU Northridge Plant	CA	58422	G6PV	0.7	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	0.8
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 Stream 2	AZ	63440	GEN01	150.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	150.0
2021	7	63139	Minonk Stewardship Wind LLC	IPP	Bennington Wind	IL	63384	BENN	93.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	93.0
2021	7	61593	Pleinmont Solar 2 LLC	IPP	Pleinmont Solar 2	VA	62013	PLNM2	240.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	240.0
2021	7	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
2021	8	62050	Castleman Power Development LLC	IPP	SJRR Power LLC	TX	62548	SJ-1	43.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2021	8	62050	Castleman Power Development LLC	IPP	SJRR Power LLC	TX	62548	SJ-2	43.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2021	8	56769	Consolidated Edison Development Inc.	IPP	Copper Mountain Solar 5, LLC	NV	63504	CM5-1	250.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	252.0
2021	8	61684	Diablo Energy Storage, LLC	IPP	Diablo Energy Storage	CA	62175	DIBLO	250.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	250.0
2021	8	63100	IP Juno, LLC	IPP	Juno Solar Project	TX	63328	IPJNO	300.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	300.0
2021	8	62936	TREX US Red Holly LLC	IPP	TREX US Red Holly	TX	63202	701-S	50.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	50.0
2021	9	63253	Assembly Solar II LLC	IPP	Assembly Solar II LLC	MI	63538	AS2	110.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	110.0
2021	9	61818	CC Polymers LLC	Industrial	M&G Resins USA	TX	60642	1	11.7	All Other	WH	OT	(P) Planned for installation, but regulatory approvals not initiated	14.3
2021	9	61818	CC Polymers LLC	Industrial	M&G Resins USA	TX	60642	2	11.7	All Other	WH	OT	(P) Planned for installation, but regulatory approvals not initiated	14.3
2021	9	63109	Hales Mills Solar, LLC	IPP	Hales Mills Solar, LLC	NY	63339	6609	3.6	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2021	9	19558	Homer Electric Assn Inc	Electric Utility	Soldotna	AK	57206	3	46.5	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	93.0
2021	9	63101	IP Aragorn, LLC	IPP	Aragorn Solar Project	TX	63329	IPAGN	180.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	180.0
2021	9	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
2021	9	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
2021	9	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
2021	9	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
2021	9	62700	SunEast Clay Solar LLC	IPP	SunEast Clay Solar Project	NY	62819	Q669	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	50.0
2021	10	62794	AP Solar 2, LLC	IPP	Fighting Jays Solar Project	TX	62945	FJSOL	350.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	350.0
2021	10	62659	BMP Wind LLC	IPP	BMP Wind (TX)	TX	62809	BMP	293.6	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	293.3
2021	10	62886	Clover Creek Solar, LLC	IPP	Clover Creek Solar	UT	63061	CLVR	80.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	80.0
2021	10	58970	Ecoplexus, Inc	IPP	Westminister NC	NC	63567	WSMTR	75.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	75.0
2021	10	58901	Hydro Green Energy	IPP	Braddock Lock and Dam	PA	59091	GEN1	5.3	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	5.3
2021	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

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)
2021	10	62893	Mililani I Solar LLC	IPP	Mililani South Solar Farm	HI	57242	1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2021	10	59056	Tri Global Energy, LLC	IPP	Water Valley Wind Energy	TX	62846	WWE1	150.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	150.0
2021	11	15399	Avangrid Renewables LLC	IPP	Montague Solar	OR	63441	S1	162.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	162.0
2021	11	62734	Blue Marmot IX LLC	IPP	Blue Marmot IX	OR	62867	DVRO	9.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	10.0
2021	11	62735	Blue Marmot V LLC	IPP	Blue Marmot V	OR	62866	DNZE	9.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	10.0
2021	11	62736	Blue Marmot VI LLC	IPP	Blue Marmot VI	OR	62865	DNZW	9.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	10.0
2021	11	62737	Blue Marmot VII LLC	IPP	Blue Marmot VII	OR	62864	RSHEI	9.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	10.0
2021	11	62738	Blue Marmot VIII LLC	IPP	Blue Marmot VIII	OR	62863	PRMLE	9.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	10.0
2021	11	6452	Florida Power & Light Co	Electric Utility	Manatee Solar Energy Center	FL	60014	BMS	409.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	409.0
2021	11	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
2021	11	61797	Hecate Energy LLC	IPP	Hecate Energy Columbia County Solar	NY	62273	HECC1	60.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	60.0
2021	11	63289	Key Capture Energy	IPP	NY2 Battery	NY	63584	NY2	200.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	200.0
2021	11	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
2021	11	61762	Long Ridge Energy Generation 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	521.9
2021	11	58159	Penn State University	Commercial	West Campus Steam Plant	PA	58194	CT2	5.2	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	6.1
2021	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
2021	11	56215	RWE Renewables Americas LLC	IPP	Hickory Park Solar	GA	63522	HPBAT	40.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	40.0
2021	11	56215	RWE Renewables Americas LLC	IPP	Hickory Park Solar	GA	63522	HPRK	195.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	195.5
2021	11	61516	Stratford Solar Center, LLC	IPP	Stratford Solar Center, LLC	VA	61908	STRAT	15.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	15.0
2021	11	18454	Tampa Electric Co	Electric Utility	Big Bend	FL	645	GT5	360.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	392.0
2021	11	18454	Tampa Electric Co	Electric Utility	Big Bend	FL	645	GT6	360.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	392.0
2021	11	18454	Tampa Electric Co	Electric Utility	Mountain View Solar (FL)	FL	61664	GEN1	52.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	52.5
2021	12	61477	325MK 8me LLC	IPP	Eagle Shadow Mountain Solar Farm	NV	61852	ESMSF	300.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	300.0
2021	12	59495	Ameren Missouri	Electric Utility	Green City Renewable Energy Center	MO	63065	GBESS	2.5	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	2.5
2021	12	59495	Ameren Missouri	Electric Utility	Green City Renewable Energy Center	MO	63065	GCREC	10.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	10.0
2021	12	59495	Ameren Missouri	Electric Utility	Richwoods Renewable Energy Center	MO	63066	RBESS	4.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	4.0
2021	12	59495	Ameren Missouri	Electric Utility	Richwoods Renewable Energy Center	MO	63066	RREC	10.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	10.0
2021	12	59495	Ameren Missouri	Electric Utility	Utica Renewable Energy Center	MO	63067	UBESS	2.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	2.0
2021	12	59495	Ameren Missouri	Electric Utility	Utica Renewable Energy Center	MO	63067	UREC	10.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	10.0
2021	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
2021	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
2021	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
2021	12	60927	Anchor Energy LLC	IPP	Anchor Energy	PA	61304	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2021	12	60927	Anchor Energy LLC	IPP	Anchor Energy	PA	61304	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2021	12	60927	Anchor Energy LLC	IPP	Anchor Energy	PA	61304	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2021	12	60927	Anchor Energy LLC	IPP	Anchor Energy	PA	61304	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2021	12	60927	Anchor Energy LLC	IPP	Anchor Energy	PA	61304	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2021	12	803	Arizona Public Service Co	Electric Utility	Cotton Center Solar Hybrid	AZ	57561	CC17M	17.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	17.0
2021	12	803	Arizona Public Service Co	Electric Utility	Desert Star Hybrid	AZ	62965	DS10M	10.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	10.0
2021	12	803	Arizona Public Service Co	Electric Utility	El Sol BESS	AZ	62964	EL50M	50.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	50.0
2021	12	803	Arizona Public Service Co	Electric Utility	Foothills Solar Plant Hybrid	AZ	57997	FH38M	38.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	38.0
2021	12	803	Arizona Public Service Co	Electric Utility	Gila Bend Hybrid	AZ	59020	GB36M	36.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	36.0
2021	12	803	Arizona Public Service Co	Electric Utility	Hyder II Hybrid	AZ	58383	H214M	14.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	14.0
2021	12	803	Arizona Public Service Co	Electric Utility	Hyder Solar Hybrid	AZ	57563	H116M	16.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	16.0
2021	12	803	Arizona Public Service Co	Electric Utility	Paloma Solar Hybrid	AZ	57562	PA17M	17.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	17.0
2021	12	15399	Avangrid Renewables LLC	IPP	Bakeoven Solar	OR	63507	BOS1	60.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	60.0
2021	12	15399	Avangrid Renewables LLC	IPP	Lund Hill Solar	WA	63509	LHS1	150.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	150.0
2021	12	59613	BayWa r.e. Solar Projects LLC	IPP	Bluebird Solar LLC	KY	62797	BBIRD	80.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	80.0
2021	12	62708	Black Bear Wind LLC	IPP	Black Bear Wind (MT)	MT	62808	BBW	80.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	80.0
2021	12	62713	Buenos Aires Windpower LLC	IPP	Buenos Aires Phase 1	TX	62803	BAW1	200.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	200.0
2021	12	63221	CD4	IPP	CD4	CA	63490	OEC1	17.0	Geothermal	GEO	BT	(L) Regulatory approvals pending. Not under construction	25.0
2021	12	58508	Carolina Solar Energy LLC	IPP	Cabaniss Solar	NC	60430	PV1	4.2	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.2
2021	12	58508	Carolina Solar Energy LLC	IPP	Sellers Farm Solar	NC	60439	PV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2021	12	56769	Consolidated Edison Development Inc.	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	62911	Drew Solar LLC	IPP	Drew Solar LLC	CA	63127	DS	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
2021	12	54802	Dynegy -Moss Landing LLC	IPP	Dynegy Moss Landing Power Plant	CA	260	BAT1	300.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	300.0
2021	12	61785	EDP Renewables North America LLC	IPP	Saddle Mountain East Wind Farm	WA	62263	GEN1	126.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	126.0
2021	12	58970	Ecoplexus, Inc	IPP	Grifton PV2	NC	63568	GRFT2	56.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	56.0
2021	12	59380	Enel Green Power NA, Inc.	IPP	Pomerado Energy Storage, LLC	CA	61390	PMRDO	6.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	6.0
2021	12	56615	First Solar Project Development	IPP	White Wing Solar	AZ	60572	GEN01	200.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	200.0
2021	12	62130	Foundation CA Fund X Manager LLC	IPP	Foundation Dole Fresh Vegetables	CA	62654	WTG1	2.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	2.8
2021	12	62130	Foundation CA Fund X Manager LLC	IPP	Foundation Dole Fresh Vegetables	CA	62654	WTG2	2.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	2.8
2021	12	61944	GSRP	IPP	Dry Bridge Solar (Brown University)	RI	62771	DBS1	10.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	10.0
2021	12	61944	GSRP	IPP	Dry Bridge Solar (Brown University)	RI	62771	DBS2	10.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	10.0
2021	12	61944	GSRP	IPP	Dry Bridge Solar (Brown University)	RI	62771	DBS3	10.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	10.0
2021	12	61944	GSRP	IPP	Dry Bridge Solar (Brown University)	RI	62771	DBS4	10.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	10.0
2021	12	62759	Geronimo Energy	IPP	Elk Creek Solar	MN	63250	ELKCR	80.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	80.0
2021	12	62759	Geronimo Energy	IPP	Prairie Wolf Solar LLC	IL	62893	PWOLF	200.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	200.0
2021	12	62704	Grizzly Wind LLC	IPP	Grizzly Wind LLC	MT	62802	GW	80.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	80.0
2021	12	62153	Hecate Energy Highland LLC	IPP	Hecate Energy Highland LLC	OH	62670	HIGHL	300.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	300.0
2021	12	62765	High Bridge Wind, LLC	IPP	High Bridge Wind Project	NY	62894	WT	100.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	100.0
2021	12	62983	IP Athos, LLC	IPP	Athos Solar Project	CA	63300	IPAT1	250.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	250.0
2021	12	61853	Innogy Renewables US LLC	IPP	Buckeye Wind Farm	OH	58776	1	99.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	99.0
2021	12	49893	Invenergy Services LLC	IPP	Alle-Catt Wind Energy LLC	NY	62954	GEN1	340.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	340.0
2021	12	49893	Invenergy Services 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
2021	12	49893	Invenergy Services LLC	IPP	Horseshoe Solar Energy	NY	63096	GEN1	180.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	180.0
2021	12	49893	Invenergy Services LLC	IPP	Yum Yum Solar LLC	TN	63026	GEN1	147.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	147.0
2021	12	58378	Jordan Hydroelectric LTD PTP	IPP	Flannagan Hydroelectric Project	VA	58827	LEFT	0.4	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.4
2021	12	58378	Jordan Hydroelectric LTD PTP	IPP	Flannagan Hydroelectric Project	VA	58827	LEFT1	0.4	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.4
2021	12	58378	Jordan Hydroelectric LTD PTP	IPP	Flannagan Hydroelectric Project	VA	58827	LEFT2	0.4	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.4
2021	12	58378	Jordan Hydroelectric LTD PTP	IPP	Flannagan Hydroelectric Project	VA	58827	RGHT	0.4	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.4
2021	12	63107	Lansing Renewables, LLC	IPP	Lansing Renewables, LLC	NY	63337	6004	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2021	12	61421	LeGore Bridge Solar Center, LLC	IPP	LeGore Bridge Solar Center	MD	61796	LGBSC	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2021	12	62664	Lock 14 Hydro Partners, LLC	IPP	Heidelberg Hydroelectric Project	KY	62749	1	0.5	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	0.5
2021	12	62664	Lock 14 Hydro Partners, LLC	IPP	Heidelberg Hydroelectric Project	KY	62749	2	0.5	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	0.5
2021	12	62664	Lock 14 Hydro Partners, LLC	IPP	Heidelberg Hydroelectric Project	KY	62749	3	0.5	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	0.5
2021	12	62664	Lock 14 Hydro Partners, LLC	IPP	Heidelberg Hydroelectric Project	KY	62749	4	0.5	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	0.5
2021	12	62664	Lock 14 Hydro Partners, LLC	IPP	Heidelberg Hydroelectric Project	KY	62749	5	0.5	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	0.5
2021	12	58783	Marseilles Land and Water Company	IPP	Marseilles Lock and Dam Hydro	IL	58903	UNIT1	2.6	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	2.6
2021	12	58783	Marseilles Land and Water Company	IPP	Marseilles Lock and Dam Hydro	IL	58903	UNIT2	2.6	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	2.6
2021	12	58783	Marseilles Land and Water Company	IPP	Marseilles Lock and Dam Hydro	IL	58903	UNIT3	2.6	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	2.6
2021	12	58783	Marseilles Land and Water Company	IPP	Marseilles Lock and Dam Hydro	IL	58903	UNIT4	2.6	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	2.6
2021	12	63231	Maverick Wind Project, LLC	IPP	Maverick Wind Project, LLC	OK	63494	GEN1	288.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	288.0
2021	12	62675	Meherrin Solar LLC	IPP	Meherrin Solar	VA	62758	MEHER	59.6	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	59.6
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	63216	North Valley	IPP	North Valley	NV	63491	OEC1	25.0	Geothermal	GEO	BT	(L) Regulatory approvals pending. Not under construction	37.0
2021	12	63110	Owlville Creek Solar 2, LLC	IPP	Owlville Creek Solar 2, LLC	NY	63340	6609	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2021	12	63111	Owlville Creek Solar, LLC	IPP	Owlville Creek Solar, LLC	NY	63341	6608	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2021	12	14328	Pacific Gas & Electric Co.	Electric Utility	Llagas Energy Storage	CA	63529	LLAGS	20.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	20.0
2021	12	56545	Pattern Operators LP	IPP	Old Jackson Solar LLC	TX	62501	1	127.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	128.0
2021	12	56545	Pattern Operators LP	IPP	Solemio LLC	TX	62522	1	79.8	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	80.0
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	56215	RWE Renewables Americas LLC	IPP	Blackjack Creek Wind Farm	TX	62783	BLKJK	239.6	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	239.6
2021	12	61784	Rolling Upland Wind Farm LLC	IPP	Rolling Upland Wind Farm LLC	NY	62262	GEN1	60.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	60.0
2021	12	62896	Rooney Ranch, LLC	IPP	Rooney Ranch	CA	63088	ROONR	21.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	21.0
2021	12	61900	SR Arlington, LLC	IPP	SR Arlington I	GA	62436	ARLI	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2021	12	62907	Sand Hill A, LLC	IPP	Sand Hill A	CA	63126	SNDHA	13.5	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	13.5
2021	12	62109	Searcy Solar, LLC	IPP	Searcy Solar Hybrid	AR	62617	SEABT	10.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	10.0
2021	12	62109	Searcy Solar, LLC	IPP	Searcy Solar Hybrid	AR	62617	SEARC	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2021	12	60387	Skylar Resources, LP	IPP	Townsite Solar Project	NV	60654	GEN01	160.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	180.0
2021	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
2021	12	63140	Three Rivers Solar Power, LLC	IPP	Three Rivers Solar Power, LLC	ME	63386	3RIVS	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
2021	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
2021	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
2021	12	62668	Wheatridge Wind Energy, LLC	IPP	Wheatridge Hybrid	OR	62745	BTRY	30.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	30.0
2021	12	62668	Wheatridge Wind Energy, LLC	IPP	Wheatridge Hybrid	OR	62745	SOLAR	50.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	50.0
2021	12	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
2021	12	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
2021	12	60932	Wrighter Energy LLC	IPP	Wrighter Energy	PA	61302	GEN1	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2021	12	60932	Wrighter Energy LLC	IPP	Wrighter Energy	PA	61302	GEN2	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2021	12	60932	Wrighter Energy LLC	IPP	Wrighter Energy	PA	61302	GEN3	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2021	12	60932	Wrighter Energy LLC	IPP	Wrighter Energy	PA	61302	GEN4	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2021	12	60932	Wrighter Energy LLC	IPP	Wrighter Energy	PA	61302	GEN5	4.2	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.4
2022	1	61060	Cypress Creek Renewables	IPP	Thigpen Farms Solar, LLC	NC	60850	PV1	5.0	Solar Photovoltaic	SUN	PV	(OT) Other	5.0
2022	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
2022	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
2022	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
2022	1	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
2022	1	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
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	2	55983	Luminant Generation Company LLC	IPP	Jayhawk	TX	59806	SOLAR	101.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	101.0
2022	2	60836	NTE Connecticut, LLC	IPP	Killingly Energy Center	CT	61239	KEC	374.3	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	501.0
2022	2	60836	NTE Connecticut, LLC	IPP	Killingly Energy Center	CT	61239	KEC2	257.6	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	312.8
2022	3	61395	Indeck Niles, LLC	IPP	Indeck Niles Energy Center	MI	55460	CT1	370.6	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	370.6
2022	3	61395	Indeck Niles, LLC	IPP	Indeck Niles Energy Center	MI	55460	CT2	370.6	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	370.6
2022	3	61395	Indeck Niles, LLC	IPP	Indeck Niles Energy Center	MI	55460	ST1	368.1	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	368.1
2022	3	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
2022	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
2022	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
2022	4	5109	DTE Electric Company	Electric Utility	Blue Water Energy Center	MI	62192	11	359.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	394.4
2022	4	5109	DTE Electric Company	Electric Utility	Blue Water Energy Center	MI	62192	12	359.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	394.4
2022	4	5109	DTE Electric Company	Electric Utility	Blue Water Energy Center	MI	62192	1S	428.0	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	478.6
2022	4	62983	IP Athos, LLC	IPP	Athos Solar Project	CA	63300	IPAT2	200.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	200.0
2022	4	62787	Jackson Generation, LLC	IPP	Jackson Generation, LLC	IL	62926	01	600.0	Natural Gas Fired Combined Cycle	NG	CS	(T) Regulatory approvals received. Not under construction	600.0
2022	4	62787	Jackson Generation, LLC	IPP	Jackson Generation, LLC	IL	62926	02	600.0	Natural Gas Fired Combined Cycle	NG	CS	(T) Regulatory approvals received. Not under construction	600.0
2022	4	62935	TREX US Green Holly LLC	IPP	TREX US Green Holly	TX	63201	705	400.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	400.0
2022	4	62935	TREX US Green Holly LLC	IPP	TREX US Green Holly	TX	63201	705-S	5.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	5.0
2022	5	15399	Avangrid Renewables LLC	IPP	Camino Solar	CA	63508	CS1	44.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	44.0
2022	6	62921	Arroyo Solar LLC	IPP	Arroyo Solar Energy Storage Hybrid	NM	63172	ARESS	40.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	40.0
2022	6	62921	Arroyo Solar LLC	IPP	Arroyo Solar Energy Storage Hybrid	NM	63172	ARSOL	300.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	300.0
2022	6	62920	Cabin Point Solar Center LLC	IPP	Cabin Point Solar Center	VA	63134	CBNPT	75.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	75.0
2022	6	6452	Florida Power & Light Co	Electric Utility	Lauderdale	FL	613	7GT1	385.6	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	385.6
2022	6	6452	Florida Power & Light Co	Electric Utility	Lauderdale	FL	613	7GT2	385.6	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	385.6
2022	6	6452	Florida Power & Light Co	Electric Utility	Lauderdale	FL	613	ST7	391.8	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	391.8
2022	6	15473	Public Service Co of NM	Electric Utility	Pinon Energy Center	NM	63281	GT1	42.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	41.8
2022	6	15473	Public Service Co of NM	Electric Utility	Pinon Energy Center	NM	63281	GT2	42.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	41.8
2022	6	15473	Public Service Co of NM	Electric Utility	Pinon Energy Center	NM	63281	GT3	42.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	41.8
2022	6	15473	Public Service Co of NM	Electric Utility	Pinon Energy Center	NM	63281	GT4	42.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	41.8
2022	6	15473	Public Service Co of NM	Electric Utility	Pinon Energy Center	NM	63281	GT5	42.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	41.8
2022	6	15473	Public Service Co of NM	Electric Utility	Pinon Energy Center	NM	63281	GT6	42.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	41.8
2022	6	15473	Public Service Co of NM	Electric Utility	Pinon Energy Center	NM	63281	GT7	42.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	41.8
2022	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	1,022.9
2022	6	57109	St Joseph Energy Center LLC	IPP	St Joseph Energy Center	IN	57794	CT4	237.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	238.0
2022	6	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
2022	6	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)
2022	6	62650	Victorville Energy Center, LLC	Industrial	Victorville Energy Center, LLC (CA)	CA	62726	1	20.1	All Other	WH	ST	(P) Planned for installation, but regulatory approvals not initiated	20.1
2022	7	49893	Invenergy Services LLC	IPP	Delilah Solar Energy LLC	TX	63194	GEN1	250.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	250.0
2022	7	62936	TREX US Red Holly LLC	IPP	TREX US Red Holly	TX	63202	701	250.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	250.0
2022	8	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
2022	8	62806	Guernsey Power Station LLC	IPP	Guernsey Power Station	OH	62949	GPS1	612.0	Natural Gas Fired Combined Cycle	NG	CS	(L) Regulatory approvals pending. Not under construction	685.0
2022	9	62806	Guernsey Power Station LLC	IPP	Guernsey Power Station	OH	62949	GPS2	612.0	Natural Gas Fired Combined Cycle	NG	CS	(L) Regulatory approvals pending. Not under construction	685.0
2022	10	62709	Bakerstand Solar LLC	IPP	Bakerstand Solar (NY)	NY	62811	BKSTD	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2022	10	62806	Guernsey Power Station LLC	IPP	Guernsey Power Station	OH	62949	GPS3	612.0	Natural Gas Fired Combined Cycle	NG	CS	(L) Regulatory approvals pending. Not under construction	685.0
2022	10	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
2022	10	61906	Rye Development	IPP	Allegheny L&D2 Hydroelectric Project	PA	62401	NA1	2.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	4.5
2022	10	61906	Rye Development	IPP	Arkabutla Lake Hydroelectric Project	MS	62402	NA1	1.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.5
2022	10	61906	Rye Development	IPP	Beverly L&D Hydroelectric Project	OH	62403	NA1	1.2	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	1.5
2022	10	61906	Rye Development	IPP	Devola L&D Hydroelectric Project	OH	62435	NA1	1.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.0
2022	10	61906	Rye Development	IPP	Emsworth BC Hydroelectric Project	PA	62434	NA1	3.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	5.5
2022	10	61906	Rye Development	IPP	Emsworth L&D Hydroelectric Project	PA	62433	NA1	5.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	8.5
2022	10	61906	Rye Development	IPP	Enid Lake Hydroelectric Project	MS	62432	NA1	1.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.5
2022	10	61906	Rye Development	IPP	Grays Landing L&D Hydroelectric Project	PA	62388	NA1	4.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	6.0
2022	10	61906	Rye Development	IPP	Grenada Lake Hydroelectric Project	MS	62430	NA1	4.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	5.0
2022	10	61906	Rye Development	IPP	KY No. 11 L&D Hydroelectric Project	KY	62390	NA1	0.3	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	0.5
2022	10	61906	Rye Development	IPP	Lowell L&D Hydroelectric Project	OH	62429	NA1	2.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.5
2022	10	61906	Rye Development	IPP	Maxwell L&D Hydroelectric Project	PA	62385	NA1	4.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	6.0
2022	10	61906	Rye Development	IPP	Monongahela L&D4 Hydroelectric Project	PA	62404	NA1	4.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	6.0
2022	10	61906	Rye Development	IPP	Montgomery L&D Hydroelectric Project	PA	62400	NA1	5.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	9.5
2022	10	61906	Rye Development	IPP	Morgantown L&D Hydroelectric Project	WV	62387	NA1	1.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.5
2022	10	61906	Rye Development	IPP	Opekiska L&D Hydroelectric Project	WV	62386	NA1	2.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	3.0
2022	10	61906	Rye Development	IPP	Overton Hydroelectric Project	LA	62391	NA1	5.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	8.1
2022	10	61906	Rye Development	IPP	Philo L&D Hydroelectric Project	OH	62427	NA1	1.2	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	1.5
2022	10	61906	Rye Development	IPP	Point Marion L&D Hydroelectric Project	PA	62384	NA1	1.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.5
2022	10	61906	Rye Development	IPP	Rokeby L&D Hydroelectric Project	OH	62426	NA1	1.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.0
2022	10	61906	Rye Development	IPP	Sardis Lake Hydroelectric Project	MS	62425	NA1	5.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	7.5
2022	11	60797	68SF 8me LLC	IPP	Eland Solar & Storage Center, Phase 1 Hybrid	CA	61168	61168	150.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	150.0
2022	11	60797	68SF 8me LLC	IPP	Eland Solar & Storage Center, Phase 1 Hybrid	CA	61168	68SF8	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2022	11	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
2022	11	61906	Rye Development	IPP	Allegheny L&D2 Hydroelectric Project	PA	62401	NA2	2.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	4.5
2022	11	61906	Rye Development	IPP	Arkabutla Lake Hydroelectric Project	MS	62402	NA2	1.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.5
2022	11	61906	Rye Development	IPP	Beverly L&D Hydroelectric Project	OH	62403	NA2	1.2	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	1.5
2022	11	61906	Rye Development	IPP	Devola L&D Hydroelectric Project	OH	62435	NA2	1.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.0
2022	11	61906	Rye Development	IPP	Emsworth BC Hydroelectric Project	PA	62434	NA2	4.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	5.5
2022	11	61906	Rye Development	IPP	Emsworth L&D Hydroelectric Project	PA	62433	NA2	6.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	8.5
2022	11	61906	Rye Development	IPP	Enid Lake Hydroelectric Project	MS	62432	NA2	1.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.5
2022	11	61906	Rye Development	IPP	Grays Landing L&D Hydroelectric Project	PA	62388	NA2	4.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	6.0
2022	11	61906	Rye Development	IPP	Grenada Lake Hydroelectric Project	MS	62430	NA2	4.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	5.0
2022	11	61906	Rye Development	IPP	KY No. 11 L&D Hydroelectric Project	KY	62390	NA2	0.3	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	0.5
2022	11	61906	Rye Development	IPP	KY No. 11 L&D Hydroelectric Project	KY	62390	NA3	0.3	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	0.5
2022	11	61906	Rye Development	IPP	KY No. 11 L&D Hydroelectric Project	KY	62390	NA4	0.3	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	0.5
2022	11	61906	Rye Development	IPP	KY No. 11 L&D Hydroelectric Project	KY	62390	NA5	0.3	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	0.5
2022	11	61906	Rye Development	IPP	Lowell L&D Hydroelectric Project	OH	62429	NA2	2.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.5
2022	11	61906	Rye Development	IPP	Malta L&D Hydroelectric Project	OH	62428	NA1	1.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.0
2022	11	61906	Rye Development	IPP	Malta L&D Hydroelectric Project	OH	62428	NA2	1.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.0
2022	11	61906	Rye Development	IPP	Maxwell L&D Hydroelectric Project	PA	62385	NA2	4.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	6.0
2022	11	61906	Rye Development	IPP	Monongahela L&D4 Hydroelectric Project	PA	62404	NA2	4.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	6.0
2022	11	61906	Rye Development	IPP	Montgomery L&D Hydroelectric Project	PA	62400	NA2	5.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	9.5
2022	11	61906	Rye Development	IPP	Montgomery L&D Hydroelectric Project	PA	62400	NA3	5.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	9.5
2022	11	61906	Rye Development	IPP	Montgomery L&D Hydroelectric Project	PA	62400	NA4	5.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	9.5
2022	11	61906	Rye Development	IPP	Morgantown L&D Hydroelectric Project	WV	62387	NA2	1.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.5
2022	11	61906	Rye Development	IPP	Opekiska L&D Hydroelectric Project	WV	62386	NA2	2.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	3.0
2022	11	61906	Rye Development	IPP	Overton Hydroelectric Project	LA	62391	NA2	5.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	8.1
2022	11	61906	Rye Development	IPP	Overton Hydroelectric Project	LA	62391	NA3	5.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	8.1
2022	11	61906	Rye Development	IPP	Overton Hydroelectric Project	LA	62391	NA4	5.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	8.1
2022	11	61906	Rye Development	IPP	Overton Hydroelectric Project	LA	62391	NA5	5.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	8.1
2022	11	61906	Rye Development	IPP	Overton Hydroelectric Project	LA	62391	NA6	5.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	8.1
2022	11	61906	Rye Development	IPP	Philo L&D Hydroelectric Project	OH	62427	NA2	1.2	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	1.5
2022	11	61906	Rye Development	IPP	Point Marion L&D Hydroelectric Project	PA	62384	NA2	1.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.5
2022	11	61906	Rye Development	IPP	Rokeby L&D Hydroelectric Project	OH	62426	NA2	1.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.0
2022	11	61906	Rye Development	IPP	Sardis Lake Hydroelectric Project	MS	62425	NA2	5.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	7.5
2022	12	61768	Arrow Canyon Solar LLC	IPP	Arrow Canyon Solar Hybrid	NV	62248	1	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2022	12	61768	Arrow Canyon Solar LLC	IPP	Arrow Canyon Solar Hybrid	NV	62248	2	75.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	75.0
2022	12	15399	Avangrid Renewables LLC	IPP	Midland Wind	IL	63003	1	115.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	115.0
2022	12	61386	C4GT, LLC	IPP	C4GT	VA	61760	C4GT	1,060.0	Natural Gas Fired Combined Cycle	NG	CC	(T) Regulatory approvals received. Not under construction	1,060.0
2022	12	61230	CD Arevon USA, Inc.	IPP	Aiya Solar Project	NV	59869	GEN01	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2022	12	59432	Clear Creek Power	IPP	Highland Park Project	CO	59659	HPWT	181.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	181.0
2022	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
2022	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
2022	12	62760	EDPR CA Solar Park VI LLC	IPP	EDPR CA Solar Park VI LLC (CA) Hybrid	CA	62892	SONR2	40.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	40.0
2022	12	62760	EDPR CA Solar Park VI LLC	IPP	EDPR CA Solar Park VI LLC (CA) Hybrid	CA	62892	SONRI	200.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	201.0
2022	12	59380	Enel Green Power NA, Inc.	IPP	Cascade Energy Storage, LLC	CA	61801	10002	25.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	25.0
2022	12	59380	Enel Green Power NA, Inc.	IPP	Sierra Energy Storage, LLC	CA	61803	10003	10.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	10.0
2022	12	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
2022	12	56615	First Solar Project Development	IPP	Willow Spring Solar 3, LLC	CA	60325	GEN01	75.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	75.0
2022	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
2022	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
2022	12	58880	Gallegos Wind Farm LLC	IPP	Gallegos Wind Farm, Phase 1	NM	59047	GEN 1	180.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	180.0
2022	12	62008	Hale Kuawehi Solar LLC	IPP	Hale Kuawehi Solar Hybrid	HI	62529	HKBA	30.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	30.0

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	62008	Hale Kuawehi Solar LLC	IPP	Hale Kuawehi Solar Hybrid	HI	62529	HKSOL	30.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	30.0
2022	12	61638	Harrison Power LLC	IPP	Cadiz Power Plant	OH	62153	GEN 1	550.0	Natural Gas Fired Combined Cycle	NG	CS	(P) Planned for installation, but regulatory approvals not initiated	660.0
2022	12	61638	Harrison Power LLC	IPP	Cadiz Power Plant	OH	62153	GEN 2	550.0	Natural Gas Fired Combined Cycle	NG	CS	(P) Planned for installation, but regulatory approvals not initiated	660.0
2022	12	49893	Invenergy Services LLC	IPP	Samson Solar Energy	TX	63211	GEN1	250.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	250.0
2022	12	49893	Invenergy Services LLC	IPP	Tip Top Solar Energy Center LLC	NM	63028	GEN1	220.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	220.0
2022	12	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG1	3.4	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	3.4
2022	12	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG2	3.4	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	3.4
2022	12	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG3	3.4	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	3.4
2022	12	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG4	3.4	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	3.4
2022	12	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG5	3.4	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	3.4
2022	12	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG6	3.4	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	3.4
2022	12	61596	Lincoln Land Energy Center LLC	IPP	Lincoln Land Energy Center	IL	62022	GEN1	520.0	Natural Gas Fired Combined Cycle	NG	CS	(P) Planned for installation, but regulatory approvals not initiated	638.4
2022	12	61596	Lincoln Land Energy Center LLC	IPP	Lincoln Land Energy Center	IL	62022	GEN2	520.0	Natural Gas Fired Combined Cycle	NG	CS	(P) Planned for installation, but regulatory approvals not initiated	638.4
2022	12	62663	Lock 13 Hydro Partners	IPP	Evelyn Hydroelectric Project	KY	62748	1	0.6	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.6
2022	12	62663	Lock 13 Hydro Partners	IPP	Evelyn Hydroelectric Project	KY	62748	2	0.6	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.6
2022	12	62663	Lock 13 Hydro Partners	IPP	Evelyn Hydroelectric Project	KY	62748	3	0.6	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.6
2022	12	62663	Lock 13 Hydro Partners	IPP	Evelyn Hydroelectric Project	KY	62748	4	0.6	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.6
2022	12	62663	Lock 13 Hydro Partners	IPP	Evelyn Hydroelectric Project	KY	62748	5	0.6	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	0.6
2022	12	61422	Mason Dixon Solar Center, LLC	IPP	Mason Dixon Solar Center	MD	61797	PV	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2022	12	63238	OE_ALC	IPP	AL Solar C LLC	AL	63513	OEALC	80.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	80.0
2022	12	62036	Paeahu Solar LLC	IPP	Paeahu Solar Hybrid	HI	62534	PHBA	15.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	15.0
2022	12	62036	Paeahu Solar LLC	IPP	Paeahu Solar Hybrid	HI	62534	PHSOL	15.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	15.0
2022	12	58842	Power Company of Wyoming LLC	IPP	Chokecherry and Sierra Madre Wind	WY	58987	I-A	500.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	500.0
2022	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
2022	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
2022	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
2022	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
2022	12	56215	RWE Renewables Americas LLC	IPP	Pinckard Solar	AL	62787	PCKND	79.7	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	85.1
2022	12	21554	Seminole Electric Cooperative Inc	Electric Utility	Seminole (FL)	FL	136	CT1	349.8	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	384.2
2022	12	21554	Seminole Electric Cooperative Inc	Electric Utility	Seminole (FL)	FL	136	CT2	349.8	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	384.2
2022	12	21554	Seminole Electric Cooperative Inc	Electric Utility	Seminole (FL)	FL	136	ST	396.6	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	414.8
2022	12	59056	Tri Global Energy, LLC	IPP	Easter	TX	59971	ESTR1	300.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	300.0
2023	1	18454	Tampa Electric Co	Electric Utility	Big Bend	FL	645	BBST1	335.0	Natural Gas Steam Turbine	NG	ST	(P) Planned for installation, but regulatory approvals not initiated	445.5
2023	2	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
2023	2	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
2023	3	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
2023	3	56615	First Solar Project Development	IPP	Desert Quartzite	CA	59871	GEN01	480.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	480.0
2023	4	17568	Cooperative Energy	Electric Utility	R D Morrow	MS	6061	MOR1	514.0	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending. Not under construction	550.0
2023	5	62733	Cranberry Point Energy Storage LLC	IPP	Cranberry Point Energy Storage	MA	62844	NA	150.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	150.0
2023	5	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	6	227.8	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	227.8
2023	5	12199	Montana-Dakota Utilities Co	Electric Utility	R M Heskett	ND	2790	4	88.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	88.0
2023	5	189	PowerSouth Energy Cooperative	Electric Utility	Charles R Lowman	AL	56	LEC1	385.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	454.5
2023	5	189	PowerSouth Energy Cooperative	Electric Utility	Charles R Lowman	AL	56	LEC2	245.0	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	272.2
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	7	60798	69SV 8me LLC	IPP	Eland Solar & Storage Center, Phase 2 Hybrid	CA	61169	61169	150.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	150.0
2023	7	60798	69SV 8me LLC	IPP	Eland Solar & Storage Center, Phase 2 Hybrid	CA	61169	69SV8	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2023	7	60835	NTE Carolinas II, LLC	IPP	Reidsville Energy Center	NC	61240	REC	259.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	310.2
2023	7	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
2023	9	62910	300MS 8me LLC	IPP	Southern Bighorn Solar Hybrid	NV	63113	BESS	135.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	135.0
2023	9	62910	300MS 8me LLC	IPP	Southern Bighorn Solar Hybrid	NV	63113	SBS	300.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	300.0
2023	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
2023	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
2023	10	61914	Juwi Inc	IPP	Spanish Peaks Solar	CO	62379	47301	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2023	10	62895	Vineyard Wind LLC	IPP	Vineyard Wind 1	MA	63093	VW01	800.0	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	800.0
2023	11	63117	Gemini Solar	IPP	Gemini Solar	NV	63352	ARBE1	690.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	690.0
2023	11	63117	Gemini Solar	IPP	Gemini Solar	NV	63352	ARPV1	280.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	380.0
2023	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
2023	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
2023	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
2023	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
2023	12	63217	Obsidian Solar Center LLC	IPP	Obsidian Solar Center	OR	63488	OBSLR	400.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	400.0
2023	12	58842	Power Company of Wyoming LLC	IPP	Chokecherry and Sierra Madre Wind	WY	58987	I-B	500.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	500.0
2023	12	62023	Skeleton Creek Energy Center	IPP	Skeleton Creek Energy Center Hybrid	OK	62494	SCBAT	200.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	200.0
2023	12	62023	Skeleton Creek Energy Center	IPP	Skeleton Creek Energy Center Hybrid	OK	62494	SCSOL	250.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	250.0
2024	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
2024	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
2024	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
2024	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
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	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
2024	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
2024	12	56814	Black Creek Renewable Energy LLC	IPP	Sampson County Disposal	NC	57492	GEN7	1.6	Landfill Gas	LFG	IC	(T) Regulatory approvals received. Not under construction	1.6
2024	12	56814	Black Creek Renewable Energy LLC	IPP	Sampson County Disposal	NC	57492	GEN8	1.6	Landfill Gas	LFG	IC	(T) Regulatory approvals received. Not under construction	1.6
2024	12	58842	Power Company of Wyoming LLC	IPP	Chokecherry and Sierra Madre Wind	WY	58987	I-C	500.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	500.0
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	1	63342	New Jersey Transit Corporation (NJ Transit)	Commercial	NJ TRANSITGRID	NJ	63631	CTG-1	20.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	22.5
2025	1	63342	New Jersey Transit Corporation (NJ Transit)	Commercial	NJ TRANSITGRID	NJ	63631	CTG-2	20.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	22.5
2025	1	63342	New Jersey Transit Corporation (NJ Transit)	Commercial	NJ TRANSITGRID	NJ	63631	CTG-3	20.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	22.5
2025	1	63342	New Jersey Transit Corporation (NJ Transit)	Commercial	NJ TRANSITGRID	NJ	63631	CTG-4	20.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	22.5

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)
2025	1	63342	New Jersey Transit Corporation (NJ Transit)	Commercial	NJ TRANSITGRID	NJ	63631	CTG-5	20.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	22.5
2025	1	63342	New Jersey Transit Corporation (NJ Transit)	Commercial	NJ TRANSITGRID	NJ	63631	PV1	0.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	0.5
2025	1	63342	New Jersey Transit Corporation (NJ Transit)	Commercial	NJ TRANSITGRID	NJ	63631	STG-1	14.4	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	15.0
2025	1	63342	New Jersey Transit Corporation (NJ Transit)	Commercial	NJ TRANSITGRID	NJ	63631	STOR1	8.1	Flywheels	MWH	FW	(L) Regulatory approvals pending. Not under construction	8.1
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
2025	7	11208	Los Angeles Department of Water & Power	Electric Utility	Intermountain Power Project	UT	6481	3	420.0	Natural Gas Fired Combined Cycle	NG	CS	(P) Planned for installation, but regulatory approvals not initiated	420.0
2025	7	11208	Los Angeles Department of Water & Power	Electric Utility	Intermountain Power Project	UT	6481	4	420.0	Natural Gas Fired Combined Cycle	NG	CS	(P) Planned for installation, but regulatory approvals not initiated	420.0
2025	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
2025	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
2025	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
2025	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
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	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
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
2020	3	4161	Constellation Power Source Gen	IPP	Notch Cliff	MD	1555	GT5	14.6	Natural Gas Fired Combustion Turbine	NG	GT
2020	3	4161	Constellation Power Source Gen	IPP	Notch Cliff	MD	1555	GT6	15.6	Natural Gas Fired Combustion Turbine	NG	GT
2020	3	4161	Constellation Power Source Gen	IPP	Notch Cliff	MD	1555	GT7	14.5	Natural Gas Fired Combustion Turbine	NG	GT
2020	3	4161	Constellation Power Source Gen	IPP	Notch Cliff	MD	1555	GT8	16.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	3	5860	Empire District Electric Co	Electric Utility	Asbury	MO	2076	1	198.0	Conventional Steam Coal	SUB	ST
2020	3	56046	High Plains Wind Power LLC	IPP	High Plains	TX	56834	1	10.0	Onshore Wind Turbine	WND	WT
2020	3	16668	Sabine Cogen LP	Electric CHP	Sabine Cogen	TX	55104	CTG1	33.1	Natural Gas Fired Combined Cycle	NG	CT
2020	3	16668	Sabine Cogen LP	Electric CHP	Sabine Cogen	TX	55104	CTG2	33.6	Natural Gas Fired Combined Cycle	NG	CT
2020	3	16668	Sabine Cogen LP	Electric CHP	Sabine Cogen	TX	55104	STG	20.0	Natural Gas Fired Combined Cycle	NG	CA
2020	3	22129	Somerset Operating Co LLC	IPP	Somerset Operating Co LLC	NY	6082	1	684.4	Conventional Steam Coal	BIT	ST
2020	3	2770	Terra-Gen Operating Co-Wind	IPP	Windland	CA	50386	WING	15.3	Onshore Wind Turbine	WND	WT
2020	4	57175	BC Landfill Energy LLC	IPP	BC Landfill Energy LLC	NJ	57847	UNIT1	1.4	Landfill Gas	LFG	IC
2020	4	57175	BC Landfill Energy LLC	IPP	BC Landfill Energy LLC	NJ	57847	UNIT2	1.4	Landfill Gas	LFG	IC
2020	4	57175	BC Landfill Energy LLC	IPP	BC Landfill Energy LLC	NJ	57847	UNIT3	1.4	Landfill Gas	LFG	IC
2020	4	57175	BC Landfill Energy LLC	IPP	BC Landfill Energy LLC	NJ	57847	UNIT4	1.4	Landfill Gas	LFG	IC
2020	4	57175	BC Landfill Energy LLC	IPP	BC Landfill Energy LLC	NJ	57847	UNIT5	1.4	Landfill Gas	LFG	IC
2020	4	1752	Biola University	Commercial	Biola University Hybrid	CA	54296	EG1	0.6	Natural Gas Internal Combustion Engine	NG	IC
2020	4	1752	Biola University	Commercial	Biola University Hybrid	CA	54296	EG2	0.6	Natural Gas Internal Combustion Engine	NG	IC
2020	4	11713	City of Marshall - (MI)	Electric Utility	Marshall (MI)	MI	1844	IC2	0.9	Natural Gas Internal Combustion Engine	NG	IC
2020	4	11713	City of Marshall - (MI)	Electric Utility	Marshall (MI)	MI	1844	IC4	0.7	Petroleum Liquids	DFO	IC
2020	4	59878	Clean Fuel Partners Dane	Electric CHP	Clean Fuel Dane Community Digester	WI	59559	GEN#1	1.0	Other Waste Biomass	OBG	IC
2020	4	59878	Clean Fuel Partners Dane	Electric CHP	Clean Fuel Dane Community Digester	WI	59559	GEN#2	1.0	Other Waste Biomass	OBG	IC
2020	4	6027	Entergy Nuclear Indian Point 2	IPP	Indian Point 2	NY	2497	2	1,016.1	Nuclear	NUC	ST
2020	4	7049	General Electric Aircraft Engines	Industrial	General Electric Aircraft Engines	MA	10029	GEN5	8.5	Natural Gas Steam Turbine	NG	ST
2020	4	7049	General Electric Aircraft Engines	Industrial	General Electric Aircraft Engines	MA	10029	GEN6	8.5	Natural Gas Steam Turbine	NG	ST
2020	4	7049	General Electric Aircraft Engines	Industrial	General Electric Aircraft Engines	MA	10029	GEN7	6.8	Natural Gas Steam Turbine	NG	ST
2020	4	17897	St Mary's Hospital	Commercial	Saint Marys Hospital Power Plant	MN	54262	6	2.7	Natural Gas Internal Combustion Engine	NG	IC
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	15174	Freeport McMoRan Oil & Gas	Industrial	Gaviota Oil Plant	CA	50623	GENA	3.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	5	15174	Freeport McMoRan Oil & Gas	Industrial	Gaviota Oil Plant	CA	50623	GENB	3.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	5	15174	Freeport McMoRan Oil & Gas	Industrial	Gaviota Oil Plant	CA	50623	GENC	3.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	5	15174	Freeport McMoRan Oil & Gas	Industrial	Gaviota Oil Plant	CA	50623	GEND	3.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	5	17698	Southwestern Electric Power Co	Electric Utility	Knox Lee	TX	3476	2	31.0	Natural Gas Steam Turbine	NG	ST
2020	5	17698	Southwestern Electric Power Co	Electric Utility	Knox Lee	TX	3476	3	25.0	Natural Gas Steam Turbine	NG	ST
2020	5	17698	Southwestern Electric Power Co	Electric Utility	Lieberman	LA	1417	2	26.0	Natural Gas Steam Turbine	NG	ST
2020	5	17698	Southwestern Electric Power Co	Electric Utility	Lone Star	TX	3477	1	50.0	Natural Gas Steam Turbine	NG	ST
2020	6	58620	AEP Generation Resources Inc	IPP	Conesville	OH	2840	4	780.0	Conventional Steam Coal	BIT	ST
2020	6	61351	APTIM Environmental & Infrastructure	IPP	Keystone Recovery	PA	54934	NO 1	0.7	Landfill Gas	LFG	IC
2020	6	61351	APTIM Environmental & Infrastructure	IPP	Keystone Recovery	PA	54934	NO 2	0.7	Landfill Gas	LFG	IC
2020	6	61351	APTIM Environmental & Infrastructure	IPP	Keystone Recovery	PA	54934	NO 3	0.7	Landfill Gas	LFG	IC
2020	6	61351	APTIM Environmental & Infrastructure	IPP	Keystone Recovery	PA	54934	NO 4	0.7	Landfill Gas	LFG	IC
2020	6	61351	APTIM Environmental & Infrastructure	IPP	Keystone Recovery	PA	54934	NO 5	0.7	Landfill Gas	LFG	IC
2020	6	61351	APTIM Environmental & Infrastructure	IPP	Keystone Recovery	PA	54934	NO 6	0.7	Landfill Gas	LFG	IC
2020	6	61351	APTIM Environmental & Infrastructure	IPP	Keystone Recovery	PA	54934	NO 7	0.7	Landfill Gas	LFG	IC
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	7483	City of Grand Haven - (MI)	Electric Utility	J B Sims	MI	1825	3	69.1	Conventional Steam Coal	BIT	ST
2020	6	14268	City of Owensboro - (KY)	Electric Utility	Elmer Smith	KY	1374	1	137.0	Conventional Steam Coal	BIT	ST
2020	6	14268	City of Owensboro - (KY)	Electric Utility	Elmer Smith	KY	1374	2	262.8	Conventional Steam Coal	BIT	ST
2020	6	4161	Constellation Power Source Gen	IPP	Notch Cliff	MD	1555	GT1	14.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	6	4161	Constellation Power Source Gen	IPP	Notch Cliff	MD	1555	GT2	14.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	6	4161	Constellation Power Source Gen	IPP	Notch Cliff	MD	1555	GT3	14.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	6	4161	Constellation Power Source Gen	IPP	Notch Cliff	MD	1555	GT4	14.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	6	4161	Constellation Power Source Gen	IPP	Westport	MD	1560	GT5	115.8	Natural Gas Fired Combustion Turbine	NG	GT
2020	6	6035	Exelon Power	IPP	Fairless Hills	PA	7701	A	30.0	Landfill Gas	LFG	ST
2020	6	6035	Exelon Power	IPP	Fairless Hills	PA	7701	B	30.0	Landfill Gas	LFG	ST
2020	6	6035	Exelon Power	IPP	Pennsbury	PA	7690	1	2.0	Landfill Gas	LFG	GT
2020	6	6035	Exelon Power	IPP	Pennsbury	PA	7690	2	2.0	Landfill Gas	LFG	GT
2020	6	60422	H.A. Wagner LLC	IPP	Herbert A Wagner	MD	1554	2	118.0	Conventional Steam Coal	RC	ST
2020	6	58341	McKinley Paper Co. - Washington Mill	Industrial	McKinley Paper Co. - Washington Mill	WA	58352	G-11	20.0	Wood/Wood Waste Biomass	WDS	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	6	16657	San Jose/Santa Clara Water P C	Commercial	SJ/SC WPCP	CA	56080	EG2	2.8	Natural Gas Internal Combustion Engine	NG	IC
2020	7	13756	Northern Indiana Pub Serv Co	Electric Utility	Bailly	IN	995	10	31.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	7	16657	San Jose/Santa Clara Water P C	Commercial	SJ/SC WPCP	CA	56080	EG1	2.8	Natural Gas Internal Combustion Engine	NG	IC
2020	7	16657	San Jose/Santa Clara Water P C	Commercial	SJ/SC WPCP	CA	56080	EG3	2.8	Natural Gas Internal Combustion Engine	NG	IC
2020	7	20737	Willmar Municipal Utilities	Electric Utility	Willmar	MN	2022	3	16.8	Natural Gas Steam Turbine	NG	ST
2020	7	20737	Willmar Municipal Utilities	Electric Utility	Willmar	MN	2022	ST2	6.5	Natural Gas Steam Turbine	NG	ST
2020	8	14328	Pacific Gas & Electric Co.	Electric Utility	Cow Creek	CA	229	1	0.9	Conventional Hydroelectric	WAT	HY
2020	8	14328	Pacific Gas & Electric Co.	Electric Utility	Cow Creek	CA	229	2	0.9	Conventional Hydroelectric	WAT	HY
2020	9	6455	Duke Energy Florida, LLC	Electric Utility	Avon Park	FL	624	P1	24.0	Natural Gas Fired Combustion Turbine	NG	GT
2020	9	6455	Duke Energy Florida, LLC	Electric Utility	Avon Park	FL	624	P2	24.0	Petroleum Liquids	DFO	GT
2020	9	9379	Inter-Power/AhlCon Partners, L.P.	IPP	Colver Power Project	PA	10143	COLV	110.0	Conventional Steam Coal	WC	ST
2020	9	15474	Public Service Co of Oklahoma	Electric Utility	Oklaunion	TX	127	1	650.0	Conventional Steam Coal	SUB	ST
2020	10	14173	Oroville Cogeneration LP	Industrial	Oroville Cogeneration LP	CA	54477	GEN1	1.1	Natural Gas Internal Combustion Engine	NG	IC
2020	10	14173	Oroville Cogeneration LP	Industrial	Oroville Cogeneration LP	CA	54477	GEN2	1.1	Natural Gas Internal Combustion Engine	NG	IC
2020	10	14173	Oroville Cogeneration LP	Industrial	Oroville Cogeneration LP	CA	54477	GEN3	1.1	Natural Gas Internal Combustion Engine	NG	IC
2020	10	14173	Oroville Cogeneration LP	Industrial	Oroville Cogeneration LP	CA	54477	GEN4	1.1	Natural Gas Internal Combustion Engine	NG	IC
2020	10	14173	Oroville Cogeneration LP	Industrial	Oroville Cogeneration LP	CA	54477	GEN5	1.1	Natural Gas Internal Combustion Engine	NG	IC
2020	10	14173	Oroville Cogeneration LP	Industrial	Oroville Cogeneration LP	CA	54477	GEN6	1.1	Natural Gas Internal Combustion Engine	NG	IC
2020	10	14173	Oroville Cogeneration LP	Industrial	Oroville Cogeneration LP	CA	54477	GEN7	1.1	Natural Gas Internal Combustion Engine	NG	IC
2020	10	189	PowerSouth Energy Cooperative	Electric Utility	Charles R Lowman	AL	56	1	78.0	Conventional Steam Coal	BIT	ST
2020	10	189	PowerSouth Energy Cooperative	Electric Utility	Charles R Lowman	AL	56	2	238.0	Conventional Steam Coal	BIT	ST
2020	10	189	PowerSouth Energy Cooperative	Electric Utility	Charles R Lowman	AL	56	3	238.0	Conventional Steam Coal	BIT	ST
2020	11	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	11	20712	Snowbird Corporation	Commercial	Snowbird Power Plant	UT	10215	1367	0.6	Natural Gas Internal Combustion Engine	NG	IC
2020	11	20712	Snowbird Corporation	Commercial	Snowbird Power Plant	UT	10215	1391	0.6	Natural Gas Internal Combustion Engine	NG	IC
2020	11	20712	Snowbird Corporation	Commercial	Snowbird Power Plant	UT	10215	1392	0.6	Natural Gas Internal Combustion Engine	NG	IC
2020	11	60538	Vitro Architectural Glass	Industrial	Works 4	TX	54364	L2G	2.0	Petroleum Liquids	DFO	IC
2020	12	803	Arizona Public Service Co	Electric Utility	Cholla	AZ	113	4	380.0	Conventional Steam Coal	SUB	ST
2020	12	17833	City Utilities of Springfield - (MO)	Electric Utility	James River Power Station	MO	2161	4	56.0	Natural Gas Steam Turbine	NG	ST
2020	12	17833	City Utilities of Springfield - (MO)	Electric Utility	James River Power Station	MO	2161	5	97.0	Natural Gas Steam Turbine	NG	ST
2020	12	6452	Florida Power & Light Co	Electric Utility	Indiantown Cogeneration LP	FL	50976	GEN1	330.0	Conventional Steam Coal	BIT	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	12119	McGrath Light & Power Co	Electric Utility	McGrath	AK	6555	6	0.6	Petroleum Liquids	DFO	IC
2020	12	12119	McGrath Light & Power Co	Electric Utility	McGrath	AK	6555	7	0.6	Petroleum Liquids	DFO	IC
2020	12	55269	NextEra Energy Duane Arnold LLC	IPP	Duane Arnold Energy Center	IA	1060	1	601.4	Nuclear	NUC	ST
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	30151	Tri-State G & T Assn, Inc	Electric Utility	Escalante	NM	87	1	253.0	Conventional Steam Coal	SUB	ST
2020	12	20856	Wisconsin Power & Light Co	Electric Utility	Rock River	WI	4057	3	21.5	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	45.1	Natural Gas Fired Combustion Turbine	NG	GT
2020	12	20856	Wisconsin Power & Light Co	Electric Utility	Rock River	WI	4057	6	33.7	Natural Gas Fired Combustion Turbine	NG	GT
2020	12	20856	Wisconsin Power & Light Co	Electric Utility	Sheepskin	WI	4059	1	27.2	Natural Gas Fired Combustion Turbine	NG	GT
2021	1	3258	Central Iowa Power Cooperative	Electric Utility	Summit Lake	IA	1206	1	6.5	Natural Gas Fired Combined Cycle	NG	CA
2021	1	3258	Central Iowa Power Cooperative	Electric Utility	Summit Lake	IA	1206	2	6.5	Natural Gas Fired Combined Cycle	NG	CA
2021	1	3258	Central Iowa Power Cooperative	Electric Utility	Summit Lake	IA	1206	3	7.0	Natural Gas Fired Combined Cycle	NG	CA
2021	1	15908	GenOn California South, LP	IPP	Ellwood	CA	8076	01	54.0	Natural Gas Fired Combustion Turbine	NG	GT
2021	1	15908	GenOn California South, LP	IPP	Ormond Beach	CA	350	1	741.0	Natural Gas Steam Turbine	NG	ST
2021	1	15908	GenOn California South, LP	IPP	Ormond Beach	CA	350	2	750.0	Natural Gas Steam Turbine	NG	ST
2021	1	14328	Pacific Gas & Electric Co.	Electric Utility	Kilarc	CA	253	1	1.6	Conventional Hydroelectric	WAT	HY
2021	1	15248	Portland General Electric Co	Electric Utility	Boardman	OR	6106	1	585.0	Conventional Steam Coal	SUB	ST
2021	1	61854	Veolia Energy Operating Service	Electric CHP	Spruance Operating Services LLC	VA	54081	GEN1	52.5	Conventional Steam Coal	BIT	ST
2021	1	61854	Veolia Energy Operating Service	Electric CHP	Spruance Operating Services LLC	VA	54081	GEN2	52.5	Conventional Steam Coal	BIT	ST
2021	2	12119	McGrath Light & Power Co	Electric Utility	McGrath	AK	6555	3A	0.5	Petroleum Liquids	DFO	IC
2021	2	12119	McGrath Light & Power Co	Electric Utility	McGrath	AK	6555	4A	0.5	Petroleum Liquids	DFO	IC
2021	3	12199	Montana-Dakota Utilities Co	Electric Utility	Lewis & Clark	MT	6089	1	53.1	Conventional Steam Coal	LIG	ST
2021	3	60538	Vitro Architectural Glass	Industrial	Works 4	TX	54364	L1G	2.0	Petroleum Liquids	DFO	IC
2021	4	6028	Entergy Nuclear Indian Point 3	IPP	Indian Point 3	NY	8907	3	1,037.9	Nuclear	NUC	ST
2021	5	58435	Collinwood BioEnergy	Industrial	Collinwood BioEnergy Facility	OH	58439	CBE01	1.0	Other Waste Biomass	OBG	IC
2021	5	9273	Indianapolis Power & Light Co	Electric Utility	AES Petersburg	IN	994	ST1	222.5	Conventional Steam Coal	BIT	ST

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2021	5	9210	International Paper Co-Riegelwood	Industrial	International Paper Riegelwood Mill	NC	54656	NO 1	7.8	Wood/Wood Waste Biomass	BLQ	ST
2021	5	9210	International Paper Co-Riegelwood	Industrial	International Paper Riegelwood Mill	NC	54656	NO3	44.5	Wood/Wood Waste Biomass	BLQ	ST
2021	5	54899	NAES Corporation - (DE)	IPP	McKee Run	DE	599	3	103.1	Natural Gas Steam Turbine	NG	ST
2021	5	19876	Virginia Electric & Power Co	Electric Utility	Possum Point	VA	3804	5	786.0	Petroleum Liquids	RFO	ST
2021	6	6526	FirstEnergy Generation Corp	IPP	FirstEnergy Eastlake	OH	2837	6	24.0	Petroleum Liquids	DFO	GT
2021	6	6526	FirstEnergy Generation Corp	IPP	FirstEnergy W H Sammis	OH	2866	A1	3.0	Petroleum Liquids	DFO	IC
2021	6	6526	FirstEnergy Generation Corp	IPP	FirstEnergy W H Sammis	OH	2866	B1	3.0	Petroleum Liquids	DFO	IC
2021	6	6526	FirstEnergy Generation Corp	IPP	FirstEnergy W H Sammis	OH	2866	B2	3.0	Petroleum Liquids	DFO	IC
2021	6	6526	FirstEnergy Generation Corp	IPP	FirstEnergy W H Sammis	OH	2866	B3	2.0	Petroleum Liquids	DFO	IC
2021	6	6526	FirstEnergy Generation Corp	IPP	FirstEnergy W H Sammis	OH	2866	B4	2.0	Petroleum Liquids	DFO	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	6	14232	Otter Tail Power Co	Electric Utility	Hoot Lake	MN	1943	D1	0.2	Petroleum Liquids	DFO	IC
2021	6	14232	Otter Tail Power Co	Electric Utility	Hoot Lake	MN	1943	D2	0.1	Petroleum Liquids	DFO	IC
2021	6	15452	PSEG Power Connecticut LLC	IPP	Bridgeport Station	CT	568	3	383.4	Conventional Steam Coal	SUB	ST
2021	7	18301	City of Sumner - (IA)	Electric Utility	Sumner	IA	1191	1	2.6	Petroleum Liquids	DFO	IC
2021	7	18301	City of Sumner - (IA)	Electric Utility	Sumner	IA	1191	2	1.1	Petroleum Liquids	DFO	IC
2021	7	18301	City of Sumner - (IA)	Electric Utility	Sumner	IA	1191	6	1.8	Petroleum Liquids	DFO	IC
2021	8	7080	Aclara Meters LLC	Industrial	General Electric Great Falls Upper Hydro	NH	10059	1575	1.6	Conventional Hydroelectric	WAT	HY
2021	8	7080	Aclara Meters LLC	Industrial	General Electric Great Falls Upper Hydro	NH	10059	500	0.5	Conventional Hydroelectric	WAT	HY
2021	9	17166	Sierra Pacific Power Co	Electric Utility	Fort Churchill	NV	2330	2	113.0	Natural Gas Steam Turbine	NG	ST
2021	11	18454	Tampa Electric Co	Electric Utility	Big Bend	FL	645	ST2	385.0	Conventional Steam Coal	BIT	ST
2021	12	4716	Dairyland Power Coop	Electric Utility	Genoa	WI	4143	ST3	307.5	Conventional Steam Coal	SUB	ST
2021	12	11479	Madison Gas & Electric Co	Electric Utility	Fitchburg	WI	3991	1	16.6	Natural Gas Fired Combustion Turbine	NG	GT
2021	12	11479	Madison Gas & Electric Co	Electric Utility	Fitchburg	WI	3991	2	15.8	Natural Gas Fired Combustion Turbine	NG	GT
2021	12	11479	Madison Gas & Electric Co	Electric Utility	Nine Springs	WI	9674	GT1	12.5	Natural Gas Fired Combustion Turbine	NG	GT
2021	12	11479	Madison Gas & Electric Co	Electric Utility	Sycamore (WI)	WI	3993	1	11.4	Natural Gas Fired Combustion Turbine	NG	GT
2021	12	11479	Madison Gas & Electric Co	Electric Utility	Sycamore (WI)	WI	3993	2	16.9	Natural Gas Fired Combustion Turbine	NG	GT
2021	12	60558	Rock County Energy Center, LLC	IPP	Minwind 3-9	MN	56123	1	11.6	Onshore Wind Turbine	WND	WT
2022	1	59409	Eco Services Corp.	Industrial	Houston Plant	TX	52065	GEN2	1.5	All Other	WH	ST
2022	3	12199	Montana-Dakota Utilities Co	Electric Utility	R M Heskett	ND	2790	1	29.5	Conventional Steam Coal	LIG	ST
2022	3	12199	Montana-Dakota Utilities Co	Electric Utility	R M Heskett	ND	2790	2	74.8	Conventional Steam Coal	LIG	ST
2022	4	6452	Florida Power & Light Co	Electric Utility	Manatee	FL	6042	1	809.0	Petroleum Liquids	RFO	ST
2022	4	6452	Florida Power & Light Co	Electric Utility	Manatee	FL	6042	2	809.0	Petroleum Liquids	RFO	ST
2022	5	5109	DTE Electric Company	Electric Utility	River Rouge	MI	1740	3	272.0	Conventional Steam Coal	SUB	ST
2022	5	5109	DTE Electric Company	Electric Utility	St Clair	MI	1743	2	154.0	Conventional Steam Coal	RC	ST
2022	5	5109	DTE Electric Company	Electric Utility	St Clair	MI	1743	3	160.0	Conventional Steam Coal	RC	ST
2022	5	5109	DTE Electric Company	Electric Utility	St Clair	MI	1743	6	311.0	Conventional Steam Coal	RC	ST
2022	5	5109	DTE Electric Company	Electric Utility	St Clair	MI	1743	7	440.0	Conventional Steam Coal	RC	ST
2022	5	5109	DTE Electric Company	Electric Utility	Trenton Channel	MI	1745	9	495.0	Conventional Steam Coal	SUB	ST
2022	5	61013	Northern Westchester Hospital	Commercial	Northern Westchester Hospital	NY	61378	4	0.8	Petroleum Liquids	DFO	IC
2022	5	61013	Northern Westchester Hospital	Commercial	Northern Westchester Hospital	NY	61378	5	0.8	Petroleum Liquids	DFO	IC
2022	6	11241	Entergy Louisiana LLC	Electric Utility	Sterlington	LA	1404	7A	47.0	Natural Gas Fired Combined Cycle	NG	CT
2022	6	56192	Entergy Nuclear Palisades LLC	IPP	Palisades	MI	1715	1	771.6	Nuclear	NUC	ST
2022	6	55937	Entergy Texas Inc.	Electric Utility	Sabine	TX	3459	1	212.0	Natural Gas Steam Turbine	NG	ST
2022	6	14584	Pawtucket Power Associates LP	IPP	Pawtucket Power Associates	RI	54056	GEN1	33.0	Natural Gas Fired Combined Cycle	NG	CT
2022	6	15473	Public Service Co of NM	Electric Utility	San Juan	NM	2451	1	340.0	Conventional Steam Coal	RC	ST
2022	6	15473	Public Service Co of NM	Electric Utility	San Juan	NM	2451	4	507.0	Conventional Steam Coal	RC	ST
2022	8	6909	Gainesville Regional Utilities	Electric Utility	Deerhaven Generating Station	FL	663	1	75.0	Natural Gas Steam Turbine	NG	ST
2022	8	60791	Monroe County (NY)	Commercial	Iola Powerhouse & Cogeneration Facility	NY	62424	1	1.4	Natural Gas Internal Combustion Engine	NG	IC
2022	8	60791	Monroe County (NY)	Commercial	Iola Powerhouse & Cogeneration Facility	NY	62424	2	1.4	Natural Gas Internal Combustion Engine	NG	IC
2022	8	60791	Monroe County (NY)	Commercial	Iola Powerhouse & Cogeneration Facility	NY	62424	3	1.4	Natural Gas Internal Combustion Engine	NG	IC
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	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	1	76.0	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

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
2022	12	17718	Southwestern Public Service Co	Electric Utility	Cunningham	NM	2454	1	71.0	Natural Gas Steam Turbine	NG	ST
2022	12	17718	Southwestern Public Service Co	Electric Utility	Nichols	TX	3484	1	107.0	Natural Gas Steam Turbine	NG	ST
2022	12	17718	Southwestern Public Service Co	Electric Utility	Plant X	TX	3485	1	38.0	Natural Gas Steam Turbine	NG	ST
2022	12	19436	Union Electric Co - (MO)	Electric Utility	Meramec	MO	2104	1	118.0	Natural Gas Steam Turbine	NG	ST
2022	12	19436	Union Electric Co - (MO)	Electric Utility	Meramec	MO	2104	2	118.0	Natural Gas Steam Turbine	NG	ST
2022	12	19436	Union Electric Co - (MO)	Electric Utility	Meramec	MO	2104	3	260.0	Conventional Steam Coal	SUB	ST
2022	12	19436	Union Electric Co - (MO)	Electric Utility	Meramec	MO	2104	4	334.0	Conventional Steam Coal	SUB	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	1	57301	Orchard Mesa Irrigation District	Electric Utility	Grand Valley Project Power Plant	CO	473	1	1.5	Conventional Hydroelectric	WAT	HY
2023	1	61956	South Nassau Communities Hospital	Commercial	Mount Sinai South Nassau	NY	62447	1	1.1	Petroleum Liquids	DFO	IC
2023	1	61956	South Nassau Communities Hospital	Commercial	Mount Sinai South Nassau	NY	62447	2	0.8	Petroleum Liquids	DFO	IC
2023	1	61956	South Nassau Communities Hospital	Commercial	Mount Sinai South Nassau	NY	62447	3	1.0	Petroleum Liquids	DFO	IC
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	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	5	4254	Consumers Energy Co	Electric Utility	Dan E Karn	MI	1702	1A	127.5	Conventional Steam Coal	SUB	ST
2023	5	4254	Consumers Energy Co	Electric Utility	Dan E Karn	MI	1702	1B	127.5	Conventional Steam Coal	SUB	ST
2023	5	4254	Consumers Energy Co	Electric Utility	Dan E Karn	MI	1702	2A	130.0	Conventional Steam Coal	SUB	ST
2023	5	4254	Consumers Energy Co	Electric Utility	Dan E Karn	MI	1702	2B	130.0	Conventional Steam Coal	SUB	ST
2023	5	9267	Hoosier Energy R E C, Inc	Electric Utility	Merom	IN	6213	1	497.0	Conventional Steam Coal	BIT	ST
2023	5	9267	Hoosier Energy R E C, Inc	Electric Utility	Merom	IN	6213	2	494.0	Conventional Steam Coal	BIT	ST
2023	5	9273	Indianapolis Power & Light Co	Electric Utility	AES Petersburg	IN	994	ST2	421.8	Conventional Steam Coal	BIT	ST
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	2-1	35.6	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	2-2	34.2	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	2-3	36.9	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	2-4	35.1	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	3-1	34.6	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	3-2	35.2	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	3-3	34.9	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	3-4	36.1	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	4-1	31.9	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	4-2	33.5	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	4-3	34.1	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	4-4	33.3	Natural Gas Fired Combustion Turbine	NG	GT
2023	6	18488	City of Taunton	Electric Utility	Cleary Flood Hybrid	MA	1682	8	26.0	Petroleum Liquids	RFO	ST
2023	6	12685	Entergy Mississippi LLC	Electric Utility	Baxter Wilson	MS	2050	1	494.3	Natural Gas Steam Turbine	NG	ST
2023	6	13756	Northern Indiana Pub Serv Co	Electric Utility	R M Schahfer	IN	6085	14	431.0	Conventional Steam Coal	SUB	ST
2023	6	13756	Northern Indiana Pub Serv Co	Electric Utility	R M Schahfer	IN	6085	15	472.0	Conventional Steam Coal	SUB	ST
2023	6	13756	Northern Indiana Pub Serv Co	Electric Utility	R M Schahfer	IN	6085	17	361.0	Conventional Steam Coal	BIT	ST
2023	6	13756	Northern Indiana Pub Serv Co	Electric Utility	R M Schahfer	IN	6085	18	361.0	Conventional Steam Coal	BIT	ST
2023	9	17166	Sierra Pacific Power Co	Electric Utility	Brunswick	NV	6510	1	2.0	Petroleum Liquids	DFO	IC
2023	9	17166	Sierra Pacific Power Co	Electric Utility	Brunswick	NV	6510	2	2.0	Petroleum Liquids	DFO	IC
2023	9	17166	Sierra Pacific Power Co	Electric Utility	Brunswick	NV	6510	3	2.0	Petroleum Liquids	DFO	IC
2023	11	13781	Northern States Power Co - Minnesota	Electric Utility	Cornell	WI	6086	1	6.2	Conventional Hydroelectric	WAT	HY
2023	11	13781	Northern States Power Co - Minnesota	Electric Utility	Cornell	WI	6086	2	6.4	Conventional Hydroelectric	WAT	HY
2023	11	13781	Northern States Power Co - Minnesota	Electric Utility	Cornell	WI	6086	3	6.9	Conventional Hydroelectric	WAT	HY
2023	11	13781	Northern States Power Co - Minnesota	Electric Utility	Cornell	WI	6086	4	0.4	Conventional Hydroelectric	WAT	HY
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

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	12	14063	Oklahoma Gas & Electric Co	Electric Utility	Horseshoe Lake	OK	2951	6	163.0	Natural Gas Steam Turbine	NG	ST
2023	12	14127	Omaha Public Power District	Electric Utility	North Omaha	NE	2291	1	64.8	Natural Gas Steam Turbine	NG	ST
2023	12	14127	Omaha Public Power District	Electric Utility	North Omaha	NE	2291	2	90.8	Natural Gas Steam Turbine	NG	ST
2023	12	14127	Omaha Public Power District	Electric Utility	North Omaha	NE	2291	3	86.0	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	17633	Southern Indiana Gas & Elec Co	Electric Utility	F B Culley	IN	1012	2	90.0	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
2023	12	18642	Tennessee Valley Authority	Electric Utility	Bull Run	TN	3396	1	870.0	Conventional Steam Coal	BIT	ST
2024	1	11843	Maui Electric Co Ltd	Electric Utility	Kahului	HI	6056	1	4.7	Petroleum Liquids	RFO	ST
2024	1	11843	Maui Electric Co Ltd	Electric Utility	Kahului	HI	6056	2	4.8	Petroleum Liquids	RFO	ST
2024	1	11843	Maui Electric Co Ltd	Electric Utility	Kahului	HI	6056	3	11.0	Petroleum Liquids	RFO	ST
2024	1	11843	Maui Electric Co Ltd	Electric Utility	Kahului	HI	6056	4	11.9	Petroleum Liquids	RFO	ST
2024	1	54888	NRG Texas Power LLC	IPP	Greens Bayou	TX	3464	73	54.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	1	54888	NRG Texas Power LLC	IPP	Greens Bayou	TX	3464	74	54.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	1	54888	NRG Texas Power LLC	IPP	Greens Bayou	TX	3464	81	54.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	1	54888	NRG Texas Power LLC	IPP	Greens Bayou	TX	3464	82	50.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	1	54888	NRG Texas Power LLC	IPP	Greens Bayou	TX	3464	83	64.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	1	54888	NRG Texas Power LLC	IPP	Greens Bayou	TX	3464	84	54.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	11241	Entergy Louisiana LLC	Electric Utility	Waterford 1 & 2	LA	8056	2	417.3	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	16604	City of San Antonio - (TX)	Electric Utility	J T Deely	TX	6181	1	420.0	Conventional Steam Coal	SUB	ST
2024	12	16604	City of San Antonio - (TX)	Electric Utility	J T Deely	TX	6181	2	420.0	Conventional Steam Coal	SUB	ST
2024	12	16604	City of San Antonio - (TX)	Electric Utility	V H Braunig	TX	3612	1	217.0	Natural Gas Steam Turbine	NG	ST
2024	12	16604	City of San Antonio - (TX)	Electric Utility	V H Braunig	TX	3612	2	230.0	Natural Gas Steam Turbine	NG	ST
2024	12	16604	City of San Antonio - (TX)	Electric Utility	V H Braunig	TX	3612	3	412.0	Natural Gas Steam Turbine	NG	ST
2024	12	5416	Duke Energy Carolinas, LLC	Electric Utility	G G Allen	NC	2718	1	162.0	Conventional Steam Coal	BIT	ST
2024	12	5416	Duke Energy Carolinas, LLC	Electric Utility	G G Allen	NC	2718	2	162.0	Conventional Steam Coal	BIT	ST
2024	12	5416	Duke Energy Carolinas, LLC	Electric Utility	G G Allen	NC	2718	3	258.0	Conventional Steam Coal	BIT	ST
2024	12	56211	Evergy Missouri West	Electric Utility	Kansas City International	MO	6144	1	16.7	Natural Gas Fired Combustion Turbine	NG	GT
2024	12	56211	Evergy Missouri West	Electric Utility	Kansas City International	MO	6144	2	16.9	Natural Gas Fired Combustion Turbine	NG	GT
2024	12	56211	Evergy Missouri West	Electric Utility	Lake Road (MO)	MO	2098	4	97.1	Natural Gas Steam Turbine	NG	ST
2024	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	1	111.8	Natural Gas Steam Turbine	NG	ST
2024	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	2	156.3	Natural Gas Steam Turbine	NG	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	Saxon Falls	WI	1756	1	0.5	Conventional Hydroelectric	WAT	HY
2024	12	13781	Northern States Power Co - Minnesota	Electric Utility	Saxon Falls	WI	1756	2	0.5	Conventional Hydroelectric	WAT	HY
2024	12	13781	Northern States Power Co - Minnesota	Electric Utility	Superior Falls	MI	1757	1	0.5	Conventional Hydroelectric	WAT	HY
2024	12	13781	Northern States Power Co - Minnesota	Electric Utility	Superior Falls	MI	1757	2	0.5	Conventional Hydroelectric	WAT	HY
2024	12	17718	Southwestern Public Service Co	Electric Utility	Plant X	TX	3485	3	93.0	Natural Gas Steam Turbine	NG	ST
2025	1	17568	Cooperative Energy	Electric Utility	Moselle	MS	2070	3	59.0	Natural Gas Steam Turbine	NG	ST
2025	1	54888	NRG Texas Power LLC	IPP	W A Parish	TX	3470	1	169.0	Natural Gas Steam Turbine	NG	ST
2025	1	54888	NRG Texas Power LLC	IPP	W A Parish	TX	3470	2	169.0	Natural Gas Steam Turbine	NG	ST
2025	1	54888	NRG Texas Power LLC	IPP	W A Parish	TX	3470	3	273.0	Natural Gas Steam Turbine	NG	ST
2025	1	54888	NRG Texas Power LLC	IPP	W A Parish	TX	3470	4	552.0	Natural Gas Steam Turbine	NG	ST
2025	4	7801	Gulf Power Co	Electric Utility	Pea Ridge	FL	7715	1	4.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	4	7801	Gulf Power Co	Electric Utility	Pea Ridge	FL	7715	2	4.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	4	7801	Gulf Power Co	Electric Utility	Pea Ridge	FL	7715	3	4.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	5	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	10wt	0.1	Onshore Wind Turbine	WND	WT
2025	5	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	11wt	0.1	Onshore Wind Turbine	WND	WT
2025	5	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	12wt	0.1	Onshore Wind Turbine	WND	WT
2025	5	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	13WT	0.1	Onshore Wind Turbine	WND	WT
2025	5	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	14wt	0.1	Onshore Wind Turbine	WND	WT
2025	5	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	15WT	0.1	Onshore Wind Turbine	WND	WT
2025	5	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	16WT	0.1	Onshore Wind Turbine	WND	WT
2025	5	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	17WT	0.1	Onshore Wind Turbine	WND	WT
2025	5	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	1WT	0.6	Onshore Wind Turbine	WND	WT
2025	5	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	2WT	0.1	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
2025	5	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	3WT	0.2	Onshore Wind Turbine	WND	WT
2025	5	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	4WT	0.5	Onshore Wind Turbine	WND	WT
2025	5	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	5WT	0.1	Onshore Wind Turbine	WND	WT
2025	5	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	6WT	0.1	Onshore Wind Turbine	WND	WT
2025	5	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	7WT	0.1	Onshore Wind Turbine	WND	WT
2025	5	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	8WT	0.1	Onshore Wind Turbine	WND	WT
2025	5	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	9wt	0.1	Onshore Wind Turbine	WND	WT
2025	6	814	Entergy Arkansas LLC	Electric Utility	Lake Catherine	AR	170	4	522.0	Natural Gas Steam Turbine	NG	ST
2025	7	13781	Northern States Power Co - Minnesota	Electric Utility	White River (WI)	WI	3989	1	0.2	Conventional Hydroelectric	WAT	HY
2025	7	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	Sherburne County	MN	6090	1	680.0	Conventional Steam Coal	SUB	ST
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	51.0	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	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	17698	Southwestern Electric Power Co	Electric Utility	Arsenal Hill	LA	1416	5	110.0	Natural Gas Steam Turbine	NG	ST
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
2025	12	30151	Tri-State G & T Assn, Inc	Electric Utility	Craig (CO)	CO	6021	1	427.0	Conventional Steam Coal	SUB	ST
2026	6	11241	Entergy Louisiana LLC	Electric Utility	Little Gypsy	LA	1402	2	415.0	Natural Gas Steam Turbine	NG	ST
2026	6	55937	Entergy Texas Inc.	Electric Utility	Sabine	TX	3459	3	410.7	Natural Gas Steam Turbine	NG	ST
2026	6	55937	Entergy Texas Inc.	Electric Utility	Sabine	TX	3459	4	533.4	Natural Gas Steam Turbine	NG	ST
2026	6	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT1	14.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	6	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT2	12.7	Natural Gas Fired Combustion Turbine	NG	GT
2026	6	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT3	13.7	Natural Gas Fired Combustion Turbine	NG	GT
2026	6	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT4	5.0	Natural Gas Fired Combustion Turbine	NG	GT
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	95.0	Natural Gas Steam Turbine	NG	ST
2026	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	4	89.0	Natural Gas Fired Combined Cycle	NG	CA
2026	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	CT1	69.0	Natural Gas Fired Combined Cycle	NG	CT
2026	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	CT2	69.0	Natural Gas Fired Combined Cycle	NG	CT
2026	12	5860	Empire District Electric Co	Electric Utility	Empire Energy Center	MO	6223	1	78.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	12	5860	Empire District Electric Co	Electric Utility	Empire Energy Center	MO	6223	2	78.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	12	56997	Marina Energy LLC	IPP	L'Oreal Piscataway	NJ	57868	UNIT1	0.8	Solar Photovoltaic	SUN	PV
2026	12	13781	Northern States Power Co - Minnesota	Electric Utility	Inver Hills	MN	1913	1	47.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	12	13781	Northern States Power Co - Minnesota	Electric Utility	Inver Hills	MN	1913	2	47.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	12	13781	Northern States Power Co - Minnesota	Electric Utility	Inver Hills	MN	1913	3	47.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	12	13781	Northern States Power Co - Minnesota	Electric Utility	Inver Hills	MN	1913	4	47.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	12	13781	Northern States Power Co - Minnesota	Electric Utility	Inver Hills	MN	1913	5	47.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	12	13781	Northern States Power Co - Minnesota	Electric Utility	Inver Hills	MN	1913	6	47.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	12	13781	Northern States Power Co - Minnesota	Electric Utility	Inver Hills	MN	1913	7	1.8	Petroleum Liquids	DFO	GT
2026	12	13781	Northern States Power Co - Minnesota	Electric Utility	Inver Hills	MN	1913	8	1.8	Petroleum Liquids	DFO	GT
2026	12	15466	Public Service Co of Colorado	Electric Utility	Alamosa	CO	464	CT1	13.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	12	15466	Public Service Co of Colorado	Electric Utility	Alamosa	CO	464	CT2	14.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	12	15466	Public Service Co of Colorado	Electric Utility	Fort Lupton	CO	8067	1	44.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	12	15466	Public Service Co of Colorado	Electric Utility	Fort Lupton	CO	8067	2	44.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	12	15466	Public Service Co of Colorado	Electric Utility	Fruita	CO	471	1	14.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	12	15466	Public Service Co of Colorado	Electric Utility	Valmont	CO	477	6	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2027	2	56997	Marina Energy LLC	IPP	Heller Industrial Parks	NJ	57869	HH	0.5	Solar Photovoltaic	SUN	PV

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
2027	2	56997	Marina Energy LLC	IPP	Heller Industrial Parks	NJ	57869	HII	0.4	Solar Photovoltaic	SUN	PV
2027	2	56997	Marina Energy LLC	IPP	Heller Industrial Parks	NJ	57869	HJC	0.2	Solar Photovoltaic	SUN	PV
2027	2	56997	Marina Energy LLC	IPP	Heller Industrial Parks	NJ	57869	UNIT1	2.7	Solar Photovoltaic	SUN	PV
2027	4	5695	Desert Star Energy Center SDG&E	Electric Utility	Desert Star Energy Center	NV	55077	ED01	150.0	Natural Gas Fired Combined Cycle	NG	CT
2027	4	5695	Desert Star Energy Center SDG&E	Electric Utility	Desert Star Energy Center	NV	55077	ED02	150.0	Natural Gas Fired Combined Cycle	NG	CT
2027	4	5695	Desert Star Energy Center SDG&E	Electric Utility	Desert Star Energy Center	NV	55077	ED03	150.0	Natural Gas Fired Combined Cycle	NG	CA
2027	6	11208	Los Angeles Department of Water & Power	Electric Utility	Intermountain Power Project	UT	6481	1	900.0	Conventional Steam Coal	BIT	ST
2027	6	11208	Los Angeles Department of Water & Power	Electric Utility	Intermountain Power Project	UT	6481	2	900.0	Conventional Steam Coal	BIT	ST
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	Red Wing	MN	1926	1	9.0	Municipal Solid Waste	MSW	ST
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	Red Wing	MN	1926	2	9.0	Municipal Solid Waste	MSW	ST
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	St Croix Falls	WI	4011	1	1.8	Conventional Hydroelectric	WAT	HY
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	St Croix Falls	WI	4011	2	1.8	Conventional Hydroelectric	WAT	HY
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	St Croix Falls	WI	4011	3	1.9	Conventional Hydroelectric	WAT	HY
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	St Croix Falls	WI	4011	4	1.9	Conventional Hydroelectric	WAT	HY
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	St Croix Falls	WI	4011	5	2.0	Conventional Hydroelectric	WAT	HY
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	St Croix Falls	WI	4011	6	1.9	Conventional Hydroelectric	WAT	HY
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	St Croix Falls	WI	4011	7	2.0	Conventional Hydroelectric	WAT	HY
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	St Croix Falls	WI	4011	8	1.9	Conventional Hydroelectric	WAT	HY
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	Wilmarth	MN	1934	1	9.0	Municipal Solid Waste	MSW	ST
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	Wilmarth	MN	1934	2	9.0	Municipal Solid Waste	MSW	ST
2027	12	15466	Public Service Co of Colorado	Electric Utility	Cherokee	CO	469	4	310.0	Natural Gas Steam Turbine	NG	ST
2027	12	15466	Public Service Co of Colorado	Electric Utility	Salida	CO	474	2	0.6	Conventional Hydroelectric	WAT	HY
2027	12	17718	Southwestern Public Service Co	Electric Utility	Plant X	TX	3485	4	190.0	Natural Gas Steam Turbine	NG	ST
2028	1	56997	Marina Energy LLC	IPP	Freeze Solar	NJ	60759	PV1	1.4	Solar Photovoltaic	SUN	PV
2028	5	56997	Marina Energy LLC	IPP	Heller 400M	NJ	62438	A	0.8	Solar Photovoltaic	SUN	PV
2028	5	56997	Marina Energy LLC	IPP	Heller 400M	NJ	62438	B	0.2	Solar Photovoltaic	SUN	PV
2028	5	56997	Marina Energy LLC	IPP	Heller 400M	NJ	62438	C	0.2	Solar Photovoltaic	SUN	PV
2028	5	56997	Marina Energy LLC	IPP	Heller Industrial Parks	NJ	57869	HM	0.8	Solar Photovoltaic	SUN	PV
2028	5	13756	Northern Indiana Pub Serv Co	Electric Utility	Michigan City	IN	997	12	455.0	Conventional Steam Coal	SUB	ST
2028	12	16604	City of San Antonio - (TX)	Electric Utility	O W Sommers	TX	3611	2	410.0	Natural Gas Steam Turbine	NG	ST
2028	12	61944	GSRP	IPP	ACCC Mays Landing	NJ	60802	PV1	1.4	Solar Photovoltaic	SUN	PV
2028	12	61944	GSRP	IPP	IFF Hazlet	NJ	60709	GRND	3.0	Solar Photovoltaic	SUN	PV
2028	12	9324	Indiana Michigan Power Co	Electric Utility	Rockport	IN	6166	1	1,300.0	Conventional Steam Coal	SUB	ST
2028	12	17718	Southwestern Public Service Co	Electric Utility	Maddox	NM	2446	1	112.0	Natural Gas Steam Turbine	NG	ST
2029	5	5109	DTE Electric Company	Electric Utility	Belle River	MI	6034	ST1	635.0	Conventional Steam Coal	RC	ST
2029	6	11241	Entergy Louisiana LLC	Electric Utility	Little Gypsy	LA	1402	3	517.4	Natural Gas Steam Turbine	NG	ST
2029	10	56667	Loraine Windpower Project	IPP	Loraine Windpark Project LLC	TX	57303	LWG1	75.0	Onshore Wind Turbine	WND	WT
2030		30151	Tri-State G & T Assn, Inc	Electric Utility	Craig (CO)	CO	6021	2	410.0	Conventional Steam Coal	SUB	ST
2030		30151	Tri-State G & T Assn, Inc	Electric Utility	Craig (CO)	CO	6021	3	448.0	Conventional Steam Coal	SUB	ST
2030	1	54888	NRG Texas Power LLC	IPP	Limestone	TX	298	1	831.0	Conventional Steam Coal	SUB	ST
2030	1	54888	NRG Texas Power LLC	IPP	Limestone	TX	298	2	858.0	Conventional Steam Coal	SUB	ST
2030	1	54888	NRG Texas Power LLC	IPP	T H Wharton	TX	3469	3	104.0	Natural Gas Fired Combined Cycle	NG	CA
2030	1	54888	NRG Texas Power LLC	IPP	T H Wharton	TX	3469	31	57.0	Natural Gas Fired Combined Cycle	NG	CT
2030	1	54888	NRG Texas Power LLC	IPP	T H Wharton	TX	3469	32	57.0	Natural Gas Fired Combined Cycle	NG	CT
2030	1	54888	NRG Texas Power LLC	IPP	T H Wharton	TX	3469	33	57.0	Natural Gas Fired Combined Cycle	NG	CT
2030	1	54888	NRG Texas Power LLC	IPP	T H Wharton	TX	3469	34	57.0	Natural Gas Fired Combined Cycle	NG	CT
2030	1	54888	NRG Texas Power LLC	IPP	T H Wharton	TX	3469	4	104.0	Natural Gas Fired Combined Cycle	NG	CA
2030	1	54888	NRG Texas Power LLC	IPP	T H Wharton	TX	3469	41	57.0	Natural Gas Fired Combined Cycle	NG	CT
2030	1	54888	NRG Texas Power LLC	IPP	T H Wharton	TX	3469	42	57.0	Natural Gas Fired Combined Cycle	NG	CT
2030	1	54888	NRG Texas Power LLC	IPP	T H Wharton	TX	3469	43	57.0	Natural Gas Fired Combined Cycle	NG	CT
2030	1	54888	NRG Texas Power LLC	IPP	T H Wharton	TX	3469	44	57.0	Natural Gas Fired Combined Cycle	NG	CT
2030	1	54888	NRG Texas Power LLC	IPP	T H Wharton	TX	3469	51	58.0	Natural Gas Fired Combustion Turbine	NG	GT
2030	1	54888	NRG Texas Power LLC	IPP	T H Wharton	TX	3469	52	58.0	Natural Gas Fired Combustion Turbine	NG	GT
2030	1	54888	NRG Texas Power LLC	IPP	T H Wharton	TX	3469	53	58.0	Natural Gas Fired Combustion Turbine	NG	GT
2030	1	54888	NRG Texas Power LLC	IPP	T H Wharton	TX	3469	54	58.0	Natural Gas Fired Combustion Turbine	NG	GT
2030	1	54888	NRG Texas Power LLC	IPP	T H Wharton	TX	3469	55	58.0	Natural Gas Fired Combustion Turbine	NG	GT
2030	1	54888	NRG Texas Power LLC	IPP	T H Wharton	TX	3469	56	58.0	Natural Gas Fired Combustion Turbine	NG	GT
2030	1	54888	NRG Texas Power LLC	IPP	T H Wharton	TX	3469	GT1	13.0	Natural Gas Fired Combustion Turbine	NG	GT
2030	5	5109	DTE Electric Company	Electric Utility	Belle River	MI	6034	ST2	635.0	Conventional Steam Coal	RC	ST
2030	12	40230	Deseret Generation & Tran Coop	Electric Utility	Bonanza	UT	7790	1	458.0	Conventional Steam Coal	BIT	ST
2030	12	17718	Southwestern Public Service Co	Electric Utility	Nichols	TX	3484	3	244.0	Natural Gas Steam Turbine	NG	ST
2031	3	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL00	0.1	Other Waste Biomass	OBG	FC

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
2031	3	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL01	0.1	Other Waste Biomass	OBG	FC
2031	3	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL02	0.1	Other Waste Biomass	OBG	FC
2031	3	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL03	0.1	Other Waste Biomass	OBG	FC
2031	3	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL04	0.1	Other Waste Biomass	OBG	FC
2031	3	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL05	0.1	Other Waste Biomass	OBG	FC
2031	3	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL06	0.1	Other Waste Biomass	OBG	FC
2031	3	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL07	0.1	Other Waste Biomass	OBG	FC
2031	3	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL08	0.1	Other Waste Biomass	OBG	FC
2031	3	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL09	0.1	Other Waste Biomass	OBG	FC
2031	3	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL10	0.1	Other Waste Biomass	OBG	FC
2031	6	11241	Entergy Louisiana LLC	Electric Utility	Nine Mile Point	LA	1403	6(4)	729.5	Natural Gas Steam Turbine	NG	ST
2031	12	17718	Southwestern Public Service Co	Electric Utility	Jones	TX	3482	1	243.0	Natural Gas Steam Turbine	NG	ST
2032	1	54888	NRG Texas Power LLC	IPP	San Jacinto Steam Electric Station	TX	7325	1	81.0	Natural Gas Fired Combustion Turbine	NG	GT
2032	1	54888	NRG Texas Power LLC	IPP	San Jacinto Steam Electric Station	TX	7325	2	81.0	Natural Gas Fired Combustion Turbine	NG	GT
2033	6	11241	Entergy Louisiana LLC	Electric Utility	Nine Mile Point	LA	1403	5	743.8	Natural Gas Steam Turbine	NG	ST
2034	6	55937	Entergy Texas Inc.	Electric Utility	Lewis Creek	TX	3457	1	252.1	Natural Gas Steam Turbine	NG	ST
2034	6	55937	Entergy Texas Inc.	Electric Utility	Lewis Creek	TX	3457	2	253.0	Natural Gas Steam Turbine	NG	ST
2034	12	13781	Northern States Power Co - Minnesota	Electric Utility	Sherburne County	MN	6090	3	876.0	Conventional Steam Coal	SUB	ST
2034	12	17718	Southwestern Public Service Co	Electric Utility	Jones	TX	3482	2	243.0	Natural Gas Steam Turbine	NG	ST
2034	12	17718	Southwestern Public Service Co	Electric Utility	Quay County	NM	58125	1	17.0	Petroleum Liquids	DFO	GT
2035	6	12685	Entergy Mississippi LLC	Electric Utility	Gerald Andrus	MS	8054	1	727.5	Natural Gas Steam Turbine	NG	ST
2036	12	17718	Southwestern Public Service Co	Electric Utility	Harrington	TX	6193	1	339.0	Conventional Steam Coal	SUB	ST
2037	11	54888	NRG Texas Power LLC	IPP	NRG Elbow Creek Energy Storage Project	TX	61362	ECBS	2.0	Batteries	MWH	BA
2037	12	17718	Southwestern Public Service Co	Electric Utility	Tolk	TX	6194	1	532.0	Conventional Steam Coal	SUB	ST
2037	12	17718	Southwestern Public Service Co	Electric Utility	Tolk	TX	6194	2	535.0	Conventional Steam Coal	SUB	ST
2038	12	17718	Southwestern Public Service Co	Electric Utility	Harrington	TX	6193	2	339.0	Conventional Steam Coal	SUB	ST
2039	7	56020	NRG Cedar Bayou Development Company LLC	IPP	Cedar Bayou 4	TX	56806	4	172.0	Natural Gas Fired Combined Cycle	NG	CA
2039	7	56020	NRG Cedar Bayou Development Company LLC	IPP	Cedar Bayou 4	TX	56806	41	165.0	Natural Gas Fired Combined Cycle	NG	CT
2039	7	56020	NRG Cedar Bayou Development Company LLC	IPP	Cedar Bayou 4	TX	56806	42	165.0	Natural Gas Fired Combined Cycle	NG	CT
2040	12	17718	Southwestern Public Service Co	Electric Utility	Cunningham	NM	2454	3	106.0	Natural Gas Fired Combustion Turbine	NG	GT
2040	12	17718	Southwestern Public Service Co	Electric Utility	Cunningham	NM	2454	4	103.0	Natural Gas Fired Combustion Turbine	NG	GT
2040	12	17718	Southwestern Public Service Co	Electric Utility	Harrington	TX	6193	3	340.0	Conventional Steam Coal	SUB	ST
2043	12	58840	Copenhagen Wind Farm, LLC	IPP	Copenhagen Wind Farm	NY	58979	CPHGN	79.9	Onshore Wind Turbine	WND	WT
2045	1	54888	NRG Texas Power LLC	IPP	W A Parish	TX	3470	5	664.0	Conventional Steam Coal	SUB	ST
2045	1	54888	NRG Texas Power LLC	IPP	W A Parish	TX	3470	6	663.0	Conventional Steam Coal	SUB	ST
2045	1	54888	NRG Texas Power LLC	IPP	W A Parish	TX	3470	7	577.0	Conventional Steam Coal	SUB	ST
2045	1	54888	NRG Texas Power LLC	IPP	W A Parish	TX	3470	8	610.0	Conventional Steam Coal	SUB	ST
2045	1	54888	NRG Texas Power LLC	IPP	W A Parish	TX	3470	GT1	13.0	Natural Gas Fired Combustion Turbine	NG	GT
2045	1	58365	Petra Nova Power I LLC	IPP	W.A. Parish Carbon Capture Plant	TX	58378	GT2	74.0	Natural Gas Fired Combustion Turbine	NG	GT
2047	7	60455	PVN Milliken, LLC	IPP	PVN Milliken, LLC	CA	60790	PV	3.0	Solar Photovoltaic	SUN	PV
2049	4	61612	Panda Solar NC 1, LLC	IPP	Panda Solar NC 1, LLC	NC	62089	20002	1.0	Solar Photovoltaic	SUN	PV
2049	4	61655	Panda Solar NC 2, LLC	IPP	Panda Solar NC 2, LLC	NC	62120	20003	2.0	Solar Photovoltaic	SUN	PV
2049	6	61663	Panda Solar NC 10, LLC	IPP	Panda Solar NC 10, LLC	NC	62128	20031	2.0	Solar Photovoltaic	SUN	PV
2049	6	61664	Panda Solar NC 11, LLC	IPP	Panda Solar NC 11, LLC	NC	62129	20032	2.0	Solar Photovoltaic	SUN	PV
2049	6	61656	Panda Solar NC 3, LLC	IPP	Panda Solar NC 3, LLC	NC	62121	20011	2.0	Solar Photovoltaic	SUN	PV
2049	6	61658	Panda Solar NC 5, LLC	IPP	Panda Solar NC 5, LLC	NC	62123	20007	1.0	Solar Photovoltaic	SUN	PV
2049	6	61660	Panda Solar NC 6, LLC	IPP	Panda Solar NC 6, LLC	NC	62124	20028	1.0	Solar Photovoltaic	SUN	PV
2049	6	61662	Panda Solar NC 9, LLC	IPP	Panda Solar NC 9, LLC	NC	62127	20022	2.0	Solar Photovoltaic	SUN	PV
2049	9	61661	Panda Solar NC 8, LLC	IPP	Panda Solar NC 8, LLC	NC	62126	20052	2.0	Solar Photovoltaic	SUN	PV
2056	12	17718	Southwestern Public Service Co	Electric Utility	Jones	TX	3482	3	166.0	Natural Gas Fired Combustion Turbine	NG	GT
2058	12	17718	Southwestern Public Service Co	Electric Utility	Jones	TX	3482	4	168.0	Natural Gas Fired Combustion Turbine	NG	GT

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this 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 6.07.A. Capacity Factors for Utility Scale Generators Primarily Using Fossil Fuels

	Coal		Natural Gas								Petroleum					
Year/Month			Combined Cycle		Gas Turbine		Steam Turbine		Internal Combustion		Steam Turbine		Gas Turbine		Internal Combustion	
	Time Adjusted Capacity	Capacity Factor	Time Adjusted Capacity	Capacity Factor	Time Adjusted Capacity	Capacity Factor	Time Adjusted Capacity	Capacity Factor	Time Adjusted Capacity	Capacity Factor	Time Adjusted Capacity	Capacity Factor	Time Adjusted Capacity	Capacity Factor	Time Adjusted Capacity	Capacity Factor
Annual Data																
2010	313,393.9	67.1%	202,404.4	44.3%	116,426.0	7.8%	80,233.7	11.1%	2,543.0	6.5%	29,871.2	13.6%	19,565.5	2.0%	5,016.0	2.1%
2011	314,056.1	62.8%	210,518.7	44.3%	119,144.1	7.9%	78,898.6	11.7%	2,822.5	8.4%	26,683.0	12.6%	18,397.7	1.3%	4,986.0	2.2%
2012	304,974.9	56.2%	217,938.2	52.2%	119,319.4	8.9%	74,200.2	13.3%	2,988.8	7.3%	22,483.7	13.7%	17,773.5	1.3%	4,942.5	2.0%
2013	302,604.4	59.4%	219,902.9	48.8%	123,025.6	8.3%	75,810.5	11.2%	2,996.2	8.8%	20,022.9	12.6%	17,224.1	0.9%	4,999.4	2.1%
2014	299,064.7	60.5%	224,183.2	48.6%	124,736.9	8.3%	75,049.1	10.3%	3,026.7	10.8%	18,057.0	13.0%	16,791.5	1.2%	5,011.3	2.1%
2015	286,082.7	54.3%	231,467.5	55.8%	123,444.3	9.8%	80,348.0	11.3%	3,507.8	11.9%	14,965.4	14.0%	16,122.8	1.3%	5,075.2	2.1%
2016	269,477.1	52.8%	236,442.8	55.4%	125,148.4	11.0%	81,225.1	12.3%	3,684.3	11.5%	13,993.7	12.2%	15,114.0	1.3%	5,082.8	2.3%
2017	259,930.2	53.1%	242,839.1	51.2%	125,806.6	9.6%	79,149.4	10.7%	4,225.5	11.6%	13,290.9	13.7%	14,275.3	1.0%	5,153.3	2.1%
2018	246,866.8	53.6%	254,403.3	55.0%	126,763.4	11.9%	76,177.8	12.6%	4,446.6	13.0%	13,300.1	14.2%	14,234.9	1.3%	5,289.7	1.9%
2019	235,534.1	47.5%	267,130.4	56.8%	128,480.5	11.8%	73,591.7	14.3%	4,844.3	13.9%	11,712.2	12.7%	14,192.6	1.1%	5,250.4	2.2%
Year 2018																
January	251,730.8	64.0%	247,709.0	51.4%	126,362.3	11.7%	78,615.1	10.9%	4,280.9	11.8%	13,440.4	19.9%	14,336.6	3.5%	5,330.8	2.5%
February	250,522.8	49.1%	247,709.0	51.6%	126,189.1	9.3%	78,185.1	5.8%	4,292.9	12.0%	13,440.4	12.1%	14,336.6	0.8%	5,333.5	1.8%
March	249,781.8	43.8%	247,709.0	49.1%	126,170.5	10.3%	77,411.2	7.5%	4,288.5	11.9%	13,440.4	10.9%	14,336.6	0.9%	5,326.9	1.8%
April	248,603.8	41.5%	248,199.0	45.6%	126,338.5	10.5%	77,369.9	8.5%	4,372.4	10.9%	13,440.4	12.9%	14,336.6	1.0%	5,317.8	2.0%
May	248,603.8	46.7%	252,604.7	49.8%	126,690.5	11.3%	76,359.3	15.3%	4,372.4	12.0%	13,440.4	10.0%	14,336.6	1.1%	5,319.2	1.8%
June	245,407.8	58.0%	255,100.3	58.7%	126,881.1	12.4%	75,658.1	16.3%	4,362.4	13.1%	13,440.4	15.0%	14,166.6	1.4%	5,275.1	1.8%
July	245,407.8	63.8%	256,721.3	69.8%	126,878.6	16.3%	75,658.1	23.3%	4,369.0	18.3%	13,440.4	16.6%	14,166.6	1.5%	5,276.5	1.8%
August	245,407.8	63.6%	257,487.3	69.3%	127,267.4	15.0%	75,658.1	20.3%	4,594.6	16.9%	13,440.4	15.6%	14,166.6	1.3%	5,277.8	2.1%
Sept	245,113.4	55.3%	258,463.3	63.2%	127,146.3	13.8%	75,650.6	15.6%	4,594.3	13.8%	13,440.4	16.9%	14,166.6	1.3%	5,274.0	2.0%
October	244,837.5	48.5%	258,836.7	52.9%	127,104.0	11.6%	75,120.6	12.6%	4,595.0	12.4%	13,440.4	13.7%	14,166.6	1.1%	5,269.0	2.0%
November	244,426.5	53.2%	260,948.0	48.8%	126,977.7	10.5%	74,758.6	8.7%	4,613.6	11.7%	13,440.4	13.4%	14,154.6	1.1%	5,240.4	1.8%
December	242,785.6	55.9%	260,868.5	48.9%	127,108.3	9.1%	73,841.6	6.3%	4,613.6	11.0%	11,788.4	12.6%	14,154.6	1.0%	5,237.9	1.7%
Year 2019																
January	242,491.4	56.5%	263,679.0	54.0%	127,778.9	8.0%	73,634.6	8.7%	4,631.1	10.0%	11,788.4	12.8%	14,214.1	0.7%	5,248.6	2.0%
February	239,557.9	50.4%	263,679.0	55.3%	127,778.9	8.5%	74,619.1	8.0%	4,703.6	12.3%	11,788.4	12.8%	14,214.1	0.6%	5,250.6	1.7%
March	238,326.9	45.0%	263,362.0	50.0%	127,780.0	8.0%	74,010.1	9.0%	4,703.6	10.9%	11,855.4	12.2%	14,195.1	0.5%	5,247.8	1.6%
April	236,845.5	35.9%	266,197.3	45.0%	127,893.2	9.6%	74,005.8	11.0%	4,882.5	10.0%	11,709.4	11.1%	14,195.1	0.8%	5,245.4	1.8%
May	236,095.5	41.7%	266,482.7	48.6%	128,385.3	10.2%	74,005.8	13.8%	4,882.5	10.5%	11,709.4	15.8%	14,195.1	1.0%	5,254.2	2.1%
June	235,987.9	47.0%	268,187.8	59.6%	128,502.4	11.4%	73,711.1	16.4%	4,883.4	12.7%	11,709.4	15.0%	14,184.8	1.1%	5,254.2	2.3%
July	235,005.4	58.4%	269,033.1	69.8%	128,862.6	19.3%	73,681.1	24.7%	4,905.4	21.1%	11,709.4	16.7%	14,184.8	2.3%	5,255.9	3.0%
August	235,005.4	54.6%	269,033.1	70.8%	128,962.6	18.7%	73,681.1	25.3%	4,905.4	22.0%	11,709.4	16.4%	14,179.1	2.4%	5,247.6	3.2%
Sept	234,817.4	51.6%	269,033.1	63.9%	128,922.6	14.8%	73,681.1	19.9%	4,905.4	17.6%	11,642.4	15.1%	14,192.6	1.6%	5,251.6	2.7%
October	233,595.4	39.2%	268,480.5	54.8%	129,000.1	13.6%	73,196.1	15.9%	4,905.4	14.5%	11,642.4	8.9%	14,192.6	1.5%	5,251.6	2.4%
November	229,673.4	46.0%	269,047.5	52.3%	128,966.1	10.7%	73,023.1	9.2%	4,905.4	13.6%	11,642.4	7.5%	14,192.6	0.6%	5,251.6	2.1%
December	229,241.4	43.2%	269,143.4	57.0%	128,876.8	8.8%	71,952.3	8.6%	4,910.3	11.1%	11,642.4	7.9%	14,172.6	0.5%	5,245.2	1.8%
Year 2020																
January	227,611.7	39.1%	269,932.4	58.5%	128,783.4	8.9%	71,503.5	9.0%	4,927.8	10.2%	11,610.7	11.1%	14,082.8	0.9%	5,228.9	1.8%
February	227,178.5	36.4%	270,379.7	58.8%	128,899.7	9.5%	70,137.2	9.9%	5,024.8	11.3%	11,597.9	8.2%	14,097.4	0.7%	5,254.9	1.8%

Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary.
Time adjusted capacity for month rows is the summer capacity of generators in operation for the entire month; units that began operation during the month or that retired during the month are excluded. Time adjusted capacity for year rows is a time weighted average of the month rows.
Capacity factors are a comparison of net generation with available capacity. See the technical note for an explanation of how capacity factors are calculated.
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 6.07.B. Capacity Factors for Utility Scale Generators Primarily Using Non-Fossil Fuels

Year/Month	Geothermal		Hydroelectric		Nuclear		Other Biomass		Other Gas		Solar				Wind		Wood	
											Photovoltaic		Thermal					
	Time Adjusted Capacity	Capacity Factor	Time Adjusted Capacity	Capacity Factor	Time Adjusted Capacity	Capacity Factor	Time Adjusted Capacity	Capacity Factor	Time Adjusted Capacity	Capacity Factor	Time Adjusted Capacity	Capacity Factor	Time Adjusted Capacity	Capacity Factor	Time Adjusted Capacity	Capacity Factor	Time Adjusted Capacity	Capacity Factor
Annual Data																		
2010	2,392.1	71.6%	78,810.3	37.5%	101,167.4	91.1%	4,298.7	64.2%	1,929.0	50.5%	206.8	20.2%	473.0	24.5%	35,702.6	29.7%	6,991.5	61.5%
2011	2,407.9	71.5%	78,564.7	45.8%	101,265.1	89.1%	4,469.8	64.2%	1,902.7	54.1%	537.0	19.0%	485.3	23.9%	42,019.2	32.1%	7,000.3	59.6%
2012	2,531.8	68.3%	78,296.6	39.6%	101,166.0	86.6%	4,639.7	63.3%	1,802.8	59.6%	1,527.1	20.4%	476.0	23.6%	49,458.0	31.8%	7,089.1	61.3%
2013	2,509.5	71.8%	78,873.5	38.8%	99,006.8	90.8%	4,949.7	62.3%	2,171.6	55.9%	3,525.2	24.5%	552.1	17.4%	59,175.6	32.4%	7,887.9	59.0%
2014	2,513.3	72.0%	79,582.8	37.2%	98,569.3	91.7%	5,114.6	62.7%	1,994.0	54.0%	6,555.6	25.6%	1,445.3	18.3%	60,587.8	34.0%	8,319.7	60.0%
2015	2,523.0	71.9%	79,650.8	35.7%	98,614.6	92.3%	5,104.5	62.6%	2,527.7	60.8%	9,521.6	25.5%	1,697.3	21.7%	67,106.2	32.2%	9,024.5	59.3%
2016	2,516.6	71.6%	79,806.0	38.2%	99,364.8	92.3%	5,099.5	62.7%	2,458.8	64.8%	14,161.4	25.0%	1,757.9	22.1%	74,162.7	34.5%	8,979.8	58.3%
2017	2,460.4	73.2%	79,698.8	43.0%	99,619.5	92.3%	5,125.6	61.8%	2,375.8	62.8%	21,940.9	25.6%	1,757.9	21.8%	83,355.6	34.6%	8,807.5	60.2%
2018	2,391.5	76.0%	79,771.9	41.9%	99,605.2	92.5%	5,059.0	61.8%	2,543.9	65.4%	27,143.3	25.1%	1,757.9	23.6%	89,228.5	34.6%	8,760.2	60.6%
2019	2,457.2	74.4%	79,824.2	39.1%	98,787.9	93.5%	4,983.1	59.2%	2,547.7	67.0%	31,832.9	24.5%	1,757.9	21.2%	97,649.0	34.8%	8,501.4	60.9%
Year 2018																		
January	2,387.5	75.3%	79,771.8	42.2%	99,730.6	100.6%	5,108.5	62.2%	2,543.9	66.2%	25,311.1	16.3%	1,757.9	10.0%	87,552.6	38.7%	8,813.0	65.3%
February	2,403.5	78.9%	79,771.8	46.4%	99,730.6	96.7%	5,083.1	64.6%	2,543.9	66.6%	25,968.4	20.9%	1,757.9	16.1%	88,563.2	38.8%	8,813.0	62.5%
March	2,382.2	76.8%	79,785.3	43.6%	99,730.6	90.3%	5,086.1	62.0%	2,543.9	63.3%	26,067.6	24.3%	1,757.9	19.2%	88,787.7	40.1%	8,780.5	61.7%
April	2,392.2	69.0%	79,792.3	48.9%	99,730.6	82.4%	5,086.1	60.9%	2,543.9	61.6%	26,591.3	29.7%	1,757.9	24.4%	88,789.2	41.3%	8,780.5	55.6%
May	2,392.2	77.7%	79,753.3	51.3%	99,730.6	90.7%	5,083.5	59.4%	2,543.9	63.2%	26,859.7	31.8%	1,757.9	32.9%	89,086.2	36.0%	8,761.5	58.0%
June	2,392.2	75.5%	79,753.8	48.1%	99,730.6	97.1%	5,006.9	63.0%	2,543.9	64.1%	27,291.3	34.9%	1,757.9	41.7%	89,078.2	38.4%	8,775.5	61.7%
July	2,392.2	77.0%	79,751.6	42.3%	99,730.6	97.7%	5,050.2	62.3%	2,543.9	65.8%	27,451.7	31.1%	1,757.9	30.1%	89,227.2	24.7%	8,767.2	63.7%
August	2,392.2	76.8%	79,751.6	37.1%	99,730.6	97.4%	5,042.5	62.6%	2,543.9	68.7%	27,590.1	30.5%	1,757.9	32.5%	89,387.5	29.8%	8,748.7	62.2%
Sept	2,392.2	77.1%	79,751.6	33.4%	99,277.9	90.3%	5,042.5	58.3%	2,543.9	67.2%	27,674.0	27.7%	1,757.9	34.8%	89,469.5	28.6%	8,748.7	58.5%
October	2,392.2	71.5%	79,753.6	32.9%	99,277.9	80.4%	5,041.4	61.0%	2,543.9	64.3%	27,989.5	22.4%	1,757.9	20.7%	89,941.8	31.5%	8,748.7	56.5%
November	2,392.2	77.3%	79,753.6	38.1%	99,432.9	89.3%	5,039.0	62.3%	2,543.9	67.4%	28,158.3	17.3%	1,757.9	13.3%	90,282.8	33.8%	8,694.6	60.4%
December	2,387.9	79.4%	79,870.8	38.4%	99,432.9	96.9%	5,038.6	63.2%	2,543.9	67.0%	28,690.2	13.7%	1,757.9	7.0%	90,534.1	34.8%	8,694.6	61.4%
Year 2019																		
January	2,451.2	77.8%	79,868.4	40.7%	99,391.6	99.7%	5,030.5	59.8%	2,543.9	67.4%	30,261.1	15.5%	1,757.9	8.4%	94,391.7	35.5%	8,641.1	62.9%
February	2,451.2	79.4%	79,879.1	40.7%	99,391.6	96.9%	5,030.5	59.3%	2,543.9	68.9%	30,924.8	17.7%	1,757.9	10.9%	95,314.5	35.8%	8,641.1	62.6%
March	2,451.2	78.8%	79,895.1	43.0%	99,391.6	88.0%	4,996.6	58.1%	2,543.9	64.8%	31,132.5	24.2%	1,757.9	19.8%	95,806.3	36.4%	8,490.4	58.6%
April	2,459.1	70.0%	79,895.1	44.3%	99,546.6	84.5%	4,996.6	56.4%	2,548.9	63.2%	31,355.3	28.8%	1,757.9	25.5%	96,636.3	42.6%	8,567.3	56.4%
May	2,459.1	73.6%	79,875.2	50.6%	98,873.0	90.9%	4,991.0	58.7%	2,548.9	65.6%	31,444.8	29.3%	1,757.9	25.7%	96,638.1	36.0%	8,552.3	59.2%
June	2,459.1	76.9%	79,879.1	46.0%	98,873.0	96.7%	4,971.5	61.0%	2,548.9	66.1%	31,508.0	33.1%	1,757.9	35.5%	96,867.6	32.6%	8,482.8	61.8%
July	2,459.1	77.2%	79,880.6	39.9%	98,873.0	98.1%	4,973.1	60.3%	2,548.9	70.2%	31,818.6	32.6%	1,757.9	31.4%	98,111.7	30.0%	8,512.2	63.7%
August	2,459.1	77.0%	79,741.2	35.4%	98,873.0	97.8%	4,969.2	60.8%	2,548.9	67.1%	32,054.4	31.2%	1,757.9	32.0%	98,387.3	26.9%	8,512.2	66.3%
Sept	2,459.1	78.2%	79,741.0	28.4%	98,070.2	93.1%	4,959.3	59.4%	2,548.9	69.0%	32,276.1	27.4%	1,757.9	24.3%	98,936.2	33.9%	8,422.9	60.9%
October	2,459.1	69.8%	79,746.4	27.5%	98,070.2	85.0%	4,961.0	59.0%	2,548.9	61.5%	32,511.0	23.5%	1,757.9	23.0%	99,786.0	37.8%	8,415.9	57.2%
November	2,459.1	62.8%	79,746.4	35.7%	98,070.2	90.8%	4,962.4	58.4%	2,548.9	72.6%	32,999.2	17.5%	1,757.9	11.3%	99,952.8	35.4%	8,415.9	59.5%
December	2,459.1	71.1%	79,746.4	37.4%	98,070.2	100.1%	4,958.6	59.7%	2,548.9	68.3%	33,647.2	13.1%	1,757.9	5.4%	100,791.5	35.6%	8,372.9	62.2%
Year 2020																		
January	2,471.7	68.3%	79,851.9	40.9%	98,042.4	101.7%	4,909.5	61.0%	2,548.9	70.2%	35,466.7	16.3%	1,758.1	8.1%	103,575.3	36.7%	8,422.4	62.3%
February	2,557.7	64.2%	79,735.1	45.2%	98,119.0	96.6%	4,845.5	59.8%	2,548.9	70.2%	36,703.3	21.2%	1,758.1	14.5%	104,297.9	40.3%	8,402.9	62.2%

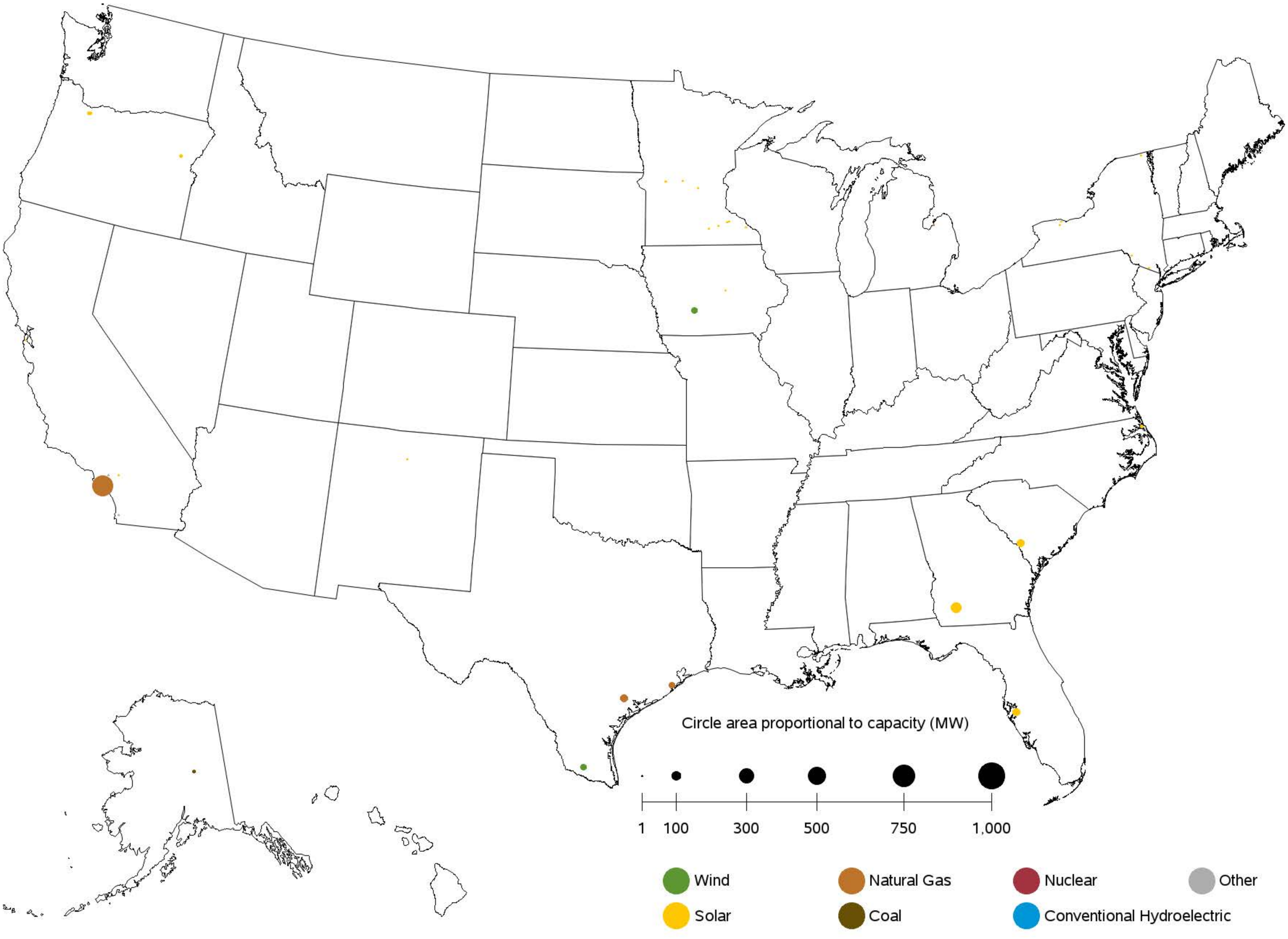
Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary.
Time adjusted capacity for month rows is the summer capacity of generators in operation for the entire month; units that began operation during the month or that retired during the month are excluded. Time adjusted capacity for year rows is a time weighted average of the month rows.
Capacity factors are a comparison of net generation with available capacity. See the technical note for an explanation of how capacity factors are calculated.
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 6.07.C. Usage Factors for Utility Scale Storage Generators

	Battery		Pumped Storage	
Year/Month	Time Adjusted Capacity	Usage Factor	Time Adjusted Capacity	Usage Factor
Annual Data				
2013	126.7	0.7%	22,389.3	9.8%
2014	155.1	1.7%	22,477.9	10.2%
2015	206.8	3.6%	22,568.9	10.2%
2016	423.0	3.8%	22,752.7	11.2%
2017	632.8	6.8%	22,791.7	11.4%
2018	713.6	5.2%	22,815.4	10.8%
2019	952.3	4.0%	22,849.2	10.4%
Year 2018				
January	643.7	5.2%	22,785.2	9.8%
February	663.5	5.1%	22,785.2	9.6%
March	667.1	5.2%	22,785.2	7.9%
April	681.1	5.0%	22,785.2	8.2%
May	690.6	5.2%	22,830.2	11.0%
June	696.1	4.9%	22,830.2	13.2%
July	742.1	5.6%	22,830.2	15.5%
August	740.1	5.6%	22,830.2	16.1%
Sept	746.4	5.6%	22,830.2	12.2%
October	748.9	5.0%	22,830.2	9.4%
November	768.9	5.3%	22,830.2	8.2%
December	770.7	5.1%	22,830.2	7.7%
Year 2019				
January	861.3	3.8%	22,799.2	9.3%
February	873.6	4.2%	22,799.2	9.1%
March	898.4	5.2%	22,799.2	8.3%
April	927.5	4.5%	22,821.2	10.1%
May	943.5	4.5%	22,821.2	11.8%
June	948.5	3.7%	22,878.2	11.6%
July	968.9	3.7%	22,878.2	15.0%
August	977.4	3.5%	22,878.2	13.6%
Sept	996.4	4.5%	22,878.2	12.3%
October	1,004.3	3.4%	22,878.2	8.2%
November	1,008.6	3.7%	22,878.2	7.1%
December	1,013.6	3.5%	22,878.2	7.8%
Year 2020				
January	1,013.4	4.0%	22,880.9	9.0%
February	1,013.7	4.6%	22,880.9	9.1%

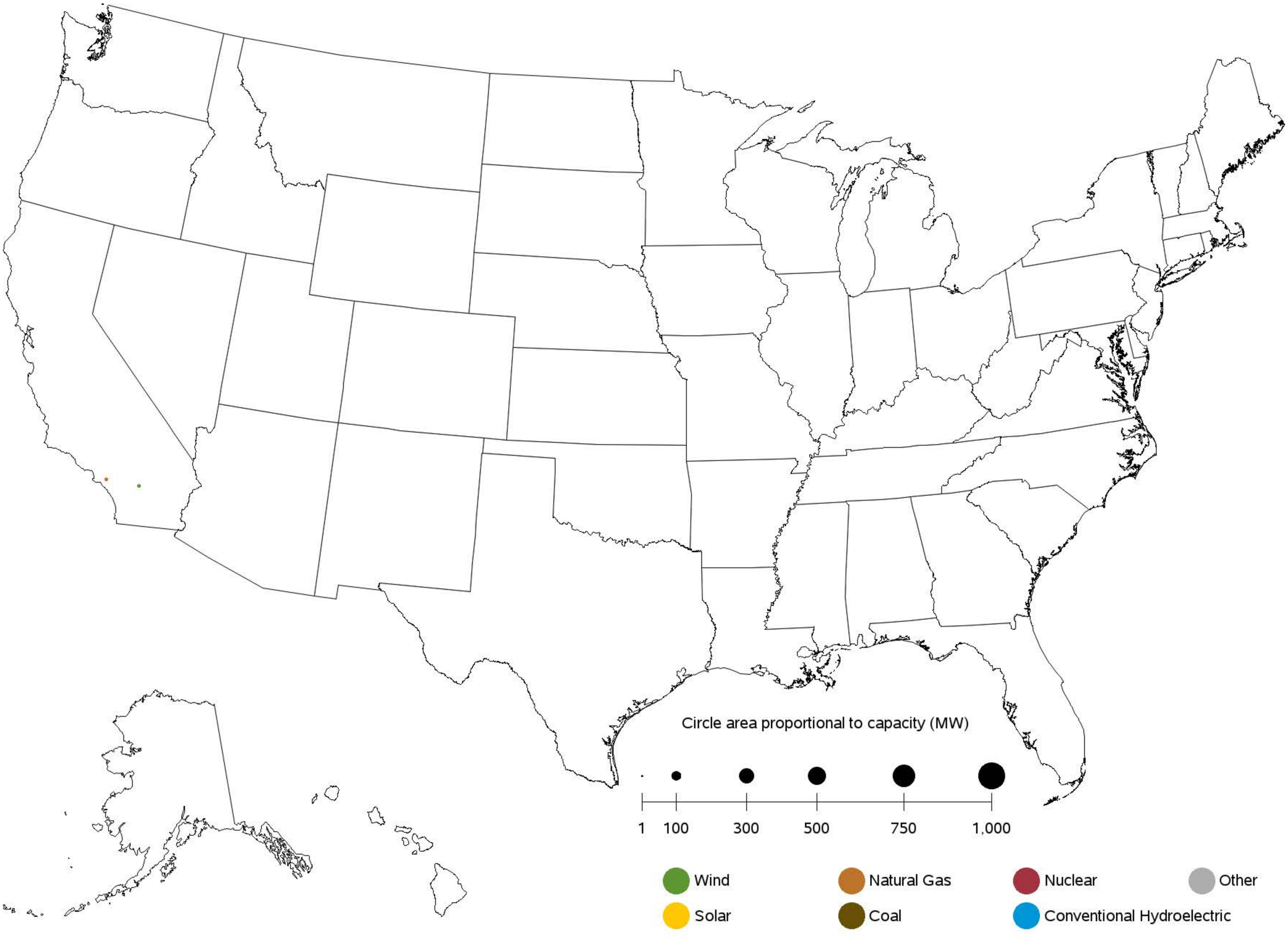
Values for 2018 and prior years are final. Values for 2019 and 2020 are preliminary.
Time adjusted capacity for month rows is the summer capacity of generators in operation for the entire month; units that began operation during the month or that retired during the month are excluded. Time adjusted capacity for year rows is a time weighted average of the month rows.
Usage factors are a comparison of gross generation with available capacity. See the technical note for an explanation of how usage factors are calculated.
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 2020



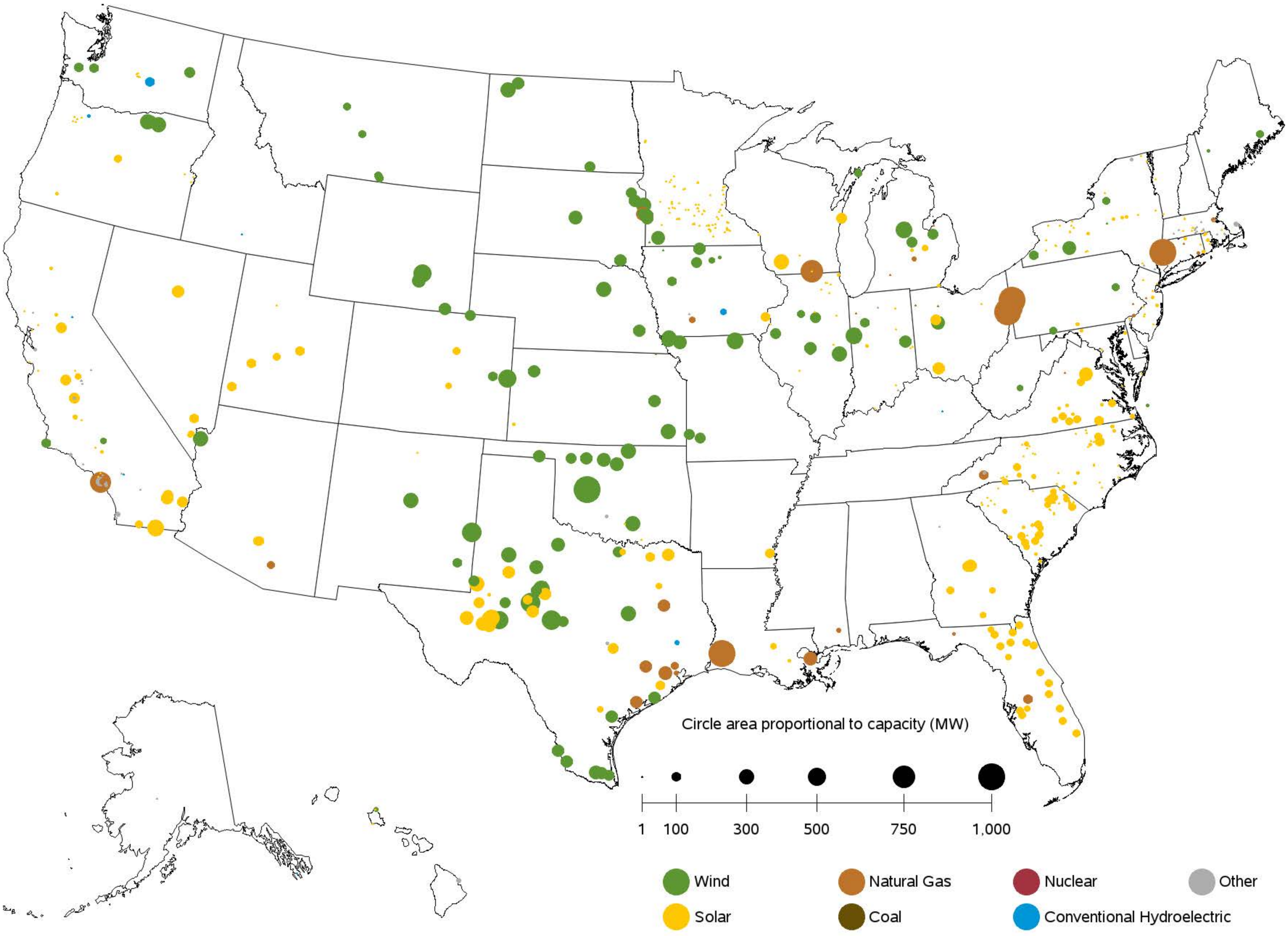
Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.B. Utility-Scale Generating Units Retired in February 2020



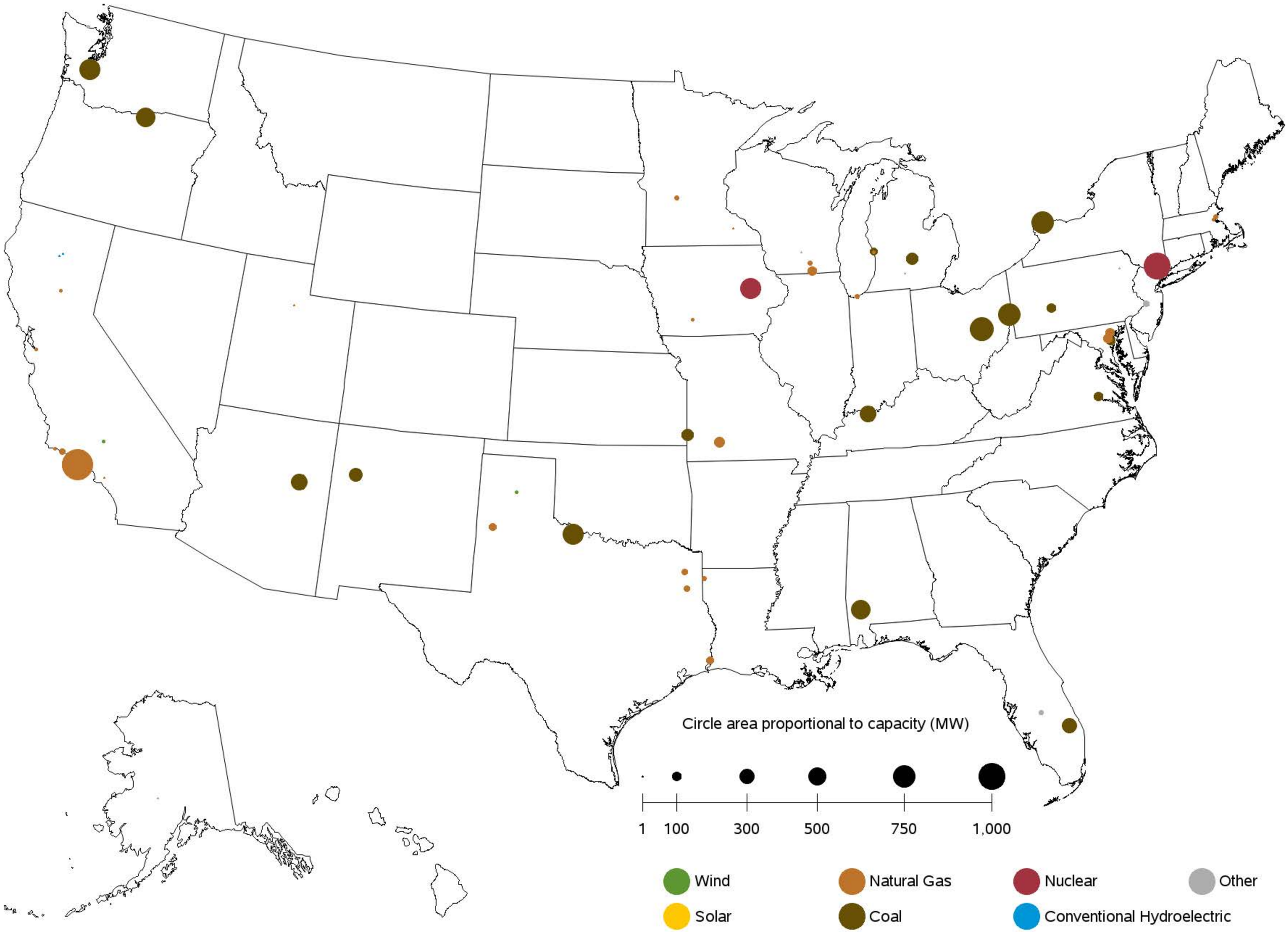
Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.C. Utility-Scale Generating Units Planned to Come Online from March 2020 to February 2021



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 2020 to February 2021



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.'

Chapter 7

Imports and Exports

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	7,542,445	3,531,636	72,716,263	6,214,017	66,502,246
2017	59,909,320	3,312,798	5,775,597	6,058,005	65,684,917	9,370,803	56,314,114
2018	51,494,627	7,290,070	6,765,975	6,514,422	58,260,602	13,804,492	44,456,110
2019	52,309,254	13,532,067	6,743,207	6,475,965	59,052,461	20,008,032	39,044,429
Year 2018							
January	4,738,934	680,100	485,831	459,404	5,224,765	1,139,504	4,085,261
February	4,314,276	926,822	473,386	340,682	4,787,662	1,267,504	3,520,158
March	5,045,055	707,032	553,462	488,339	5,598,517	1,195,371	4,403,146
April	4,067,648	1,134,937	461,095	486,681	4,528,743	1,621,618	2,907,125
May	4,865,120	569,954	374,033	571,444	5,239,153	1,141,398	4,097,755
June	5,002,142	534,488	491,763	680,851	5,493,905	1,215,339	4,278,566
July	4,669,081	176,762	701,543	758,502	5,370,624	935,264	4,435,360
August	5,430,607	272,018	705,309	862,128	6,135,916	1,134,146	5,001,770
Sept	3,648,158	437,073	602,500	623,925	4,250,658	1,060,998	3,189,660
October	3,097,802	455,738	620,775	428,265	3,718,577	884,003	2,834,574
November	3,163,062	878,523	649,802	406,045	3,812,864	1,284,568	2,528,296
December	3,452,742	516,623	646,476	408,156	4,099,218	924,779	3,174,439
Year 2019							
January	4,098,844	942,436	705,708	521,104	4,804,552	1,463,540	3,341,012
February	3,777,272	898,202	774,241	519,458	4,551,513	1,417,660	3,133,853
March	4,200,904	1,961,134	748,858	587,848	4,949,762	2,548,982	2,400,780
April	3,880,049	1,558,941	474,744	409,476	4,354,793	1,968,417	2,386,376
May	4,333,483	1,164,351	389,959	517,695	4,723,442	1,682,046	3,041,396
June	4,731,849	905,149	424,419	620,623	5,156,268	1,525,772	3,630,496
July	5,057,622	1,250,152	584,912	707,229	5,642,534	1,957,381	3,685,153
August	5,266,917	1,036,625	597,828	748,206	5,864,745	1,784,831	4,079,914
Sept	4,741,429	1,095,245	551,397	680,604	5,292,826	1,775,849	3,516,977
October	3,179,364	1,041,990	481,831	422,942	3,661,195	1,464,932	2,196,263
November	4,299,127	875,191	540,154	368,755	4,839,281	1,243,946	3,595,335
December	4,742,394	802,651	469,156	372,025	5,211,550	1,174,676	4,036,874

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

Chapter 8

Puerto Rico

Table 8.1 Puerto Rico- Sales of Electricity to Ultimate Customers: Total by End-Use Sector, 2010 - February 2020 (Thousand Megawatthours)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
2010	6,975	9,041	2,968	0	18,984
2011	6,587	8,832	2,832	0	18,251
2012	6,771	8,879	2,500	0	18,150
2013	6,320	8,969	2,504	0	17,793
2014	6,218	8,761	2,376	0	17,356
2015	6,314	8,586	2,355	0	17,255
2016	6,524	8,569	2,251	0	17,344
2017	5,045	6,820	1,747	0	13,611
2018	6,103	8,203	2,128	0	16,434
Year 2018					
January	389	559	142	0	1,089
February	393	760	175	0	1,328
March	450	531	98	0	1,080
April	466	784	273	0	1,524
May	566	802	165	0	1,533
June	507	592	208	0	1,308
July	578	681	145	0	1,404
August	577	689	209	0	1,475
Sept	527	722	186	0	1,436
October	698	847	191	0	1,736
November	457	593	172	0	1,222
December	494	642	162	0	1,299
Year 2019					
January	447	573	154	0	1,173
February	367	487	146	0	1,000
March	448	650	180	0	1,279
April	465	681	165	0	1,311
May	512	655	189	0	1,355
June	568	692	171	0	1,431
July	618	687	181	0	1,487
August	594	718	175	0	1,487
Sept	586	712	166	0	1,464
October	587	712	196	0	1,495
November	504	677	162	0	1,343
December	509	655	165	0	1,328
Year 2020					
January	475	601	137	0	1,213
February	373	540	120	0	1,033
Year to Date					
2018	782	1,319	317	0	2,418
2019	814	1,059	300	0	2,173
2020	847	1,141	257	0	2,246
Rolling 12 Months Ending in February					
2019	6,135	7,943	2,112	0	16,190
2020	6,239	7,981	2,006	0	16,226

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

Table 8.2 Puerto Rico- Revenue from Sales of Electricity to Ultimate Customers: Total by End-Use Sector, 2010 - February 2020 (Million Dollars)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
2010	1,521	2,103	564	0	4,188
2011	1,748	2,483	663	0	4,894
2012	1,690	2,605	647	0	4,942
2013	1,633	2,474	570	0	4,678
2014	1,636	2,394	551	0	4,581
2015	1,282	1,850	417	0	3,549
2016	1,170	1,677	356	0	3,203
2017	1,123	1,549	344	0	3,016
2018	1,265	1,893	405	0	3,564
Year 2018					
January	86	159	32	0	277
February	76	171	32	0	279
March	110	149	22	0	281
April	84	161	54	0	300
May	104	165	23	0	292
June	108	133	40	0	281
July	122	166	29	0	317
August	114	149	39	0	302
Sept	109	162	34	0	306
October	137	181	36	0	353
November	102	142	34	0	278
December	112	154	31	0	298
Year 2019					
January	85	134	30	0	249
February	80	109	29	0	218
March	98	156	37	0	291
April	106	177	36	0	319
May	127	132	41	0	299
June	116	156	36	0	308
July	122	140	32	0	294
August	132	174	37	0	343
Sept	113	150	31	0	295
October	126	162	39	0	328
November	107	154	33	0	294
December	118	165	37	0	320
Year 2020					
January	122	180	36	0	338
February	99	161	32	0	292
Year to Date					
2018	162	330	64	0	556
2019	165	243	60	0	468
2020	221	341	68	0	630
Rolling 12 Months Ending in February					
2019	1,269	1,806	401	0	3,475
2020	1,386	1,908	428	0	3,721

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

Table 8.3 Puerto Rico- Number of Ultimate Customers Served by Sector: Total by End-Use Sector, 2010 - February 2020

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
2010	1,339,703	133,029	790	0	1,473,522
2011	1,341,708	132,738	750	0	1,475,196
2012	1,349,750	131,264	721	0	1,481,735
2013	1,340,989	131,034	694	0	1,472,717
2014	1,328,546	129,122	662	0	1,458,330
2015	1,326,631	127,365	647	0	1,454,643
2016	1,332,152	127,179	633	0	1,459,964
2017	1,337,756	127,065	618	0	1,465,439
2018	1,346,102	126,527	602	0	1,473,231
Year 2018					
January	1,343,369	126,955	605	0	1,470,929
February	1,342,510	126,695	606	0	1,469,811
March	1,343,914	126,640	607	0	1,471,161
April	1,344,684	126,489	606	0	1,471,779
May	1,344,960	126,396	604	0	1,471,960
June	1,344,798	126,278	604	0	1,471,680
July	1,345,450	126,221	601	0	1,472,272
August	1,346,380	126,283	598	0	1,473,261
Sept	1,347,298	126,375	599	0	1,474,272
October	1,348,855	126,492	597	0	1,475,944
November	1,349,924	126,702	595	0	1,477,221
December	1,351,082	126,800	596	0	1,478,478
Year 2019					
January	1,347,101	126,497	601	0	1,474,199
February	1,348,081	126,423	600	0	1,475,104
March	1,348,854	126,160	602	0	1,475,616
April	1,347,811	125,773	597	0	1,474,181
May	1,346,893	125,615	596	0	1,473,104
June	1,344,899	125,345	595	0	1,470,839
July	1,344,545	125,238	595	0	1,470,378
August	1,343,253	125,095	594	0	1,468,942
Sept	1,342,243	124,954	591	0	1,467,788
October	1,341,718	124,798	590	0	1,467,106
November	1,341,612	124,701	589	0	1,466,902
December	1,341,424	124,911	588	0	1,466,923
Year 2020					
January	1,340,652	124,815	588	0	1,466,055
February	1,340,005	124,751	586	0	1,465,342
Rolling 12 Months Ending in February					
2019	1,346,877	126,466	601	0	1,473,944
2020	1,343,659	125,180	593	0	1,469,431

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

Table 8.4 Puerto Rico- Average Price of Electricity to Ultimate Customers: Total by End-Use Sector, 2010 - February 2020 (Cents per Kilowatthour)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
2010	21.80	23.26	19.01	--	22.06
2011	26.54	28.11	23.39	--	26.82
2012	24.96	29.34	25.89	--	27.23
2013	25.84	27.59	22.77	--	26.29
2014	26.31	27.33	23.18	--	26.39
2015	20.31	21.55	17.71	--	20.57
2016	17.93	19.57	15.83	--	18.47
2017	22.26	22.72	19.70	--	22.16
2018	20.73	23.08	19.04	--	21.68
Year 2018					
January	22.11	28.53	22.32	--	25.43
February	19.32	22.48	18.45	--	21.02
March	24.40	27.97	22.42	--	25.98
April	18.09	20.56	19.86	--	19.68
May	18.38	20.61	13.77	--	19.05
June	21.24	22.46	19.23	--	21.47
July	21.17	24.32	19.78	--	22.56
August	19.81	21.63	18.51	--	20.48
Sept	20.75	22.50	18.18	--	21.30
October	19.59	21.36	18.69	--	20.35
November	22.31	24.00	19.55	--	22.74
December	22.77	24.05	19.33	--	22.97
Year 2019					
January	19.07	23.38	19.78	--	21.26
February	21.85	22.35	20.14	--	21.84
March	21.84	24.03	20.33	--	22.74
April	22.89	25.94	21.91	--	24.35
May	24.71	20.19	21.60	--	22.09
June	20.37	22.61	21.26	--	21.56
July	19.72	20.39	17.90	--	19.80
August	22.22	24.21	21.16	--	23.06
Sept	19.36	21.02	18.93	--	20.12
October	21.50	22.80	19.96	--	21.92
November	21.15	22.74	20.65	--	21.89
December	23.13	25.19	22.62	--	24.09
Year 2020					
January	25.72	29.96	26.04	--	27.86
February	26.63	29.78	26.48	--	28.26
Year to Date					
2018	20.71	25.05	20.18	--	23.01
2019	20.32	22.91	19.95	--	21.53
2020	26.12	29.88	26.24	--	28.04
Rolling 12 Months Ending in February					
2019	20.68	22.73	19.00	--	21.47
2020	22.21	23.90	21.33	--	22.93

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

Table 8.5. Net Summer Capacity (MW) of Existing Utility Scale Units by Technology for Puerto Rico, 2007-February 2020

Period	Coal	Hydroelectric Conventional	Natural Gas	Other	Petroleum	Solar	Wind	Total
Annual Totals								
2007	454	98	1,346	0	3,049	0	0	4,947
2008	454	98	1,346	0	3,480	0	0	5,378
2009	454	98	1,346	0	3,600	0	0	5,498
2010	454	98	1,346	0	3,600	0	0	5,498
2011	454	98	1,346	0	3,600	5	0	5,503
2012	454	98	1,346	0	3,600	23	98	5,619
2013	454	98	1,346	0	3,600	26	98	5,622
2014	454	98	1,346	0	3,600	38	99	5,635
2015	454	98	1,346	9	3,604	70	99	5,680
2016	454	98	1,346	33	3,604	145	99	5,779
2017	454	98	1,346	35	3,604	145	99	5,781
2018	454	98	1,346	35	3,606	145	99	5,783
2019	454	98	1,346	35	3,606	145	99	5,783
Year 2020								
January	454	98	1,346	33	3,606	145	99	5,780
February	454	98	1,346	33	3,606	155	99	5,790

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

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.'

Appendices

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

Total (All Sectors) by Census Division and State, February 2020

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**6**	**27**	**0**	**3**	**0**	**0**	**10**
Connecticut	0	59	0	1	0	0	27
Maine	25	17	0	13	0	0	12
Massachusetts	0	45	0	5	0	0	20
New Hampshire	0	14	0	0	0	0	20
Rhode Island	0	172	0	15	0	0	0
Vermont	0	153	0	0	0	0	18
Middle Atlantic	**5**	**14**	**0**	**1**	**13**	**0**	**3**
New Jersey	0	15	0	3	0	0	0
New York	0	26	0	2	0	0	2
Pennsylvania	5	27	0	1	17	0	11
East North Central	**1**	**19**	**0**	**1**	**5**	**0**	**16**
Illinois	0	9	0	8	0	0	40
Indiana	0	3	0	3	9	0	43
Michigan	4	32	0	2	0	0	30
Ohio	0	7	0	1	15	0	41
Wisconsin	0	141	0	2	0	0	24
West North Central	**1**	**27**	**0**	**4**	**0**	**0**	**11**
Iowa	0	99	0	4	0	0	39
Kansas	0	2	0	11	0	0	0
Minnesota	6	137	0	7	0	0	36
Missouri	0	6	0	9	0	0	21
Nebraska	4	348	0	35	0	0	32
North Dakota	0	57	0	27	0	0	20
South Dakota	0	407	0	29	0	0	15
South Atlantic	**1**	**6**	**13**	**0**	**0**	**0**	**6**
Delaware	0	91	0	0	0	0	0
District of Columbia	0	0	0	0	0	0	0
Florida	0	7	0	1	0	0	45
Georgia	1	31	152	1	0	0	10
Maryland	0	32	0	1	0	0	2
North Carolina	0	18	0	1	0	0	8
South Carolina	0	8	0	1	0	0	14
Virginia	0	23	0	1	0	0	16
West Virginia	1	0	0	7	0	0	16
East South Central	**0**	**3**	**0**	**1**	**128**	**0**	**5**
Alabama	0	280	0	2	367	0	6
Kentucky	0	1	0	4	0	0	11
Mississippi	0	2	0	1	0	0	0
Tennessee	0	1	0	3	0	0	7
West South Central	**0**	**3**	**7**	**1**	**7**	**0**	**9**
Arkansas	0	0	0	6	0	0	12
Louisiana	0	54	0	2	13	0	19
Oklahoma	0	51	0	1	0	0	15
Texas	0	5	101	1	5	0	20
Mountain	**1**	**26**	**0**	**1**	**4**	**0**	**7**
Arizona	0	15	0	1	0	0	7
Colorado	0	533	0	2	0	0	27
Idaho	155	0	0	11	0	0	12
Montana	6	1,285	0	36	0	0	11
Nevada	0	0	0	1	0	0	5
New Mexico	0	52	0	4	0	0	100
Utah	0	4	0	3	0	0	39
Wyoming	4	2	0	6	4	0	39
Pacific Contiguous	**0**	**45**	**0**	**1**	**3**	**0**	**2**
California	0	67	0	1	3	0	7
Oregon	0	0	0	4	0	0	4
Washington	0	49	0	6	0	0	1
Pacific Noncontiguous	**12**	**2**	**0**	**19**	**0**	**0**	**29**
Alaska	26	9	0	19	0	0	29
Hawaii	0	1	0	0	0	0	63
U.S. Total	**0**	**2**	**6**	**0**	**4**	**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 2020 (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**	**7**	**3**	**0**	**1**	**2**
Connecticut	0	0	0	20	9	0	0	1
Maine	0	0	0	69	4	0	0	5
Massachusetts	0	0	0	8	5	0	2	4
New Hampshire	0	0	0	0	10	0	0	2
Rhode Island	0	0	0	33	10	0	0	14
Vermont	0	0	0	22	8	0	0	11
Middle Atlantic	**0**	**0**	**0**	**7**	**2**	**0**	**1**	**1**
New Jersey	0	0	0	8	5	0	0	1
New York	0	0	0	11	3	0	1	1
Pennsylvania	0	0	0	28	3	0	0	1
East North Central	**0**	**0**	**0**	**8**	**1**	**0**	**3**	**0**
Illinois	0	0	0	24	2	0	0	1
Indiana	0	0	0	15	2	0	0	1
Michigan	0	0	0	22	3	0	18	1
Ohio	0	0	0	10	2	0	0	1
Wisconsin	0	0	0	36	4	0	31	1
West North Central	**0**	**0**	**0**	**7**	**1**	**0**	**6**	**1**
Iowa	0	0	0	69	1	0	0	1
Kansas	0	0	0	70	2	0	0	1
Minnesota	0	0	0	7	2	0	4	2
Missouri	0	0	0	26	3	0	0	1
Nebraska	0	0	0	44	2	0	0	3
North Dakota	0	0	0	0	2	0	40	2
South Dakota	0	0	0	181	3	0	0	7
South Atlantic	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0**
Delaware	0	0	0	37	24	0	0	1
District of Columbia	0	0	0	92	14	0	0	7
Florida	0	0	0	1	2	0	1	1
Georgia	0	0	0	3	3	0	0	1
Maryland	0	0	0	10	7	0	0	1
North Carolina	0	0	0	3	2	0	0	1
South Carolina	0	0	0	6	3	0	0	1
Virginia	0	0	0	6	4	0	0	1
West Virginia	0	0	0	0	5	0	0	1
East South Central	**0**	**0**	**0**	**6**	**3**	**0**	**6**	**1**
Alabama	0	0	0	11	4	0	0	1
Kentucky	0	0	0	34	17	0	0	1
Mississippi	0	0	0	4	4	0	0	1
Tennessee	0	0	0	14	6	0	85	1
West South Central	**0**	**0**	**0**	**2**	**1**	**0**	**3**	**1**
Arkansas	0	0	0	4	7	0	0	2
Louisiana	0	0	0	212	7	0	0	1
Oklahoma	0	0	0	36	2	0	0	1
Texas	0	0	0	2	1	0	6	1
Mountain	**0**	**20**	**0**	**2**	**2**	**0**	**3**	**1**
Arizona	0	0	0	2	3	0	0	1
Colorado	0	0	0	7	3	0	0	1
Idaho	0	133	0	8	5	0	0	7
Montana	0	0	0	42	5	0	0	6
Nevada	0	21	0	2	9	0	0	3
New Mexico	0	0	0	7	3	0	0	2
Utah	0	67	0	4	9	0	14	2
Wyoming	0	0	0	0	4	0	0	3
Pacific Contiguous	**0**	**10**	**0**	**1**	**2**	**0**	**2**	**1**
California	0	10	0	1	2	0	2	1
Oregon	0	104	0	9	2	0	0	3
Washington	0	0	0	55	3	0	0	1
Pacific Noncontiguous	**0**	**53**	**0**	**9**	**10**	**0**	**0**	**5**
Alaska	0	0	0	0	16	0	0	12
Hawaii	0	53	0	9	12	0	0	2
U.S. Total	**0**	**12**	**0**	**1**	**1**	**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.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 2020

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**6**	**27**	**0**	**3**	**0**	**0**	**10**
Connecticut	0	59	0	1	0	0	27
Maine	25	17	0	13	0	0	12
Massachusetts	0	45	0	5	0	0	20
New Hampshire	0	14	0	0	0	0	20
Rhode Island	0	172	0	15	0	0	0
Vermont	0	153	0	0	0	0	18
Middle Atlantic	**5**	**14**	**0**	**1**	**13**	**0**	**3**
New Jersey	0	15	0	3	0	0	0
New York	0	26	0	2	0	0	2
Pennsylvania	5	27	0	1	17	0	11
East North Central	**1**	**19**	**0**	**1**	**5**	**0**	**16**
Illinois	0	9	0	8	0	0	40
Indiana	0	3	0	3	9	0	43
Michigan	4	32	0	2	0	0	30
Ohio	0	7	0	1	15	0	41
Wisconsin	0	141	0	2	0	0	24
West North Central	**1**	**27**	**0**	**4**	**0**	**0**	**11**
Iowa	0	99	0	4	0	0	39
Kansas	0	2	0	11	0	0	0
Minnesota	6	137	0	7	0	0	36
Missouri	0	6	0	9	0	0	21
Nebraska	4	348	0	35	0	0	32
North Dakota	0	57	0	27	0	0	20
South Dakota	0	407	0	29	0	0	15
South Atlantic	**1**	**6**	**13**	**0**	**0**	**0**	**6**
Delaware	0	91	0	0	0	0	0
District of Columbia	0	0	0	0	0	0	0
Florida	0	7	0	1	0	0	45
Georgia	1	31	152	1	0	0	10
Maryland	0	32	0	1	0	0	2
North Carolina	0	18	0	1	0	0	8
South Carolina	0	8	0	1	0	0	14
Virginia	0	23	0	1	0	0	16
West Virginia	1	0	0	7	0	0	16
East South Central	**0**	**3**	**0**	**1**	**128**	**0**	**5**
Alabama	0	280	0	2	367	0	6
Kentucky	0	1	0	4	0	0	11
Mississippi	0	2	0	1	0	0	0
Tennessee	0	1	0	3	0	0	7
West South Central	**0**	**3**	**7**	**1**	**7**	**0**	**9**
Arkansas	0	0	0	6	0	0	12
Louisiana	0	54	0	2	13	0	19
Oklahoma	0	51	0	1	0	0	15
Texas	0	5	101	1	5	0	20
Mountain	**1**	**26**	**0**	**1**	**4**	**0**	**7**
Arizona	0	15	0	1	0	0	7
Colorado	0	533	0	2	0	0	27
Idaho	155	0	0	11	0	0	12
Montana	6	1,285	0	36	0	0	11
Nevada	0	0	0	1	0	0	5
New Mexico	0	52	0	4	0	0	100
Utah	0	4	0	3	0	0	39
Wyoming	4	2	0	6	4	0	39
Pacific Contiguous	**0**	**45**	**0**	**1**	**3**	**0**	**2**
California	0	67	0	1	3	0	7
Oregon	0	0	0	4	0	0	4
Washington	0	49	0	6	0	0	1
Pacific Noncontiguous	**12**	**2**	**0**	**19**	**0**	**0**	**29**
Alaska	26	9	0	19	0	0	29
Hawaii	0	1	0	0	0	0	63
U.S. Total	**0**	**2**	**6**	**0**	**4**	**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 2020 (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**	**7**	**3**	**0**	**1**	**2**
Connecticut	0	0	0	20	9	0	0	1
Maine	0	0	0	69	4	0	0	5
Massachusetts	0	0	0	8	5	0	2	4
New Hampshire	0	0	0	0	10	0	0	2
Rhode Island	0	0	0	33	10	0	0	14
Vermont	0	0	0	22	8	0	0	11
Middle Atlantic	**0**	**0**	**0**	**7**	**2**	**0**	**1**	**1**
New Jersey	0	0	0	8	5	0	0	1
New York	0	0	0	11	3	0	1	1
Pennsylvania	0	0	0	28	3	0	0	1
East North Central	**0**	**0**	**0**	**8**	**1**	**0**	**3**	**0**
Illinois	0	0	0	24	2	0	0	1
Indiana	0	0	0	15	2	0	0	1
Michigan	0	0	0	22	3	0	18	1
Ohio	0	0	0	10	2	0	0	1
Wisconsin	0	0	0	36	4	0	31	1
West North Central	**0**	**0**	**0**	**7**	**1**	**0**	**6**	**1**
Iowa	0	0	0	69	1	0	0	1
Kansas	0	0	0	70	2	0	0	1
Minnesota	0	0	0	7	2	0	4	2
Missouri	0	0	0	26	3	0	0	1
Nebraska	0	0	0	44	2	0	0	3
North Dakota	0	0	0	0	2	0	40	2
South Dakota	0	0	0	181	3	0	0	7
South Atlantic	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0**
Delaware	0	0	0	37	24	0	0	1
District of Columbia	0	0	0	92	14	0	0	7
Florida	0	0	0	1	2	0	1	1
Georgia	0	0	0	3	3	0	0	1
Maryland	0	0	0	10	7	0	0	1
North Carolina	0	0	0	3	2	0	0	1
South Carolina	0	0	0	6	3	0	0	1
Virginia	0	0	0	6	4	0	0	1
West Virginia	0	0	0	0	5	0	0	1
East South Central	**0**	**0**	**0**	**6**	**3**	**0**	**6**	**1**
Alabama	0	0	0	11	4	0	0	1
Kentucky	0	0	0	34	17	0	0	1
Mississippi	0	0	0	4	4	0	0	1
Tennessee	0	0	0	14	6	0	85	1
West South Central	**0**	**0**	**0**	**2**	**1**	**0**	**3**	**1**
Arkansas	0	0	0	4	7	0	0	2
Louisiana	0	0	0	212	7	0	0	1
Oklahoma	0	0	0	36	2	0	0	1
Texas	0	0	0	2	1	0	6	1
Mountain	**0**	**20**	**0**	**2**	**2**	**0**	**3**	**1**
Arizona	0	0	0	2	3	0	0	1
Colorado	0	0	0	7	3	0	0	1
Idaho	0	133	0	8	5	0	0	7
Montana	0	0	0	42	5	0	0	6
Nevada	0	21	0	2	9	0	0	3
New Mexico	0	0	0	7	3	0	0	2
Utah	0	67	0	4	9	0	14	2
Wyoming	0	0	0	0	4	0	0	3
Pacific Contiguous	**0**	**10**	**0**	**1**	**2**	**0**	**2**	**1**
California	0	10	0	1	2	0	2	1
Oregon	0	104	0	9	2	0	0	3
Washington	0	0	0	55	3	0	0	1
Pacific Noncontiguous	**0**	**53**	**0**	**9**	**10**	**0**	**0**	**5**
Alaska	0	0	0	0	16	0	0	12
Hawaii	0	53	0	9	12	0	0	2
U.S. Total	**0**	**12**	**0**	**1**	**1**	**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.1.C. Relative Standard Error (Percent) for Small Scale Solar Generation and Capacity by Sector, Census Division and State, February 2020

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**1**	**.**	**0**
Connecticut	0	0	0	.	0
Maine	1	1	0	.	1
Massachusetts	0	0	1	.	0
New Hampshire	0	0	0	.	0
Rhode Island	0	0	0	.	0
Vermont	2	8	37	.	3
Middle Atlantic	**0**	**0**	**2**	**.**	**0**
New Jersey	0	1	2	.	0
New York	0	0	1	.	0
Pennsylvania	1	3	1	.	1
East North Central	**5**	**3**	**8**	**.**	**3**
Illinois	7	5	0	.	5
Indiana	14	3	0	.	7
Michigan	9	17	101	.	8
Ohio	12	3	9	.	5
Wisconsin	23	15	13	.	13
West North Central	**1**	**1**	**2**	**.**	**1**
Iowa	2	2	10	.	2
Kansas	4	6	0	.	3
Minnesota	2	5	1	.	2
Missouri	1	1	2	.	1
Nebraska	6	27	10	.	7
North Dakota	0	0	0	.	0
South Dakota	0	0	0	.	0
South Atlantic	**2**	**1**	**1**	**.**	**1**
Delaware	7	3	16	.	5
District of Columbia	0	0	0	.	0
Florida	4	5	1	.	3
Georgia	186	36	0	.	108
Maryland	1	1	2	.	1
North Carolina	7	3	0	.	5
South Carolina	5	5	0	.	4
Virginia	10	4	4	.	7
West Virginia	0	0	0	.	0
East South Central	**9**	**5**	**0**	**.**	**7**
Alabama	0	0	0	.	0
Kentucky	11	6	0	.	8
Mississippi	22	13	0	.	14
Tennessee	0	0	0	.	0
West South Central	**3**	**5**	**5**	**.**	**3**
Arkansas	17	17	0	.	11
Louisiana	4	10	0	.	4
Oklahoma	22	19	0	.	17
Texas	4	7	0	.	4
Mountain	**0**	**0**	**1**	**.**	**0**
Arizona	0	0	0	.	0
Colorado	2	1	22	.	2
Idaho	2	2	0	.	2
Montana	9	2	0	.	7
Nevada	0	0	0	.	0
New Mexico	3	1	37	.	2
Utah	1	1	0	.	1
Wyoming	14	10	0	.	11
Pacific Contiguous	**0**	**0**	**0**	**.**	**0**
California	0	0	0	.	0
Oregon	1	1	5	.	1
Washington	2	3	23	.	1
Pacific Noncontiguous	**0**	**0**	**0**	**.**	**0**
Alaska	2	3	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 2020

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**59**	**0**	**198**	**0**	**0**	**20**
Connecticut	0	52	0	0	0	0	33
Massachusetts	0	168	0	317	0	0	40
New Hampshire	0	9	0	0	0	0	35
Rhode Island	0	0	0	0	0	0	0
Vermont	0	153	0	0	0	0	31
Middle Atlantic	**0**	**37**	**0**	**6**	**0**	**0**	**1**
New Jersey	0	0	0	191	0	0	0
New York	0	37	0	6	0	0	1
Pennsylvania	0	0	0	0	0	0	0
East North Central	**1**	**32**	**0**	**2**	**0**	**0**	**18**
Illinois	0	54	0	0	0	0	60
Indiana	0	3	0	7	0	0	43
Michigan	4	33	0	5	0	0	32
Ohio	4	31	0	5	0	0	44
Wisconsin	0	212	0	2	0	0	26
West North Central	**1**	**27**	**0**	**5**	**0**	**0**	**11**
Iowa	0	107	0	4	0	0	39
Kansas	0	2	0	13	0	0	0
Minnesota	6	149	0	7	0	0	44
Missouri	0	6	0	16	0	0	21
Nebraska	4	348	0	36	0	0	32
North Dakota	0	57	0	27	0	0	20
South Dakota	0	408	0	29	0	0	15
South Atlantic	**0**	**6**	**0**	**1**	**0**	**0**	**7**
Delaware	0	0	0	0	0	0	0
Florida	0	3	0	1	0	0	45
Georgia	0	8	0	2	0	0	10
Maryland	0	26	0	0	0	0	0
North Carolina	0	19	0	1	0	0	8
South Carolina	0	9	0	0	0	0	13
Virginia	0	48	0	2	0	0	16
West Virginia	0	0	0	0	0	0	26
East South Central	**0**	**1**	**0**	**1**	**0**	**0**	**5**
Alabama	0	0	0	6	0	0	6
Kentucky	0	1	0	4	0	0	11
Mississippi	0	2	0	1	0	0	0
Tennessee	0	1	0	3	0	0	7
West South Central	**0**	**4**	**0**	**2**	**0**	**0**	**10**
Arkansas	0	0	0	6	0	0	12
Louisiana	0	54	0	3	0	0	0
Oklahoma	0	63	0	2	0	0	15
Texas	0	10	0	4	0	0	20
Mountain	**1**	**26**	**0**	**1**	**0**	**0**	**7**
Arizona	0	15	0	1	0	0	7
Colorado	0	539	0	1	0	0	28
Idaho	0	0	0	8	0	0	12
Montana	0	1,602	0	41	0	0	11
Nevada	0	0	0	1	0	0	0
New Mexico	0	52	0	5	0	0	100
Utah	0	4	0	3	0	0	40
Wyoming	4	2	0	12	0	0	39
Pacific Contiguous	**0**	**65**	**0**	**2**	**0**	**0**	**2**
California	0	82	0	2	0	0	6
Oregon	0	0	0	6	0	0	4
Washington	0	107	0	7	0	0	1
Pacific Noncontiguous	**36**	**2**	**0**	**19**	**0**	**0**	**31**
Alaska	36	10	0	19	0	0	31
Hawaii	0	2	0	0	0	0	0
U.S. Total	**0**	**3**	**0**	**1**	**0**	**0**	**2**

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

Electric Utilities by Census Division and State, February 2020 (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**	**24**	**7**	**0**	**0**	**11**
Connecticut	0	0	0	0	0	0	0	22
Massachusetts	0	0	0	32	22	0	0	30
New Hampshire	0	0	0	0	0	0	0	18
Rhode Island	0	0	0	0	0	0	0	0
Vermont	0	0	0	38	7	0	0	14
Middle Atlantic	**0**	**0**	**0**	**30**	**30**	**0**	**0**	**2**
New Jersey	0	0	0	30	30	0	0	45
New York	0	0	0	0	0	0	0	2
Pennsylvania	0	0	0	0	0	0	0	0
East North Central	**0**	**0**	**0**	**16**	**4**	**0**	**35**	**1**
Illinois	0	0	0	47	20	0	0	1
Indiana	0	0	0	22	13	0	0	2
Michigan	0	0	0	19	4	0	0	2
Ohio	0	0	0	110	55	0	0	4
Wisconsin	0	0	0	0	8	0	37	1
West North Central	**0**	**0**	**0**	**58**	**1**	**0**	**15**	**1**
Iowa	0	0	0	104	1	0	0	1
Kansas	0	0	0	181	8	0	0	1
Minnesota	0	0	0	164	4	0	0	2
Missouri	0	0	0	0	45	0	0	1
Nebraska	0	0	0	124	18	0	0	4
North Dakota	0	0	0	0	3	0	40	2
South Dakota	0	0	0	0	8	0	0	10
South Atlantic	**0**	**0**	**0**	**1**	**2**	**0**	**0**	**0**
Delaware	0	0	0	102	102	0	0	67
Florida	0	0	0	0	0	0	0	1
Georgia	0	0	0	11	11	0	0	1
Maryland	0	0	0	91	91	0	0	0
North Carolina	0	0	0	8	8	0	0	1
South Carolina	0	0	0	112	7	0	0	1
Virginia	0	0	0	10	10	0	0	1
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**29**	**20**	**0**	**0**	**1**
Alabama	0	0	0	45	45	0	0	1
Kentucky	0	0	0	35	23	0	0	1
Mississippi	0	0	0	0	0	0	0	1
Tennessee	0	0	0	192	192	0	0	1
West South Central	**0**	**0**	**0**	**32**	**9**	**0**	**0**	**1**
Arkansas	0	0	0	208	208	0	0	2
Louisiana	0	0	0	212	212	0	0	2
Oklahoma	0	0	0	36	9	0	0	2
Texas	0	0	0	71	29	0	0	3
Mountain	**0**	**83**	**0**	**7**	**4**	**0**	**26**	**1**
Arizona	0	0	0	8	8	0	0	1
Colorado	0	0	0	102	4	0	0	1
Idaho	0	0	0	0	18	0	0	10
Montana	0	0	0	0	15	0	0	11
Nevada	0	0	0	0	0	0	0	1
New Mexico	0	0	0	15	15	0	0	2
Utah	0	83	0	0	83	0	43	2
Wyoming	0	0	0	0	5	0	0	4
Pacific Contiguous	**0**	**0**	**0**	**11**	**2**	**0**	**0**	**1**
California	0	0	0	11	5	0	0	2
Oregon	0	0	0	101	3	0	0	3
Washington	0	0	0	0	3	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**26**	**16**	**0**	**0**	**7**
Alaska	0	0	0	0	23	0	0	13
Hawaii	0	0	0	26	20	0	0	2
U.S. Total	**0**	**18**	**0**	**2**	**1**	**0**	**6**	**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 2020

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**59**	**0**	**198**	**0**	**0**	**20**
Connecticut	0	52	0	0	0	0	33
Massachusetts	0	168	0	317	0	0	40
New Hampshire	0	9	0	0	0	0	35
Rhode Island	0	0	0	0	0	0	0
Vermont	0	153	0	0	0	0	31
Middle Atlantic	**0**	**37**	**0**	**6**	**0**	**0**	**1**
New Jersey	0	0	0	191	0	0	0
New York	0	37	0	6	0	0	1
Pennsylvania	0	0	0	0	0	0	0
East North Central	**1**	**32**	**0**	**2**	**0**	**0**	**18**
Illinois	0	54	0	0	0	0	60
Indiana	0	3	0	7	0	0	43
Michigan	4	33	0	5	0	0	32
Ohio	4	31	0	5	0	0	44
Wisconsin	0	212	0	2	0	0	26
West North Central	**1**	**27**	**0**	**5**	**0**	**0**	**11**
Iowa	0	107	0	4	0	0	39
Kansas	0	2	0	13	0	0	0
Minnesota	6	149	0	7	0	0	44
Missouri	0	6	0	16	0	0	21
Nebraska	4	348	0	36	0	0	32
North Dakota	0	57	0	27	0	0	20
South Dakota	0	408	0	29	0	0	15
South Atlantic	**0**	**6**	**0**	**1**	**0**	**0**	**7**
Delaware	0	0	0	0	0	0	0
Florida	0	3	0	1	0	0	45
Georgia	0	8	0	2	0	0	10
Maryland	0	26	0	0	0	0	0
North Carolina	0	19	0	1	0	0	8
South Carolina	0	9	0	0	0	0	13
Virginia	0	48	0	2	0	0	16
West Virginia	0	0	0	0	0	0	26
East South Central	**0**	**1**	**0**	**1**	**0**	**0**	**5**
Alabama	0	0	0	6	0	0	6
Kentucky	0	1	0	4	0	0	11
Mississippi	0	2	0	1	0	0	0
Tennessee	0	1	0	3	0	0	7
West South Central	**0**	**4**	**0**	**2**	**0**	**0**	**10**
Arkansas	0	0	0	6	0	0	12
Louisiana	0	54	0	3	0	0	0
Oklahoma	0	63	0	2	0	0	15
Texas	0	10	0	4	0	0	20
Mountain	**1**	**26**	**0**	**1**	**0**	**0**	**7**
Arizona	0	15	0	1	0	0	7
Colorado	0	539	0	1	0	0	28
Idaho	0	0	0	8	0	0	12
Montana	0	1,602	0	41	0	0	11
Nevada	0	0	0	1	0	0	0
New Mexico	0	52	0	5	0	0	100
Utah	0	4	0	3	0	0	40
Wyoming	4	2	0	12	0	0	39
Pacific Contiguous	**0**	**65**	**0**	**2**	**0**	**0**	**2**
California	0	82	0	2	0	0	6
Oregon	0	0	0	6	0	0	4
Washington	0	107	0	7	0	0	1
Pacific Noncontiguous	**36**	**2**	**0**	**19**	**0**	**0**	**31**
Alaska	36	10	0	19	0	0	31
Hawaii	0	2	0	0	0	0	0
U.S. Total	**0**	**3**	**0**	**1**	**0**	**0**	**2**

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

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

Electric Utilities by Census Division and State, Year-to-Date through February 2020 (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**	**24**	**7**	**0**	**0**	**11**
Connecticut	0	0	0	0	0	0	0	22
Massachusetts	0	0	0	32	22	0	0	30
New Hampshire	0	0	0	0	0	0	0	18
Rhode Island	0	0	0	0	0	0	0	0
Vermont	0	0	0	38	7	0	0	14
Middle Atlantic	**0**	**0**	**0**	**30**	**30**	**0**	**0**	**2**
New Jersey	0	0	0	30	30	0	0	45
New York	0	0	0	0	0	0	0	2
Pennsylvania	0	0	0	0	0	0	0	0
East North Central	**0**	**0**	**0**	**16**	**4**	**0**	**35**	**1**
Illinois	0	0	0	47	20	0	0	1
Indiana	0	0	0	22	13	0	0	2
Michigan	0	0	0	19	4	0	0	2
Ohio	0	0	0	110	55	0	0	4
Wisconsin	0	0	0	0	8	0	37	1
West North Central	**0**	**0**	**0**	**58**	**1**	**0**	**15**	**1**
Iowa	0	0	0	104	1	0	0	1
Kansas	0	0	0	181	8	0	0	1
Minnesota	0	0	0	164	4	0	0	2
Missouri	0	0	0	0	45	0	0	1
Nebraska	0	0	0	124	18	0	0	4
North Dakota	0	0	0	0	3	0	40	2
South Dakota	0	0	0	0	8	0	0	10
South Atlantic	**0**	**0**	**0**	**1**	**2**	**0**	**0**	**0**
Delaware	0	0	0	102	102	0	0	67
Florida	0	0	0	0	0	0	0	1
Georgia	0	0	0	11	11	0	0	1
Maryland	0	0	0	91	91	0	0	0
North Carolina	0	0	0	8	8	0	0	1
South Carolina	0	0	0	112	7	0	0	1
Virginia	0	0	0	10	10	0	0	1
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**29**	**20**	**0**	**0**	**1**
Alabama	0	0	0	45	45	0	0	1
Kentucky	0	0	0	35	23	0	0	1
Mississippi	0	0	0	0	0	0	0	1
Tennessee	0	0	0	192	192	0	0	1
West South Central	**0**	**0**	**0**	**32**	**9**	**0**	**0**	**1**
Arkansas	0	0	0	208	208	0	0	2
Louisiana	0	0	0	212	212	0	0	2
Oklahoma	0	0	0	36	9	0	0	2
Texas	0	0	0	71	29	0	0	3
Mountain	**0**	**83**	**0**	**7**	**4**	**0**	**26**	**1**
Arizona	0	0	0	8	8	0	0	1
Colorado	0	0	0	102	4	0	0	1
Idaho	0	0	0	0	18	0	0	10
Montana	0	0	0	0	15	0	0	11
Nevada	0	0	0	0	0	0	0	1
New Mexico	0	0	0	15	15	0	0	2
Utah	0	83	0	0	83	0	43	2
Wyoming	0	0	0	0	5	0	0	4
Pacific Contiguous	**0**	**0**	**0**	**11**	**2**	**0**	**0**	**1**
California	0	0	0	11	5	0	0	2
Oregon	0	0	0	101	3	0	0	3
Washington	0	0	0	0	3	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**26**	**16**	**0**	**0**	**7**
Alaska	0	0	0	0	23	0	0	13
Hawaii	0	0	0	26	20	0	0	2
U.S. Total	**0**	**18**	**0**	**2**	**1**	**0**	**6**	**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 2020

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**37**	**0**	**3**	**0**	**0**	**10**
Connecticut	0	62	0	0	0	0	29
Maine	0	6	0	10	0	0	12
Massachusetts	0	50	0	5	0	0	23
New Hampshire	0	2,273	0	0	0	0	23
Rhode Island	0	225	0	15	0	0	0
Vermont	0	0	0	0	0	0	22
Middle Atlantic	**5**	**15**	**0**	**1**	**0**	**0**	**9**
New Jersey	0	15	0	3	0	0	0
New York	0	38	0	3	0	0	10
Pennsylvania	5	28	0	1	0	0	11
East North Central	**0**	**5**	**0**	**2**	**5**	**0**	**52**
Illinois	0	5	0	10	0	0	54
Indiana	0	0	0	1	0	0	0
Michigan	0	0	0	1	0	0	111
Ohio	0	7	0	1	17	0	105
Wisconsin	0	0	0	0	0	0	103
West North Central	**0**	**329**	**0**	**7**	**0**	**0**	**64**
Iowa	0	78	0	0	0	0	0
Kansas	0	0	0	0	0	0	0
Minnesota	0	671	0	22	0	0	77
Missouri	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0
South Atlantic	**6**	**35**	**0**	**1**	**0**	**0**	**6**
Delaware	0	94	0	0	0	0	0
Florida	0	108	0	5	0	0	0
Georgia	0	152	0	1	0	0	133
Maryland	0	36	0	2	0	0	2
North Carolina	0	82	0	4	0	0	67
South Carolina	0	0	0	36	0	0	60
Virginia	0	27	0	1	0	0	83
West Virginia	7	0	0	18	0	0	29
East South Central	**0**	**99**	**0**	**0**	**0**	**0**	**204**
Alabama	0	155	0	0	0	0	0
Kentucky	0	0	0	0	0	0	204
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0
West South Central	**0**	**3**	**0**	**1**	**0**	**0**	**19**
Arkansas	0	0	0	0	0	0	63
Louisiana	0	0	0	0	0	0	19
Oklahoma	0	0	0	0	0	0	0
Texas	0	3	0	1	0	0	0
Mountain	**5**	**126**	**0**	**3**	**0**	**0**	**33**
Arizona	0	0	0	0	0	0	0
Colorado	0	0	0	10	0	0	82
Idaho	0	0	0	24	0	0	41
Montana	6	508	0	36	0	0	103
Nevada	0	0	0	0	0	0	126
New Mexico	0	0	0	7	0	0	0
Utah	0	0	0	0	0	0	0
Wyoming	0	0	0	0	0	0	0
Pacific Contiguous	**0**	**21**	**0**	**1**	**0**	**0**	**30**
California	0	0	0	2	0	0	39
Oregon	0	0	0	1	0	0	77
Washington	0	32	0	11	0	0	59
Pacific Noncontiguous	**7**	**0**	**0**	**0**	**0**	**0**	**0**
Alaska	50	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**1**	**5**	**0**	**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 2020 (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**	**7**	**3**	**0**	**1**	**2**
Connecticut	0	0	0	20	9	0	0	0
Maine	0	0	0	69	4	0	0	6
Massachusetts	0	0	0	9	5	0	2	4
New Hampshire	0	0	0	0	11	0	0	2
Rhode Island	0	0	0	33	10	0	0	14
Vermont	0	0	0	27	15	0	0	15
Middle Atlantic	**0**	**0**	**0**	**7**	**2**	**0**	**0**	**1**
New Jersey	0	0	0	9	6	0	0	1
New York	0	0	0	11	3	0	0	1
Pennsylvania	0	0	0	29	3	0	0	1
East North Central	**0**	**0**	**0**	**9**	**1**	**0**	**23**	**0**
Illinois	0	0	0	25	2	0	0	1
Indiana	0	0	0	19	2	0	0	1
Michigan	0	0	0	40	4	0	34	1
Ohio	0	0	0	10	2	0	0	0
Wisconsin	0	0	0	38	5	0	0	1
West North Central	**0**	**0**	**0**	**7**	**1**	**0**	**0**	**1**
Iowa	0	0	0	87	3	0	0	2
Kansas	0	0	0	75	2	0	0	2
Minnesota	0	0	0	7	2	0	0	3
Missouri	0	0	0	27	3	0	0	2
Nebraska	0	0	0	41	2	0	0	2
North Dakota	0	0	0	0	2	0	0	2
South Dakota	0	0	0	181	3	0	0	3
South Atlantic	**0**	**0**	**0**	**2**	**1**	**0**	**1**	**1**
Delaware	0	0	0	39	28	0	0	1
District of Columbia	0	0	0	92	92	0	0	92
Florida	0	0	0	7	3	0	1	3
Georgia	0	0	0	3	2	0	0	1
Maryland	0	0	0	11	7	0	0	1
North Carolina	0	0	0	3	2	0	0	2
South Carolina	0	0	0	6	7	0	0	10
Virginia	0	0	0	9	6	0	0	1
West Virginia	0	0	0	0	5	0	0	6
East South Central	**0**	**0**	**0**	**6**	**6**	**0**	**0**	**0**
Alabama	0	0	0	12	11	0	0	0
Kentucky	0	0	0	204	53	0	0	56
Mississippi	0	0	0	4	4	0	0	0
Tennessee	0	0	0	14	12	0	0	11
West South Central	**0**	**0**	**0**	**2**	**1**	**0**	**0**	**1**
Arkansas	0	0	0	4	11	0	0	1
Louisiana	0	0	0	0	29	0	0	6
Oklahoma	0	0	0	0	2	0	0	1
Texas	0	0	0	2	1	0	0	1
Mountain	**0**	**23**	**0**	**1**	**2**	**0**	**0**	**2**
Arizona	0	0	0	2	3	0	0	1
Colorado	0	0	0	7	3	0	0	3
Idaho	0	133	0	8	5	0	0	10
Montana	0	0	0	42	5	0	0	5
Nevada	0	24	0	2	10	0	0	7
New Mexico	0	0	0	7	3	0	0	3
Utah	0	104	0	4	8	0	0	8
Wyoming	0	0	0	0	5	0	0	4
Pacific Contiguous	**0**	**10**	**0**	**1**	**2**	**0**	**0**	**1**
California	0	10	0	1	3	0	0	2
Oregon	0	104	0	9	3	0	0	2
Washington	0	0	0	55	4	0	0	4
Pacific Noncontiguous	**0**	**53**	**0**	**10**	**14**	**0**	**0**	**6**
Alaska	0	0	0	0	31	0	0	38
Hawaii	0	53	0	10	15	0	0	5
U.S. Total	**0**	**12**	**0**	**1**	**1**	**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.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Independent Power Producers by Census Division and State, Year-to-Date through February 2020

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**37**	**0**	**3**	**0**	**0**	**10**
Connecticut	0	62	0	0	0	0	29
Maine	0	6	0	10	0	0	12
Massachusetts	0	50	0	5	0	0	23
New Hampshire	0	2,273	0	0	0	0	23
Rhode Island	0	225	0	15	0	0	0
Vermont	0	0	0	0	0	0	22
Middle Atlantic	**5**	**15**	**0**	**1**	**0**	**0**	**9**
New Jersey	0	15	0	3	0	0	0
New York	0	38	0	3	0	0	10
Pennsylvania	5	28	0	1	0	0	11
East North Central	**0**	**5**	**0**	**2**	**5**	**0**	**52**
Illinois	0	5	0	10	0	0	54
Indiana	0	0	0	1	0	0	0
Michigan	0	0	0	1	0	0	111
Ohio	0	7	0	1	17	0	105
Wisconsin	0	0	0	0	0	0	103
West North Central	**0**	**329**	**0**	**7**	**0**	**0**	**64**
Iowa	0	78	0	0	0	0	0
Kansas	0	0	0	0	0	0	0
Minnesota	0	671	0	22	0	0	77
Missouri	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0
South Atlantic	**6**	**35**	**0**	**1**	**0**	**0**	**6**
Delaware	0	94	0	0	0	0	0
Florida	0	108	0	5	0	0	0
Georgia	0	152	0	1	0	0	133
Maryland	0	36	0	2	0	0	2
North Carolina	0	82	0	4	0	0	67
South Carolina	0	0	0	36	0	0	60
Virginia	0	27	0	1	0	0	83
West Virginia	7	0	0	18	0	0	29
East South Central	**0**	**99**	**0**	**0**	**0**	**0**	**204**
Alabama	0	155	0	0	0	0	0
Kentucky	0	0	0	0	0	0	204
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0
West South Central	**0**	**3**	**0**	**1**	**0**	**0**	**19**
Arkansas	0	0	0	0	0	0	63
Louisiana	0	0	0	0	0	0	19
Oklahoma	0	0	0	0	0	0	0
Texas	0	3	0	1	0	0	0
Mountain	**5**	**126**	**0**	**3**	**0**	**0**	**33**
Arizona	0	0	0	0	0	0	0
Colorado	0	0	0	10	0	0	82
Idaho	0	0	0	24	0	0	41
Montana	6	508	0	36	0	0	103
Nevada	0	0	0	0	0	0	126
New Mexico	0	0	0	7	0	0	0
Utah	0	0	0	0	0	0	0
Wyoming	0	0	0	0	0	0	0
Pacific Contiguous	**0**	**21**	**0**	**1**	**0**	**0**	**30**
California	0	0	0	2	0	0	39
Oregon	0	0	0	1	0	0	77
Washington	0	32	0	11	0	0	59
Pacific Noncontiguous	**7**	**0**	**0**	**0**	**0**	**0**	**0**
Alaska	50	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**1**	**5**	**0**	**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 2020 (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**	**7**	**3**	**0**	**1**	**2**
Connecticut	0	0	0	20	9	0	0	0
Maine	0	0	0	69	4	0	0	6
Massachusetts	0	0	0	9	5	0	2	4
New Hampshire	0	0	0	0	11	0	0	2
Rhode Island	0	0	0	33	10	0	0	14
Vermont	0	0	0	27	15	0	0	15
Middle Atlantic	**0**	**0**	**0**	**7**	**2**	**0**	**0**	**1**
New Jersey	0	0	0	9	6	0	0	1
New York	0	0	0	11	3	0	0	1
Pennsylvania	0	0	0	29	3	0	0	1
East North Central	**0**	**0**	**0**	**9**	**1**	**0**	**23**	**0**
Illinois	0	0	0	25	2	0	0	1
Indiana	0	0	0	19	2	0	0	1
Michigan	0	0	0	40	4	0	34	1
Ohio	0	0	0	10	2	0	0	0
Wisconsin	0	0	0	38	5	0	0	1
West North Central	**0**	**0**	**0**	**7**	**1**	**0**	**0**	**1**
Iowa	0	0	0	87	3	0	0	2
Kansas	0	0	0	75	2	0	0	2
Minnesota	0	0	0	7	2	0	0	3
Missouri	0	0	0	27	3	0	0	2
Nebraska	0	0	0	41	2	0	0	2
North Dakota	0	0	0	0	2	0	0	2
South Dakota	0	0	0	181	3	0	0	3
South Atlantic	**0**	**0**	**0**	**2**	**1**	**0**	**1**	**1**
Delaware	0	0	0	39	28	0	0	1
District of Columbia	0	0	0	92	92	0	0	92
Florida	0	0	0	7	3	0	1	3
Georgia	0	0	0	3	2	0	0	1
Maryland	0	0	0	11	7	0	0	1
North Carolina	0	0	0	3	2	0	0	2
South Carolina	0	0	0	6	7	0	0	10
Virginia	0	0	0	9	6	0	0	1
West Virginia	0	0	0	0	5	0	0	6
East South Central	**0**	**0**	**0**	**6**	**6**	**0**	**0**	**0**
Alabama	0	0	0	12	11	0	0	0
Kentucky	0	0	0	204	53	0	0	56
Mississippi	0	0	0	4	4	0	0	0
Tennessee	0	0	0	14	12	0	0	11
West South Central	**0**	**0**	**0**	**2**	**1**	**0**	**0**	**1**
Arkansas	0	0	0	4	11	0	0	1
Louisiana	0	0	0	0	29	0	0	6
Oklahoma	0	0	0	0	2	0	0	1
Texas	0	0	0	2	1	0	0	1
Mountain	**0**	**23**	**0**	**1**	**2**	**0**	**0**	**2**
Arizona	0	0	0	2	3	0	0	1
Colorado	0	0	0	7	3	0	0	3
Idaho	0	133	0	8	5	0	0	10
Montana	0	0	0	42	5	0	0	5
Nevada	0	24	0	2	10	0	0	7
New Mexico	0	0	0	7	3	0	0	3
Utah	0	104	0	4	8	0	0	8
Wyoming	0	0	0	0	5	0	0	4
Pacific Contiguous	**0**	**10**	**0**	**1**	**2**	**0**	**0**	**1**
California	0	10	0	1	3	0	0	2
Oregon	0	104	0	9	3	0	0	2
Washington	0	0	0	55	4	0	0	4
Pacific Noncontiguous	**0**	**53**	**0**	**10**	**14**	**0**	**0**	**6**
Alaska	0	0	0	0	31	0	0	38
Hawaii	0	53	0	10	15	0	0	5
U.S. Total	**0**	**12**	**0**	**1**	**1**	**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.4.A. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, February 2020

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**21**	**0**	**17**	**0**	**0**	**0**
Connecticut	0	1,626	0	25	0	0	0
Maine	0	0	0	0	0	0	0
Massachusetts	0	107	0	25	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**	**162**	**0**	**17**	**0**	**0**	**0**
New Jersey	0	0	0	36	0	0	0
New York	0	209	0	21	0	0	0
Pennsylvania	0	0	0	0	0	0	0
East North Central	**27**	**44**	**0**	**7**	**0**	**0**	**0**
Illinois	48	37	0	25	0	0	0
Indiana	0	0	0	0	0	0	0
Michigan	0	319	0	7	0	0	0
Ohio	0	0	0	5	0	0	0
Wisconsin	0	739	0	13	0	0	0
West North Central	**0**	**42**	**0**	**1**	**0**	**0**	**0**
Iowa	0	0	0	3	0	0	0
Minnesota	0	44	0	0	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	1,253	0	0	0	0	0
South Atlantic	**0**	**3**	**0**	**8**	**0**	**0**	**0**
District of Columbia	0	0	0	0	0	0	0
Florida	0	0	0	0	0	0	0
Georgia	0	64	0	0	0	0	0
Maryland	0	0	0	5	0	0	0
North Carolina	0	198	0	58	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**	**29**	**0**	**0**	**0**
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	29	0	0	0
West South Central	**0**	**0**	**0**	**20**	**0**	**0**	**506**
Arkansas	0	0	0	140	0	0	0
Louisiana	0	0	0	33	0	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	0	0	24	0	0	506
Mountain	**0**	**978**	**0**	**11**	**0**	**0**	**0**
Arizona	0	978	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	56	0	0	0
Utah	0	0	0	0	0	0	0
Pacific Contiguous	**0**	**32**	**0**	**4**	**0**	**0**	**246**
California	0	44	0	4	0	0	246
Oregon	0	0	0	0	0	0	0
Washington	0	0	0	0	0	0	0
Pacific Noncontiguous	**31**	**5**	**0**	**0**	**0**	**0**	**88**
Alaska	31	228	0	0	0	0	88
Hawaii	0	0	0	0	0	0	0
U.S. Total	**14**	**16**	**0**	**4**	**0**	**0**	**72**

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 2020 (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**	**86**	**9**	**0**	**0**	**14**
Connecticut	0	0	0	122	122	0	0	25
Maine	0	0	0	0	0	0	0	0
Massachusetts	0	0	0	120	25	0	0	23
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**	**23**	**5**	**0**	**3**	**8**
New Jersey	0	0	0	24	10	0	0	9
New York	0	0	0	88	8	0	6	14
Pennsylvania	0	0	0	135	7	0	0	3
East North Central	**0**	**0**	**0**	**66**	**11**	**0**	**0**	**6**
Illinois	0	0	0	134	86	0	0	23
Indiana	0	0	0	198	22	0	0	2
Michigan	0	0	0	162	5	0	0	6
Ohio	0	0	0	136	35	0	0	6
Wisconsin	0	0	0	116	22	0	0	12
West North Central	**0**	**0**	**0**	**0**	**16**	**0**	**40**	**5**
Iowa	0	0	0	0	22	0	0	5
Kansas	0	0	0	0	134	0	0	134
Minnesota	0	0	0	0	36	0	40	12
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	141	0	0	141
South Dakota	0	0	0	0	0	0	0	1,253
South Atlantic	**0**	**0**	**0**	**22**	**7**	**0**	**0**	**5**
Delaware	0	0	0	0	0	0	0	0
District of Columbia	0	0	0	0	0	0	0	0
Florida	0	0	0	86	30	0	0	21
Georgia	0	0	0	187	187	0	0	124
Maryland	0	0	0	68	32	0	0	5
North Carolina	0	0	0	23	23	0	0	27
South Carolina	0	0	0	0	0	0	0	0
Virginia	0	0	0	213	5	0	0	2
East South Central	**0**	**0**	**0**	**137**	**137**	**0**	**0**	**28**
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	137	137	0	0	28
West South Central	**0**	**0**	**0**	**31**	**17**	**0**	**0**	**19**
Arkansas	0	0	0	0	0	0	0	91
Louisiana	0	0	0	0	0	0	0	33
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	141	23	0	0	22
Mountain	**0**	**0**	**0**	**26**	**3**	**0**	**0**	**5**
Arizona	0	0	0	65	65	0	0	5
Colorado	0	0	0	63	61	0	0	31
Idaho	0	0	0	0	0	0	0	0
Nevada	0	0	0	31	2	0	0	2
New Mexico	0	0	0	0	291	0	0	55
Utah	0	0	0	0	0	0	0	0
Pacific Contiguous	**0**	**0**	**0**	**21**	**7**	**0**	**0**	**4**
California	0	0	0	21	7	0	0	4
Oregon	0	0	0	0	34	0	0	13
Washington	0	0	0	0	69	0	0	45
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**23**
Alaska	0	0	0	0	0	0	0	44
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**11**	**3**	**0**	**2**	**3**

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

Commercial Sector by Census Division and State, Year-to-Date through February 2020

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**21**	**0**	**17**	**0**	**0**	**0**
Connecticut	0	1,626	0	25	0	0	0
Maine	0	0	0	0	0	0	0
Massachusetts	0	107	0	25	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**	**162**	**0**	**17**	**0**	**0**	**0**
New Jersey	0	0	0	36	0	0	0
New York	0	209	0	21	0	0	0
Pennsylvania	0	0	0	0	0	0	0
East North Central	**27**	**44**	**0**	**7**	**0**	**0**	**0**
Illinois	48	37	0	25	0	0	0
Indiana	0	0	0	0	0	0	0
Michigan	0	319	0	7	0	0	0
Ohio	0	0	0	5	0	0	0
Wisconsin	0	739	0	13	0	0	0
West North Central	**0**	**42**	**0**	**1**	**0**	**0**	**0**
Iowa	0	0	0	3	0	0	0
Minnesota	0	44	0	0	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	1,253	0	0	0	0	0
South Atlantic	**0**	**3**	**0**	**8**	**0**	**0**	**0**
District of Columbia	0	0	0	0	0	0	0
Florida	0	0	0	0	0	0	0
Georgia	0	64	0	0	0	0	0
Maryland	0	0	0	5	0	0	0
North Carolina	0	198	0	58	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**	**29**	**0**	**0**	**0**
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	29	0	0	0
West South Central	**0**	**0**	**0**	**20**	**0**	**0**	**506**
Arkansas	0	0	0	140	0	0	0
Louisiana	0	0	0	33	0	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	0	0	24	0	0	506
Mountain	**0**	**978**	**0**	**11**	**0**	**0**	**0**
Arizona	0	978	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	56	0	0	0
Utah	0	0	0	0	0	0	0
Pacific Contiguous	**0**	**32**	**0**	**4**	**0**	**0**	**246**
California	0	44	0	4	0	0	246
Oregon	0	0	0	0	0	0	0
Washington	0	0	0	0	0	0	0
Pacific Noncontiguous	**31**	**5**	**0**	**0**	**0**	**0**	**88**
Alaska	31	228	0	0	0	0	88
Hawaii	0	0	0	0	0	0	0
U.S. Total	**14**	**16**	**0**	**4**	**0**	**0**	**72**

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 2020 (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**	**86**	**9**	**0**	**0**	**14**
Connecticut	0	0	0	122	122	0	0	25
Maine	0	0	0	0	0	0	0	0
Massachusetts	0	0	0	120	25	0	0	23
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**	**23**	**5**	**0**	**3**	**8**
New Jersey	0	0	0	24	10	0	0	9
New York	0	0	0	88	8	0	6	14
Pennsylvania	0	0	0	135	7	0	0	3
East North Central	**0**	**0**	**0**	**66**	**11**	**0**	**0**	**6**
Illinois	0	0	0	134	86	0	0	23
Indiana	0	0	0	198	22	0	0	2
Michigan	0	0	0	162	5	0	0	6
Ohio	0	0	0	136	35	0	0	6
Wisconsin	0	0	0	116	22	0	0	12
West North Central	**0**	**0**	**0**	**0**	**16**	**0**	**40**	**5**
Iowa	0	0	0	0	22	0	0	5
Kansas	0	0	0	0	134	0	0	134
Minnesota	0	0	0	0	36	0	40	12
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	141	0	0	141
South Dakota	0	0	0	0	0	0	0	1,253
South Atlantic	**0**	**0**	**0**	**22**	**7**	**0**	**0**	**5**
Delaware	0	0	0	0	0	0	0	0
District of Columbia	0	0	0	0	0	0	0	0
Florida	0	0	0	86	30	0	0	21
Georgia	0	0	0	187	187	0	0	124
Maryland	0	0	0	68	32	0	0	5
North Carolina	0	0	0	23	23	0	0	27
South Carolina	0	0	0	0	0	0	0	0
Virginia	0	0	0	213	5	0	0	2
East South Central	**0**	**0**	**0**	**137**	**137**	**0**	**0**	**28**
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	137	137	0	0	28
West South Central	**0**	**0**	**0**	**31**	**17**	**0**	**0**	**19**
Arkansas	0	0	0	0	0	0	0	91
Louisiana	0	0	0	0	0	0	0	33
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	141	23	0	0	22
Mountain	**0**	**0**	**0**	**26**	**3**	**0**	**0**	**5**
Arizona	0	0	0	65	65	0	0	5
Colorado	0	0	0	63	61	0	0	31
Idaho	0	0	0	0	0	0	0	0
Nevada	0	0	0	31	2	0	0	2
New Mexico	0	0	0	0	291	0	0	55
Utah	0	0	0	0	0	0	0	0
Pacific Contiguous	**0**	**0**	**0**	**21**	**7**	**0**	**0**	**4**
California	0	0	0	21	7	0	0	4
Oregon	0	0	0	0	34	0	0	13
Washington	0	0	0	0	69	0	0	45
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**23**
Alaska	0	0	0	0	0	0	0	44
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**11**	**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 2020

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**143**	**52**	**0**	**12**	**0**	**0**	**62**
Connecticut	0	0	0	15	0	0	0
Maine	143	52	0	29	0	0	62
Massachusetts	0	0	0	11	0	0	0
New Hampshire	0	0	0	0	0	0	0
Rhode Island	0	6,274	0	49	0	0	0
Middle Atlantic	**0**	**23**	**0**	**9**	**14**	**0**	**26**
New Jersey	0	0	0	10	0	0	0
New York	0	7	0	8	0	0	26
Pennsylvania	0	63	0	16	19	0	0
East North Central	**7**	**15**	**0**	**6**	**7**	**0**	**67**
Illinois	7	0	0	22	0	0	0
Indiana	0	6	0	8	9	0	0
Michigan	110	54	0	13	0	0	245
Ohio	0	0	0	15	0	0	0
Wisconsin	23	0	0	12	0	0	69
West North Central	**5**	**0**	**0**	**5**	**0**	**0**	**0**
Iowa	2	0	0	7	0	0	0
Kansas	0	0	0	10	0	0	0
Minnesota	54	0	0	0	0	0	0
Missouri	0	0	0	0	0	0	0
Nebraska	8	0	0	0	0	0	0
North Dakota	68	0	0	0	0	0	0
South Atlantic	**6**	**34**	**152**	**6**	**0**	**0**	**25**
Delaware	0	0	0	0	0	0	0
Florida	49	53	0	16	0	0	0
Georgia	17	70	152	24	0	0	0
Maryland	0	0	0	0	0	0	0
North Carolina	2	75	0	32	0	0	378
South Carolina	0	0	0	9	0	0	0
Virginia	0	12	0	8	0	0	0
West Virginia	0	0	0	0	0	0	25
East South Central	**0**	**124**	**0**	**10**	**128**	**0**	**0**
Alabama	0	539	0	19	367	0	0
Kentucky	0	0	0	11	0	0	0
Mississippi	0	0	0	28	0	0	0
Tennessee	0	0	0	5	0	0	0
West South Central	**0**	**13**	**101**	**2**	**11**	**0**	**0**
Arkansas	0	0	0	33	0	0	0
Louisiana	0	0	0	2	13	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	14	101	2	13	0	0
Mountain	**25**	**0**	**0**	**4**	**4**	**0**	**0**
Colorado	0	0	0	0	0	0	0
Idaho	155	0	0	25	0	0	0
Montana	76	0	0	48	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	26	0	0	6	4	0	0
Pacific Contiguous	**0**	**52**	**0**	**2**	**3**	**0**	**0**
California	0	0	0	2	3	0	0
Oregon	0	0	0	23	0	0	0
Washington	0	80	0	16	0	0	0
Pacific Noncontiguous	**0**	**2**	**0**	**0**	**0**	**0**	**110**
Alaska	0	8	0	0	0	0	0
Hawaii	0	0	0	0	0	0	110
U.S. Total	**3**	**8**	**55**	**1**	**5**	**0**	**19**

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 2020 (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**	**132**	**9**	**0**	**0**	**8**
Connecticut	0	0	0	838	838	0	0	15
Maine	0	0	0	0	9	0	0	10
Massachusetts	0	0	0	133	90	0	0	11
New Hampshire	0	0	0	0	0	0	0	0
Rhode Island	0	0	0	0	0	0	0	49
Middle Atlantic	**0**	**0**	**0**	**66**	**9**	**0**	**0**	**6**
New Jersey	0	0	0	110	110	0	0	6
New York	0	0	0	123	19	0	0	7
Pennsylvania	0	0	0	101	10	0	0	10
East North Central	**0**	**0**	**0**	**0**	**7**	**0**	**1**	**3**
Illinois	0	0	0	0	0	0	0	6
Indiana	0	0	0	0	32	0	0	5
Michigan	0	0	0	0	13	0	0	9
Ohio	0	0	0	0	9	0	0	7
Wisconsin	0	0	0	0	12	0	54	9
West North Central	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**3**
Iowa	0	0	0	0	0	0	0	2
Kansas	0	0	0	0	0	0	0	9
Minnesota	0	0	0	0	0	0	0	7
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	8
North Dakota	0	0	0	0	110	0	0	38
South Atlantic	**0**	**0**	**0**	**123**	**3**	**0**	**1**	**3**
Delaware	0	0	0	0	76	0	0	1
Florida	0	0	0	154	9	0	1	7
Georgia	0	0	0	0	5	0	0	8
Maryland	0	0	0	0	0	0	0	0
North Carolina	0	0	0	0	6	0	0	6
South Carolina	0	0	0	171	3	0	0	3
Virginia	0	0	0	0	0	0	0	3
West Virginia	0	0	0	0	0	0	0	12
East South Central	**0**	**0**	**0**	**97**	**4**	**0**	**85**	**4**
Alabama	0	0	0	0	5	0	0	6
Kentucky	0	0	0	0	21	0	0	13
Mississippi	0	0	0	0	5	0	0	8
Tennessee	0	0	0	97	7	0	85	3
West South Central	**0**	**0**	**0**	**0**	**5**	**0**	**3**	**2**
Arkansas	0	0	0	0	8	0	0	9
Louisiana	0	0	0	0	7	0	0	2
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	0	13	0	6	2
Mountain	**0**	**0**	**0**	**104**	**2**	**0**	**0**	**4**
Colorado	0	0	0	0	0	0	0	0
Idaho	0	0	0	171	3	0	0	8
Montana	0	0	0	0	0	0	0	31
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**	**55**	**8**	**0**	**4**	**2**
California	0	0	0	55	16	0	4	2
Oregon	0	0	0	0	15	0	0	13
Washington	0	0	0	0	11	0	0	9
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**146**	**0**	**0**	**9**
Alaska	0	0	0	0	146	0	0	6
Hawaii	0	0	0	0	0	0	0	13
U.S. Total	**0**	**0**	**0**	**34**	**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 2020

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**143**	**52**	**0**	**12**	**0**	**0**	**62**
Connecticut	0	0	0	15	0	0	0
Maine	143	52	0	29	0	0	62
Massachusetts	0	0	0	11	0	0	0
New Hampshire	0	0	0	0	0	0	0
Rhode Island	0	6,274	0	49	0	0	0
Middle Atlantic	**0**	**23**	**0**	**9**	**14**	**0**	**26**
New Jersey	0	0	0	10	0	0	0
New York	0	7	0	8	0	0	26
Pennsylvania	0	63	0	16	19	0	0
East North Central	**7**	**15**	**0**	**6**	**7**	**0**	**67**
Illinois	7	0	0	22	0	0	0
Indiana	0	6	0	8	9	0	0
Michigan	110	54	0	13	0	0	245
Ohio	0	0	0	15	0	0	0
Wisconsin	23	0	0	12	0	0	69
West North Central	**5**	**0**	**0**	**5**	**0**	**0**	**0**
Iowa	2	0	0	7	0	0	0
Kansas	0	0	0	10	0	0	0
Minnesota	54	0	0	0	0	0	0
Missouri	0	0	0	0	0	0	0
Nebraska	8	0	0	0	0	0	0
North Dakota	68	0	0	0	0	0	0
South Atlantic	**6**	**34**	**152**	**6**	**0**	**0**	**25**
Delaware	0	0	0	0	0	0	0
Florida	49	53	0	16	0	0	0
Georgia	17	70	152	24	0	0	0
Maryland	0	0	0	0	0	0	0
North Carolina	2	75	0	32	0	0	378
South Carolina	0	0	0	9	0	0	0
Virginia	0	12	0	8	0	0	0
West Virginia	0	0	0	0	0	0	25
East South Central	**0**	**124**	**0**	**10**	**128**	**0**	**0**
Alabama	0	539	0	19	367	0	0
Kentucky	0	0	0	11	0	0	0
Mississippi	0	0	0	28	0	0	0
Tennessee	0	0	0	5	0	0	0
West South Central	**0**	**13**	**101**	**2**	**11**	**0**	**0**
Arkansas	0	0	0	33	0	0	0
Louisiana	0	0	0	2	13	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	14	101	2	13	0	0
Mountain	**25**	**0**	**0**	**4**	**4**	**0**	**0**
Colorado	0	0	0	0	0	0	0
Idaho	155	0	0	25	0	0	0
Montana	76	0	0	48	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	26	0	0	6	4	0	0
Pacific Contiguous	**0**	**52**	**0**	**2**	**3**	**0**	**0**
California	0	0	0	2	3	0	0
Oregon	0	0	0	23	0	0	0
Washington	0	80	0	16	0	0	0
Pacific Noncontiguous	**0**	**2**	**0**	**0**	**0**	**0**	**110**
Alaska	0	8	0	0	0	0	0
Hawaii	0	0	0	0	0	0	110
U.S. Total	**3**	**8**	**55**	**1**	**5**	**0**	**19**

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 2020 (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**	**132**	**9**	**0**	**0**	**8**
Connecticut	0	0	0	838	838	0	0	15
Maine	0	0	0	0	9	0	0	10
Massachusetts	0	0	0	133	90	0	0	11
New Hampshire	0	0	0	0	0	0	0	0
Rhode Island	0	0	0	0	0	0	0	49
Middle Atlantic	**0**	**0**	**0**	**66**	**9**	**0**	**0**	**6**
New Jersey	0	0	0	110	110	0	0	6
New York	0	0	0	123	19	0	0	7
Pennsylvania	0	0	0	101	10	0	0	10
East North Central	**0**	**0**	**0**	**0**	**7**	**0**	**1**	**3**
Illinois	0	0	0	0	0	0	0	6
Indiana	0	0	0	0	32	0	0	5
Michigan	0	0	0	0	13	0	0	9
Ohio	0	0	0	0	9	0	0	7
Wisconsin	0	0	0	0	12	0	54	9
West North Central	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**3**
Iowa	0	0	0	0	0	0	0	2
Kansas	0	0	0	0	0	0	0	9
Minnesota	0	0	0	0	0	0	0	7
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	8
North Dakota	0	0	0	0	110	0	0	38
South Atlantic	**0**	**0**	**0**	**123**	**3**	**0**	**1**	**3**
Delaware	0	0	0	0	76	0	0	1
Florida	0	0	0	154	9	0	1	7
Georgia	0	0	0	0	5	0	0	8
Maryland	0	0	0	0	0	0	0	0
North Carolina	0	0	0	0	6	0	0	6
South Carolina	0	0	0	171	3	0	0	3
Virginia	0	0	0	0	0	0	0	3
West Virginia	0	0	0	0	0	0	0	12
East South Central	**0**	**0**	**0**	**97**	**4**	**0**	**85**	**4**
Alabama	0	0	0	0	5	0	0	6
Kentucky	0	0	0	0	21	0	0	13
Mississippi	0	0	0	0	5	0	0	8
Tennessee	0	0	0	97	7	0	85	3
West South Central	**0**	**0**	**0**	**0**	**5**	**0**	**3**	**2**
Arkansas	0	0	0	0	8	0	0	9
Louisiana	0	0	0	0	7	0	0	2
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	0	13	0	6	2
Mountain	**0**	**0**	**0**	**104**	**2**	**0**	**0**	**4**
Colorado	0	0	0	0	0	0	0	0
Idaho	0	0	0	171	3	0	0	8
Montana	0	0	0	0	0	0	0	31
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**	**55**	**8**	**0**	**4**	**2**
California	0	0	0	55	16	0	4	2
Oregon	0	0	0	0	15	0	0	13
Washington	0	0	0	0	11	0	0	9
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**146**	**0**	**0**	**9**
Alaska	0	0	0	0	146	0	0	6
Hawaii	0	0	0	0	0	0	0	13
U.S. Total	**0**	**0**	**0**	**34**	**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 2020

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**1**	**1**	**2**	**0**	**1**
Connecticut	1	1	3	0	1
Maine	1	1	2	0	1
Massachusetts	1	1	5	0	1
New Hampshire	1	1	2	0	1
Rhode Island	0	0	0	0	0
Vermont	5	7	7	0	4
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	1	0	2	0	0
New York	1	0	1	0	0
Pennsylvania	0	1	2	0	1
East North Central	**1**	**1**	**1**	**0**	**0**
Illinois	1	1	1	0	1
Indiana	2	3	2	0	1
Michigan	1	2	4	0	2
Ohio	1	1	1	0	1
Wisconsin	1	4	8	0	3
West North Central	**1**	**2**	**4**	**0**	**1**
Iowa	2	9	7	0	4
Kansas	3	2	9	0	3
Minnesota	2	6	9	0	3
Missouri	2	3	7	0	2
Nebraska	2	9	13	0	5
North Dakota	2	5	10	0	5
South Dakota	3	11	17	0	5
South Atlantic	**1**	**0**	**2**	**0**	**0**
Delaware	2	2	6	0	2
District of Columbia	0	0	0	0	0
Florida	1	1	6	0	1
Georgia	2	1	5	0	1
Maryland	1	1	2	0	0
North Carolina	1	1	4	0	1
South Carolina	2	1	4	0	2
Virginia	1	0	5	0	1
West Virginia	0	1	0	0	0
East South Central	**1**	**2**	**2**	**0**	**1**
Alabama	2	2	3	0	1
Kentucky	3	4	3	0	2
Mississippi	3	2	6	0	2
Tennessee	2	3	5	0	2
West South Central	**1**	**1**	**2**	**0**	**1**
Arkansas	2	2	5	0	2
Louisiana	2	1	2	0	1
Oklahoma	2	2	5	0	2
Texas	2	1	2	0	1
Mountain	**1**	**2**	**2**	**0**	**1**
Arizona	1	3	5	0	1
Colorado	2	5	8	0	3
Idaho	1	5	7	0	3
Montana	2	9	7	0	4
Nevada	1	2	1	0	1
New Mexico	3	7	8	0	4
Utah	2	5	4	0	2
Wyoming	2	9	5	0	4
Pacific Contiguous	**0**	**1**	**3**	**0**	**1**
California	0	1	2	0	1
Oregon	1	5	12	0	3
Washington	1	5	9	0	3
Pacific Noncontiguous	**1**	**6**	**6**	**0**	**3**
Alaska	3	11	21	0	6
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 2020

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**1**	**1**	**3**	**0**	**1**
Connecticut	1	1	3	0	1
Maine	1	1	2	0	1
Massachusetts	1	1	5	0	1
New Hampshire	2	4	7	0	3
Rhode Island	0	0	0	0	0
Vermont	3	6	6	0	3
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	2	0	0
New York	0	0	1	0	0
Pennsylvania	0	1	1	0	0
East North Central	**0**	**1**	**1**	**0**	**0**
Illinois	1	1	1	0	0
Indiana	1	3	2	0	1
Michigan	1	2	4	0	1
Ohio	1	1	1	0	0
Wisconsin	1	4	7	0	3
West North Central	**1**	**2**	**3**	**0**	**1**
Iowa	2	7	6	0	3
Kansas	2	1	7	0	2
Minnesota	1	5	8	0	3
Missouri	2	2	6	0	1
Nebraska	2	8	11	0	4
North Dakota	1	4	9	0	4
South Dakota	2	9	14	0	5
South Atlantic	**1**	**0**	**2**	**0**	**0**
Delaware	2	2	5	0	2
District of Columbia	0	0	0	0	0
Florida	1	1	6	0	1
Georgia	1	1	4	0	1
Maryland	0	1	2	0	0
North Carolina	1	1	4	0	1
South Carolina	1	1	3	0	1
Virginia	2	2	5	1	2
West Virginia	0	1	0	0	0
East South Central	**1**	**2**	**2**	**0**	**1**
Alabama	1	1	3	0	1
Kentucky	2	3	3	0	1
Mississippi	2	2	5	0	2
Tennessee	1	3	4	0	1
West South Central	**1**	**1**	**1**	**0**	**1**
Arkansas	2	2	4	0	2
Louisiana	1	1	1	0	1
Oklahoma	2	1	4	0	2
Texas	1	1	2	0	1
Mountain	**1**	**2**	**2**	**0**	**1**
Arizona	1	2	4	0	1
Colorado	2	4	7	0	2
Idaho	1	5	6	0	2
Montana	2	8	7	0	3
Nevada	1	2	1	0	1
New Mexico	2	7	7	0	4
Utah	2	4	3	0	2
Wyoming	2	8	4	0	3
Pacific Contiguous	**0**	**1**	**3**	**0**	**1**
California	0	1	2	0	1
Oregon	1	4	10	0	3
Washington	1	4	8	0	2
Pacific Noncontiguous	**1**	**5**	**5**	**0**	**2**
Alaska	2	10	18	0	5
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 2020

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**1**	**1**	**0**	**0**
Connecticut	1	1	1	0	0
Maine	1	1	2	0	1
Massachusetts	1	1	3	0	1
New Hampshire	1	1	2	0	1
Rhode Island	0	0	0	0	0
Vermont	4	7	5	0	3
Middle Atlantic	**0**	**0**	**2**	**0**	**0**
New Jersey	1	0	2	0	0
New York	0	0	1	0	0
Pennsylvania	1	1	3	0	1
East North Central	**1**	**1**	**2**	**0**	**1**
Illinois	1	1	1	0	1
Indiana	2	3	2	0	1
Michigan	1	2	6	0	1
Ohio	1	1	1	0	1
Wisconsin	1	3	10	0	3
West North Central	**1**	**2**	**5**	**0**	**1**
Iowa	2	7	10	0	4
Kansas	3	3	7	0	2
Minnesota	2	4	12	0	3
Missouri	3	4	6	0	2
Nebraska	3	8	18	0	5
North Dakota	2	4	10	0	4
South Dakota	3	8	19	0	5
South Atlantic	**1**	**1**	**2**	**0**	**0**
Delaware	3	3	7	0	2
District of Columbia	0	0	0	0	0
Florida	1	1	6	0	1
Georgia	2	2	5	0	1
Maryland	1	1	2	0	0
North Carolina	1	2	4	0	1
South Carolina	2	2	4	0	1
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	4	3	0	2
Mississippi	3	3	6	0	2
Tennessee	2	4	5	0	2
West South Central	**1**	**1**	**2**	**0**	**1**
Arkansas	2	3	5	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	2	3	7	0	2
Colorado	4	5	10	0	3
Idaho	2	5	9	0	2
Montana	3	6	11	0	4
Nevada	2	3	2	0	1
New Mexico	6	8	13	0	5
Utah	4	6	5	0	3
Wyoming	3	8	7	0	4
Pacific Contiguous	**0**	**1**	**3**	**0**	**1**
California	1	1	2	0	1
Oregon	1	3	14	0	3
Washington	1	3	11	0	2
Pacific Noncontiguous	**1**	**3**	**4**	**0**	**2**
Alaska	3	8	20	0	5
Hawaii	0	0	0	0	0
U.S. Total	**0**	**0**	**1**	**0**	**0**

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

by End-Use Sector, Census Division, and State, Year-to-Date through February 2020

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**1**	**2**	**0**	**0**
Connecticut	0	1	1	0	0
Maine	1	1	2	0	1
Massachusetts	1	1	3	0	1
New Hampshire	1	5	10	0	3
Rhode Island	0	0	0	0	0
Vermont	3	6	4	0	3
Middle Atlantic	**0**	**0**	**1**	**0**	**0**
New Jersey	0	0	2	0	0
New York	0	0	1	0	0
Pennsylvania	0	1	2	0	0
East North Central	**1**	**1**	**1**	**0**	**0**
Illinois	1	1	1	0	1
Indiana	2	3	2	0	1
Michigan	1	1	5	0	1
Ohio	1	1	1	0	1
Wisconsin	1	3	8	0	2
West North Central	**1**	**2**	**4**	**0**	**1**
Iowa	2	6	8	0	3
Kansas	2	2	6	0	2
Minnesota	2	4	10	0	3
Missouri	2	3	5	0	2
Nebraska	2	7	14	0	4
North Dakota	2	4	8	0	4
South Dakota	3	7	16	0	4
South Atlantic	**1**	**1**	**2**	**0**	**0**
Delaware	2	3	6	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	2	0	0
North Carolina	1	1	4	0	1
South Carolina	2	2	3	0	1
Virginia	3	2	6	2	2
West Virginia	1	1	0	0	0
East South Central	**1**	**2**	**2**	**0**	**1**
Alabama	1	2	3	0	1
Kentucky	2	4	3	0	2
Mississippi	2	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	2	0	1
Oklahoma	2	3	5	0	2
Texas	1	1	2	0	1
Mountain	**1**	**2**	**3**	**0**	**1**
Arizona	1	3	6	0	1
Colorado	3	5	8	0	3
Idaho	1	4	8	0	2
Montana	2	5	11	0	3
Nevada	1	2	2	0	1
New Mexico	5	8	11	0	4
Utah	4	5	4	0	3
Wyoming	3	7	6	0	3
Pacific Contiguous	**0**	**1**	**2**	**0**	**0**
California	0	1	2	0	0
Oregon	1	3	12	0	2
Washington	1	3	10	0	2
Pacific Noncontiguous	**1**	**3**	**3**	**0**	**1**
Alaska	2	7	15	0	4
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 2020

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

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

by End-Use Sector, Census Division, and State, Year-to-Date through February 2020

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

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Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2020

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
2020	1	. .	. .	. Hours, . Minutes	Tennessee Valley Authority	SERC	Tennessee:	Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system.-Severe Weather	4	
2020	1	. .	. .	. Hours, . Minutes	Western Area Power Administration - Upper Great Plains Region	MRO	North Dakota: Burleigh County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	75	0
2020	1	. .	. .	. Hours, . Minutes	Southern Company	SERC	Alabama: Georgia: Mississippi:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	219	30715
2020	1	. .	. .	. Hours, . Minutes	Entergy - Transmission Operations Engineering	SPP RE	Arkansas: Cross County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Severe Weather/Transmission Interruption	22	7541
2020	1	. .	. .	. 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
2020	1	. .	. .	. Hours, . 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		66475
2020	1	. .	. .	. Hours, . Minutes	Entergy Corp	SPP RE	Arkansas: Texas:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		68138
2020	1	. .	. .	. Hours, . Minutes	Entergy - Transmission Operations Engineering	SPP RE	Arkansas: Yell County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Severe Weather/Transmission Interruption	0	0
2020	1	. .	. .	. Hours, . Minutes	Entergy Transmission Control Center - South	SPP RE	Arkansas:	Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system.-System Operations		
2020	1	. .	. .	. Hours, . Minutes	Pacific Gas & Electric Co	WECC	California: Humboldt County;	Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system.-Severe Weather/Transmission Interruption	87	67864
2020	2	. .	. .	. Hours, . 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		7500
2020	2	. .	. .	. Hours, . Minutes	Exelon Corporation/PECO	RF	Pennsylvania:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather/Distribution Interruption		52000
2020	2	. .	. .	. Hours, . 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		123359
2020	2	. .	. .	. Hours, . 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/Transmission Interruption		89500
2020	2	. .	. .	. Hours, . Minutes	Duke Energy Progress	SERC	North Carolina:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather/Distribution Interruption		284256
2020	2	. .	. .	. Hours, . Minutes	Pacific Gas & Electric Co	WECC	Northern and Central California;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	91	70000
2020	2	. .	. .	. Hours, . Minutes	Portland General Electric Co	WECC	Oregon: Clackamas County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption		0
2020	2	. .	. .	. Hours, . Minutes	Pacific Gas & Electric Co	WECC	California: Alameda County, Contra Costa County, El Dorado County, Nevada County, Placer County, Sierra County, Santa Clara County, Napa County, Marin County, Santa Cruz County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	500	145000
2020	2	. .	. .	. Hours, . Minutes	Dominion Energy VA	SERC	Virginia: North Carolina:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		87000

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, 2019

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
2019	1	01/06/2019 1:00 AM	01/06/2019 12:00 PM	11 Hours, 0 Minutes	Puget Sound Energy	WECC	Washington: King County, Thurston County, Pierce County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		230000
2019	1	01/06/2019 3:00 AM	01/09/2019 7:00 AM	76 Hours, 0 Minutes	Peak Reliability	WECC	Washington:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	230	230000
2019	1	01/06/2019 5:56 PM	01/06/2019 9:52 PM	3 Hours, 56 Minutes	Sacramento Municipal Util Dist	WECC	California: Sacramento County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	300	90382
2019	1	01/10/2019 12:19 PM	01/10/2019 12:48 PM	0 Hours, 29 Minutes	Western Area Power Administration - Upper Great Plains Region	WECC	Montana: Valley County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-System Operations	11	2
2019	1	01/12/2019 11:30 AM	. .	. Hours, . Minutes	Southwest Power Pool, Inc.	SERC	Missouri: Nebraska:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		116600
2019	1	01/12/2019 11:30 AM	01/13/2019 10:00 PM	34 Hours, 30 Minutes	Kansas City Power & Light Co	SPP RE	Missouri: Jackson County; Kansas: Johnson County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		112530
2019	1	01/13/2019 5:30 AM	01/15/2019 5:00 PM	59 Hours, 30 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	133200	
2019	1	01/16/2019 5:26 PM	01/17/2019 12:19 PM	18 Hours, 53 Minutes	Pacific Gas & Electric Co	WECC	California:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	190	126700
2019	1	01/18/2019 9:54 PM	01/19/2019 12:19 AM	2 Hours, 25 Minutes	Nebraska Public Power District	MRO	Nebraska:	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	8	
2019	1	01/23/2019 7:26 AM	01/23/2019 5:05 PM	9 Hours, 39 Minutes	Western Area Power Administration	WECC	Colorado: Larimer County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-System Operations	0	0
2019	1	01/29/2019 6:34 PM	01/29/2019 6:36 PM	0 Hours, 2 Minutes	Entergy Transmission Control Center - North	SERC	Louisiana: Washington Parish;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption		
2019	1	01/30/2019 4:23 AM	02/02/2019 9:00 AM	76 Hours, 37 Minutes	Prairie Power, Inc.	SERC	Illinois: Scott County;	Fuel supply emergencies that could impact electric power system adequacy or reliability.-Fuel Supply Deficiency		
2019	1	01/30/2019 7:00 AM	01/30/2019 8:08 AM	1 Hours, 8 Minutes	Prairie Power, Inc.	SERC	Illinois: Pike County;	Fuel supply emergencies that could impact electric power system adequacy or reliability.-Severe Weather		
2019	1	01/30/2019 9:30 AM	01/31/2019 6:00 PM	32 Hours, 30 Minutes	Detroit Edison Co	RF	Michigan:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather		
2019	2	02/05/2019 6:17 PM	02/05/2019 8:26 PM	2 Hours, 9 Minutes	Pacific Gas & Electric Co	WECC	California	Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blocked out area or within the partial failure of an integrated electrical system.-Severe Weather	42	33200
2019	2	02/07/2019 7:39 AM	02/07/2019 7:40 AM	0 Hours, 1 Minutes	Entergy Transmission Control Center - North	SERC	Arkansas	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Severe Weather/Transmission Interruption	3	3370
2019	2	02/07/2019 8:55 AM	02/09/2019 4:30 PM	55 Hours, 35 Minutes	Consumers Energy Co	RF	Michigan	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		233000
2019	2	02/08/2019 6:30 PM	. .	. Hours, . Minutes	Puget Sound Energy	WECC	Washington	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		50940
2019	2	02/13/2019 2:48 AM	02/15/2019 12:28 AM	45 Hours, 40 Minutes	Pacific Gas & Electric Co	WECC	California	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	182	121000
2019	2	02/23/2019 2:05 PM	. .	. Hours, . Minutes	American Electric Power - (RFC Reliability Region)	SERC	Virginia	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Severe Weather/Transmission Interruption		

Table B.2 Major Disturbances and Unusual Occurrences, 2019

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
2019	2	02/24/2019 11:21 AM	02/26/2019 5:29 PM	54 Hours, 8 Minutes	American Electric Power - (RFC Reliability Region)	RF	Ohio, Virginia, West Virginia	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		118781
2019	2	02/24/2019 12:31 PM	02/24/2019 2:57 PM	2 Hours, 26 Minutes	Ohio Edison Co	RF	Ohio	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		157274
2019	2	02/24/2019 2:33 PM	02/24/2019 6:03 PM	3 Hours, 30 Minutes	Monongahela Power Co	RF	Pennsylvania	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		94048
2019	2	02/24/2019 6:00 PM	02/25/2019 10:00 PM	28 Hours, 0 Minutes	Duquesne Light Co	RF	Pennsylvania	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		132000
2019	2	02/24/2019 6:47 PM	02/25/2019 1:55 PM	19 Hours, 8 Minutes	West Penn Power Company	RF	Pennsylvania	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		137216
2019	2	02/24/2019 8:02 PM	02/25/2019 2:30 PM	18 Hours, 28 Minutes	Consumers Energy Co	RF	Michigan	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		115000
2019	2	02/25/2019 7:45 AM	02/25/2019 6:40 PM	10 Hours, 55 Minutes	ISO New England	NPCC	Massachusetts	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	0	0
2019	2	02/25/2019 1:35 PM	02/26/2019 2:50 AM	13 Hours, 15 Minutes	ISO New England	NPCC	Connecticut, Massachusetts, New Hampshire, Maine, Vermont, Rhode Island	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		72332
2019	2	02/27/2019 11:25 AM	02/27/2019 5:39 PM	6 Hours, 14 Minutes	MidAmerican Energy Co	MRO	Iowa	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	0	0
2019	3	03/13/2019 5:50 AM	03/13/2019 10:30 AM	4 Hours, 40 Minutes	Oncor Electric Delivery Company LLC	TRE	Texas: Midland County, Ector County, Tarrant County, Dallas County, Wichita County, Brown County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		154124
2019	3	03/13/2019 11:29 AM	03/14/2019 9:11 PM	33 Hours, 42 Minutes	Public Service Company of Colorado	WECC	Colorado: Jefferson County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	58	58379
2019	3	03/13/2019 3:00 PM	03/14/2019 12:00 AM	9 Hours, 0 Minutes	Southwest Power Pool, Inc.	TRE	Texas: Kansas: Oklahoma:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather/Transmission Interruption		66000
2019	3	03/13/2019 3:51 PM	03/16/2019 6:00 PM	74 Hours, 9 Minutes	Southwestern Public Service	TRE	Texas:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather/Transmission Interruption	50	54290
2019	4	04/03/2019 5:15 AM	04/03/2019 12:39 PM	7 Hours, 24 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
2019	4	04/04/2019 10:13 AM	04/04/2019 12:08 PM	1 Hours, 55 Minutes	Bonneville Power Administration	WECC	Montana:	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	0	0
2019	4	04/07/2019 1:46 PM	04/08/2019 5:50 PM	28 Hours, 4 Minutes	CenterPoint Energy	TRE	Texas:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	537	231956
2019	4	04/11/2019 7:48 PM	04/11/2019 8:00 PM	0 Hours, 12 Minutes	Bonneville Power Administration	WECC	Oregon: Washington:	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	0	0
2019	4	04/12/2019 11:20 AM	04/12/2019 12:46 PM	1 Hours, 26 Minutes	Xcel Energy	MRO	Minnesota: Martin County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	0	0
2019	4	04/13/2019 6:15 PM	04/13/2019 11:15 PM	5 Hours, 0 Minutes	Entergy Corp	SERC	Mississippi: Arkansas: Texas: Louisiana:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		60467
2019	4	04/15/2019 4:35 AM	04/15/2019 2:40 PM	10 Hours, 5 Minutes	Dominion Virginia Power	SERC	Virginia:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		75290
2019	4	04/18/2019 7:55 PM	04/19/2019 5:29 PM	21 Hours, 34 Minutes	Southern Company	SERC	Alabama: Mississippi: Georgia: Florida:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	116	34695

Table B.2 Major Disturbances and Unusual Occurrences, 2019

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
2019	4	04/18/2019 8:08 PM	04/19/2019 11:00 AM	14 Hours, 52 Minutes	Public Service Company of Colorado	WECC	Colorado: Clear Creek County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	0	0
2019	4	04/25/2019 6:03 PM	04/25/2019 6:32 PM	0 Hours, 29 Minutes	Salt River Project	WECC	Arizona: Maricopa County;	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Generation Inadequacy	150	51366
2019	4	04/26/2019 1:00 AM	04/26/2019 1:27 PM	12 Hours, 27 Minutes	FirstEnergy Corp	RF	Pennsylvania:	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	7	5830
2019	4	04/26/2019 3:16 PM	04/26/2019 3:17 PM	0 Hours, 1 Minutes	ISO New England	NPCC	Massachusetts: Hampden County[13];	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Severe Weather/Transmission Interruption	0	0
2019	4	04/26/2019 5:46 PM	04/27/2019 11:49 AM	18 Hours, 3 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		54071
2019	4	04/28/2019 10:43 AM	04/29/2019 2:06 AM	15 Hours, 23 Minutes	FirstEnergy Corp	RF	Ohio:	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	0	0
2019	5	05/08/2019 9:22 AM	05/08/2019 9:56 AM	0 Hours, 34 Minutes	PJM Interconnection	RF	Pennsylvania: Mercer County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	29	1
2019	5	05/08/2019 3:50 PM	05/13/2019 12:00 AM	104 Hours, 10 Minutes	Southwest Power Pool, Inc.	SPP RE	Louisiana: Texas:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather/Distribution Interruption		65844
2019	5	05/09/2019 5:55 PM	05/11/2019 8:50 PM	50 Hours, 55 Minutes	CenterPoint Energy	TRE	Texas: Harris County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	691	238015
2019	5	05/09/2019 7:06 PM	05/10/2019 2:57 AM	7 Hours, 51 Minutes	CenterPoint Energy Houston Electric, LLC	TRE	Texas: Harris County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Severe Weather/Transmission Interruption	0	0
2019	5	05/10/2019 2:00 AM	05/10/2019 12:15 PM	10 Hours, 15 Minutes	Entergy Corp	TRE	Texas:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		61008
2019	5	05/18/2019 3:45 PM	05/20/2019 4:00 AM	36 Hours, 15 Minutes	Oncor Electric Delivery Company LLC	TRE	Texas: Ector County, Midland County, Tarrant County, Dallas County, Stephens County, Anderson County, McLennan County, Ellis County, Hunt County, Young County, Bell County, Limestone County, Collin County, Rockwall County, Henderson County, Parker County, Falls County, Freestone County, Kaufman County, Grayson County, Smith County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		68000
2019	5	05/23/2019 1:11 AM	05/23/2019 12:00 PM	10 Hours, 49 Minutes	Northern Indiana Pub Serv Co	RF	Indiana:	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Severe Weather/Transmission Interruption	0	0
2019	5	05/23/2019 4:55 PM	05/23/2019 11:40 PM	6 Hours, 45 Minutes	Dominion Energy VA	SERC	Virginia:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		100000
2019	5	05/24/2019 9:47 PM	05/24/2019 11:58 PM	2 Hours, 11 Minutes	Pacific Gas & Electric Co	WECC	California:	Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blocked out area or within the partial failure of an integrated electrical system-Severe Weather	20	10961
2019	5	05/27/2019 10:07 PM	05/28/2019 3:00 AM	4 Hours, 53 Minutes	Dayton Power & Light Co	RF	Ohio: Montgomery County, Darke County, Mercer County, Miami County, Greene County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather/Transmission Interruption	347	70000

Table B.2 Major Disturbances and Unusual Occurrences, 2019

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
2019	6	06/02/2019 6:19 PM	06/02/2019 8:43 PM	2 Hours, 24 Minutes	Pacific Gas & Electric Co	WECC	California:	Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blocked out area or within the partial failure of an integrated electrical system.-Severe Weather/Transmission Interruption		
2019	6	06/06/2019 6:09 PM	06/06/2019 6:35 PM	0 Hours, 26 Minutes	CPS Energy	TRE	Texas: Bexar County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		55017
2019	6	06/07/2019 2:43 PM	06/07/2019 4:20 PM	1 Hours, 37 Minutes	American Electric Power - Texas	TRE	Texas: Pecos County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	8	1
2019	6	06/08/2019 3:50 PM	06/08/2019 7:40 PM	3 Hours, 50 Minutes	Southwestern Public Service	TRE	Texas: Potter County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	0	0
2019	6	06/09/2019 2:45 PM	06/13/2019 10:30 PM	103 Hours, 45 Minutes	Oncor Electric Delivery Company LLC	TRE	Texas: Collin County, Dallas County, Denton County, Palo Pinto County, Tarrant County, Ellis County, Williamson County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		558000
2019	6	06/12/2019 2:56 PM	06/12/2019 3:50 PM	0 Hours, 54 Minutes	Imperial Irrigation District	WECC	California: Imperial County, Riverside County;	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Generation Inadequacy	982	30907
2019	6	06/16/2019 2:00 AM	06/17/2019 11:59 PM	45 Hours, 59 Minutes	Oncor Electric Delivery Company LLC	TRE	Texas: Dallas County, Tarrant County, Collin County, Denton County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		340000
2019	6	06/16/2019 3:25 AM	. .	. Hours, . Minutes	American Electric Power - (SPP Reliability Region)	SPP RE	Oklahoma:	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Severe Weather/Transmission Interruption		
2019	6	06/19/2019 10:30 PM	06/20/2019 7:00 PM	20 Hours, 30 Minutes	Entergy Corp	SPP RE	Arkansas:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		82045
2019	6	06/20/2019 4:11 PM	06/21/2019 12:45 PM	20 Hours, 34 Minutes	Dominion Energy VA	SERC	Virginia:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		60000
2019	6	06/21/2019 7:15 PM	. .	. Hours, . Minutes	Tennessee Valley Authority	SERC	Kentucky: Tennessee:	Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blocked out area or within the partial failure of an integrated electrical system.-Severe Weather		50000
2019	6	06/22/2019 8:46 PM	06/23/2019 12:30 AM	3 Hours, 44 Minutes	Southern Company	SERC	Alabama: Georgia:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	115	34637
2019	6	06/23/2019 5:13 AM	06/23/2019 10:58 AM	5 Hours, 45 Minutes	Entergy - Transmission Operations Engineering	SPP RE	Arkansas:	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	47	16199
2019	6	06/23/2019 10:00 PM	06/25/2019 11:00 PM	49 Hours, 0 Minutes	Oncor Electric Delivery Company LLC	TRE	Texas: Dallas County, Denton County, Ellis County, Collin County, Ellis County, Hood County, Johnson County, Kaufman County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		265000
2019	6	06/24/2019 5:30 AM	06/24/2019 8:45 AM	3 Hours, 15 Minutes	Entergy Corp	SPP RE	Arkansas:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		56451
2019	6	06/26/2019 1:58 PM	06/26/2019 2:03 PM	0 Hours, 5 Minutes	Montana-Dakota Utilities Co	MRO	North Dakota: Williams County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	53	0
2019	6	06/28/2019 2:25 PM	. .	. Hours, . Minutes	Bonneville Power Administration	WECC	Idaho: Nez Perce County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	0	0
2019	6	06/30/2019 3:15 PM	06/30/2019 4:15 PM	1 Hours, 0 Minutes	Long Island Power Authority	NPCC	New York: Nassau County, Suffolk County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	3189	52498

Table B.2 Major Disturbances and Unusual Occurrences, 2019

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
2019	6	06/30/2019 3:30 PM	06/30/2019 8:30 PM	5 Hours, 0 Minutes	ComEd	SERC	Illinois: Cook County, DeKalb County, DuPage County, Grundy County, Iroquois County, Ford County, Lake County, Kendall County, Kankakee County, Kane County, Ogle County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		100000
2019	7	07/10/2019 12:10 PM	07/12/2019 12:30 PM	48 Hours, 20 Minutes	Oncor Electric Delivery Company LLC	TRE	Texas: Collin County, Dallas County, Denton County, Hood County, Johnson County, Tarrant County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		57000
2019	7	07/11/2019 11:08 AM	07/11/2019 11:13 AM	0 Hours, 5 Minutes	Southwestern Public Service	TRE	Texas: Lynn County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	26	2043
2019	7	07/13/2019 7:15 AM	07/14/2019 5:00 PM	33 Hours, 45 Minutes	Entergy Corp	SERC	Louisiana:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		55730
2019	7	07/13/2019 6:47 PM	07/13/2019 11:37 PM	4 Hours, 50 Minutes	NYISO	NPCC	New York: New York County;	Uncontrolled loss of 300 Megawatts or more of firm system loads for 15 minutes or more from a single incident-Transmission Interruption	452	72669
2019	7	07/13/2019 11:55 PM	07/14/2019 1:00 PM	13 Hours, 5 Minutes	Cleco Power LLC	SERC	Louisiana: Acadia Parish, Avoyelles Parish, Catahoula Parish, Evangeline Parish, Grant Parish, Iberia Parish, LaSalle Parish, Natchitoches Parish, Rapides Parish, Sabine Parish, St. Landry Parish, St. Martin Parish, St. Mary Parish, St. Tammany Parish, Allen Parish, Beauregard Parish, Calcasieu Parish, Vermilion Parish, De Soto Parish, Jefferson Davis Parish, Red River Parish, Tangipahoa Parish, V	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		63000
2019	7	07/19/2019 7:00 PM	07/21/2019 8:00 PM	49 Hours, 0 Minutes	Detroit Edison Co	RF	Michigan:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		400000
2019	7	07/20/2019 3:00 AM	07/22/2019 7:00 AM	52 Hours, 0 Minutes	Consumers Energy Co	RF	Michigan: Kent County, Newaygo County, Mecosta County, Montcalm County, Isabella County, Ionia County, Allegan County, Barry County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		160000
2019	7	07/20/2019 11:55 AM	07/23/2019 12:00 AM	60 Hours, 5 Minutes	WEC Energy Group (WEPCO, WPSC, UMERC, WEP-MIUP)	RF	Wisconsin: Michigan:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	200	50000
2019	7	07/21/2019 11:00 PM	07/22/2019 8:54 PM	21 Hours, 54 Minutes	Consolidated Edison Co-NY Inc	NPCC	New York: Kings County, New York County, Queens County, Bronx County, Westchester County, Richmond County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	60	45000
2019	7	07/22/2019 4:00 PM	07/24/2019 11:00 PM	55 Hours, 0 Minutes	PECO Energy Co	RF	Pennsylvania: Bucks County, Delaware County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		165000
2019	7	07/22/2019 5:50 PM	07/25/2019 1:15 PM	67 Hours, 25 Minutes	Public Service Electric & Gas	RF	New Jersey: Gloucester County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	49	95600
2019	7	07/23/2019 3:39 PM	07/23/2019 7:00 PM	3 Hours, 21 Minutes	ISO New England	NPCC	Massachusetts:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	54	54535
2019	7	07/23/2019 11:55 PM	07/23/2019 11:56 PM	0 Hours, 1 Minutes	Nebraska Public Power District	MRO	Nebraska:	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	0	0
2019	7	07/23/2019 11:55 PM	07/24/2019 5:22 AM	5 Hours, 27 Minutes	Western Area Power Administration - Upper Great Plains Region	MRO	Nebraska: Scotts Bluff County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	0	0
2019	7	07/30/2019 8:45 AM	07/30/2019 9:45 AM	1 Hours, 0 Minutes	City of Alexandria	SERC	Louisiana:	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Severe Weather/Transmission Interruption		13720
2019	8	08/02/2019 1:49 AM	08/02/2019 1:55 AM	0 Hours, 6 Minutes	Northern States Power Co	MRO	Minnesota: Chisago County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	0	0

Table B.2 Major Disturbances and Unusual Occurrences, 2019

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
2019	8	08/05/2019 5:23 PM	08/06/2019 12:02 AM	6 Hours, 39 Minutes	Bonneville Power Administration	WECC	Oregon: Umatilla County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	66	
2019	8	08/08/2019 4:16 PM	08/08/2019 10:41 PM	6 Hours, 25 Minutes	American Electric Power - (RFC Reliability Region)	RF	Ohio:	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Severe Weather/Transmission Interruption		5600
2019	8	08/13/2019 10:00 AM	08/13/2019 11:00 AM	1 Hours, 0 Minutes	Rio Bravo Rocklin	WECC	California: Placer County;	Uncontrolled loss of 300 Megawatts or more of firm system loads for 15 minutes or more from a single incident.-Vandalism	0	0
2019	8	08/13/2019 3:10 PM	08/13/2019 5:30 PM	2 Hours, 20 Minutes	ERCOT	TRE	Texas: Williamson County;	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather		
2019	8	08/15/2019 8:30 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	150	
2019	8	08/15/2019 3:11 PM	08/15/2019 6:00 PM	2 Hours, 49 Minutes	ERCOT	TRE	Texas:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather		
2019	8	08/15/2019 11:03 PM	08/16/2019 12:37 AM	1 Hours, 34 Minutes	Pacific Gas & Electric Co	WECC	California: Marin County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Distribution Interruption	80	61318
2019	8	08/18/2019 3:59 PM	08/18/2019 11:00 PM	7 Hours, 1 Minutes	Southwest Power Pool, Inc.	SPP RE	Louisiana: Texas:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Transmission Interruption	271	86373
2019	8	08/18/2019 4:30 PM	08/18/2019 10:00 PM	5 Hours, 30 Minutes	East Texas Electric Coop, Inc	TRE	Texas:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Transmission Interruption/Distribution Interruption	259	61000
2019	8	08/18/2019 4:47 PM	08/18/2019 11:00 PM	6 Hours, 13 Minutes	American Electric Power - (SPP Reliability Region)	TRE	Texas:	Uncontrolled loss of 300 Megawatts or more of firm system loads for 15 minutes or more from a single incident-Distribution Interruption	752	86373
2019	8	08/26/2019 9:09 AM	08/26/2019 1:34 PM	4 Hours, 25 Minutes	Great River Energy	MRO	North Dakota:	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	0	0
2019	8	08/26/2019 7:00 PM	08/27/2019 3:00 AM	8 Hours, 0 Minutes	Southwest Power Pool, Inc.	SPP RE	Oklahoma:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather/Transmission Interruption		95000
2019	8	08/26/2019 7:00 PM	08/29/2019 1:00 PM	66 Hours, 0 Minutes	Oklahoma Gas & Electric Co	SPP RE	Oklahoma:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		103779
2019	9	09/04/2019 2:30 PM	09/06/2019 6:00 PM	51 Hours, 30 Minutes	ERCOT	TRE	Texas:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather		
2019	9	09/05/2019 4:15 AM	09/05/2019 3:17 PM	11 Hours, 2 Minutes	Dominion Energy South Carolina	SERC	South Carolina:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		172278
2019	9	09/05/2019 10:00 PM	09/06/2019 12:00 PM	14 Hours, 0 Minutes	North Carolina El Member Corp	SERC	North Carolina:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	3	2000
2019	9	09/05/2019 10:36 PM	09/06/2019 4:00 PM	17 Hours, 24 Minutes	Duke Energy Progress	SERC	North Carolina: South Carolina:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		116000
2019	9	09/06/2019 8:20 AM	. .	. Hours, . Minutes	Dominion Energy VA	SERC	North Carolina:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		77000
2019	9	09/10/2019 9:22 PM	09/10/2019 9:23 PM	0 Hours, 1 Minutes	Pacificorp	WECC	Wyoming: Sweetwater County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	885	0
2019	9	09/11/2019 10:35 PM	09/11/2019 11:59 PM	1 Hours, 24 Minutes	Consumers Energy Co	RF	Michigan: Ionia County, Kent County, Barry County, Montcalm County, Allegan County, Ottawa County, Newaygo County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		54000
2019	9	09/19/2019 5:55 AM	09/19/2019 2:30 PM	8 Hours, 35 Minutes	Tucson Electric Power	WECC	Arizona: Pima 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, 2019

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
2019	9	09/25/2019 3:47 AM	09/25/2019 3:40 PM	11 Hours, 53 Minutes	Pacific Gas & Electric Co	WECC	California: Napa County, Nevada County, Placer County, Plumas County, Sonoma County, Butte County, Yuba County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	25	69524
2019	9	09/29/2019 7:38 AM	. .	. Hours, . Minutes	Pacific Gas & Electric Co	WECC	California: Alameda County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Distribution Interruption		50072
2019	10	10/04/2019 5:15 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
2019	10	10/06/2019 5:15 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
2019	10	10/06/2019 2:50 PM	10/06/2019 3:00 PM	0 Hours, 10 Minutes	American Electric Power - Texas	TRE	Texas: Hidalgo County, Cameron County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption		
2019	10	10/09/2019 12:27 AM	. .	. 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/Transmission Interruption	2400	737808
2019	10	10/12/2019 3:00 PM	10/12/2019 4:21 PM	1 Hours, 21 Minutes	American Electric Power - Texas	TRE	Texas:	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	0	0
2019	10	10/15/2019 3:19 AM	10/15/2019 6:38 AM	3 Hours, 19 Minutes	FirstEnergy Corp	RF	Ohio:	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	0	0
2019	10	10/17/2019 12:45 AM	10/19/2019 9:30 AM	56 Hours, 45 Minutes	ISO New England	NPCC	Connecticut: Rhode Island: Massachusetts: Vermont: New Hampshire: Maine:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		101683
2019	10	10/19/2019 5:57 AM	10/19/2019 1:58 PM	8 Hours, 1 Minutes	Western Area Power Administration - Upper Great Plains Region	MRO	South Dakota: Codington County; Nebraska: Scotts Bluff County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	0	0
2019	10	10/20/2019 10:15 PM	10/25/2019 2:00 AM	99 Hours, 45 Minutes	Oncor Electric Delivery Company LLC	TRE	Texas: Cass County, Cameron County, Collin County, Dallas County, Ellis County, Erath County, Hunt County, Kaufman County, Lamar County, Panola County, Rains County, Rockwall County, Rusk County, Tarrant County, Van Zandt County, Wood County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		400000
2019	10	10/23/2019 2:36 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/Transmission Interruption		50000
2019	10	10/24/2019 5:15 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
2019	10	10/24/2019 5:02 PM	10/24/2019 5:09 PM	0 Hours, 7 Minutes	FirstEnergy Corp	RF	Ohio: Lorain County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	0	0
2019	10	10/26/2019 5:15 AM	10/26/2019 5:31 PM	12 Hours, 16 Minutes	Entergy Corp	SERC	Louisiana:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		82124
2019	10	10/26/2019 6:00 PM	. .	. Hours, . Minutes	Tennessee Valley Authority	SERC	Tennessee:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		70000
2019	10	10/26/2019 6:20 PM	10/31/2019 1:27 AM	103 Hours, 7 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	3190	972000
2019	10	10/30/2019 6:32 AM	11/01/2019 1:29 PM	54 Hours, 57 Minutes	Southern California Edison Co	WECC	California: Los Angeles County, Orange County, Riverside County, San Bernardino County, Ventura County, Kern County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather/Distribution Interruption	285	114402
2019	10	10/31/2019 10:00 PM	. .	. Hours, . Minutes	Exelon Corporation/PECO	RF	Pennsylvania:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather/Distribution Interruption		53943
2019	11	11/01/2019 1:00 AM	11/03/2019 1:00 PM	60 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		8000

Table B.2 Major Disturbances and Unusual Occurrences, 2019

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
2019	11	11/01/2019 1:15 AM	11/02/2019 9:30 PM	44 Hours, 15 Minutes	ISO New England	NPCC	Connecticut: Maine: Massachusetts: Rhode Island: New Hampshire: Vermont:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		80066
2019	11	11/01/2019 2:41 AM	. .	. Hours, . Minutes	New York State Electric & Gas	NPCC	New York: Broome County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather		66325
2019	11	11/03/2019 10:17 PM	11/04/2019 11:10 AM	12 Hours, 53 Minutes	Northern States Power Co	MRO	Minnesota: Sherburne County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	0	0
2019	11	11/05/2019 8:56 AM	11/05/2019 11:51 AM	2 Hours, 55 Minutes	JEA	FRCC	Florida: Duval County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	1500	
2019	11	11/08/2019 5:50 AM	11/08/2019 6:10 AM	0 Hours, 20 Minutes	Pacificorp	WECC	Utah: California: Oregon: Wyoming:	Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blocked out area or within the partial failure of an integrated electrical system.-System Operations	72	
2019	11	11/20/2019 9:49 AM	11/20/2019 3:20 PM	5 Hours, 31 Minutes	Pacific Gas & Electric Co	WECC	California: Colusa County, Lake County, Mendocino County, Napa County, Solano County, Sonoma County, Yolo County, Shasta County, Tehama County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather/Transmission Interruption	178	54000
2019	11	11/26/2019 6:07 PM	11/27/2019 12:27 PM	18 Hours, 20 Minutes	Pacific Gas & Electric Co	WECC	California:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	300	93000
2019	11	11/27/2019 12:00 PM	11/30/2019 2:00 AM	62 Hours, 0 Minutes	Detroit Edison Co	RF	Michigan: Tuscola County, Sanilac County, Huron County, St. Clair County, Macomb County, Oakland County, Wayne County, Livingston County, Washtenaw County, Monroe County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	30	107000
2019	12	12/11/2019 1:27 PM	12/11/2019 1:51 PM	0 Hours, 24 Minutes	Western Area Power Administration - Upper Great Plains Region	MRO	North Dakota: Burleigh County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	18	1
2019	12	12/16/2019 11:55 PM	12/17/2019 1:47 AM	1 Hours, 52 Minutes	American Electric Power - Texas	TRE	Texas:	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	0	0
2019	12	12/31/2019 11:03 AM	01/01/2020 10:59 AM	23 Hours, 56 Minutes	American Electric Power - Texas	TRE	Texas: Nueces County;	Electrical System Separation (Islanding) where part or parts of power grid remain(s) operational in an otherwise blocked out area or within the partial failure of an integrated electrical system.-Transmission Interruption	25	0

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

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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

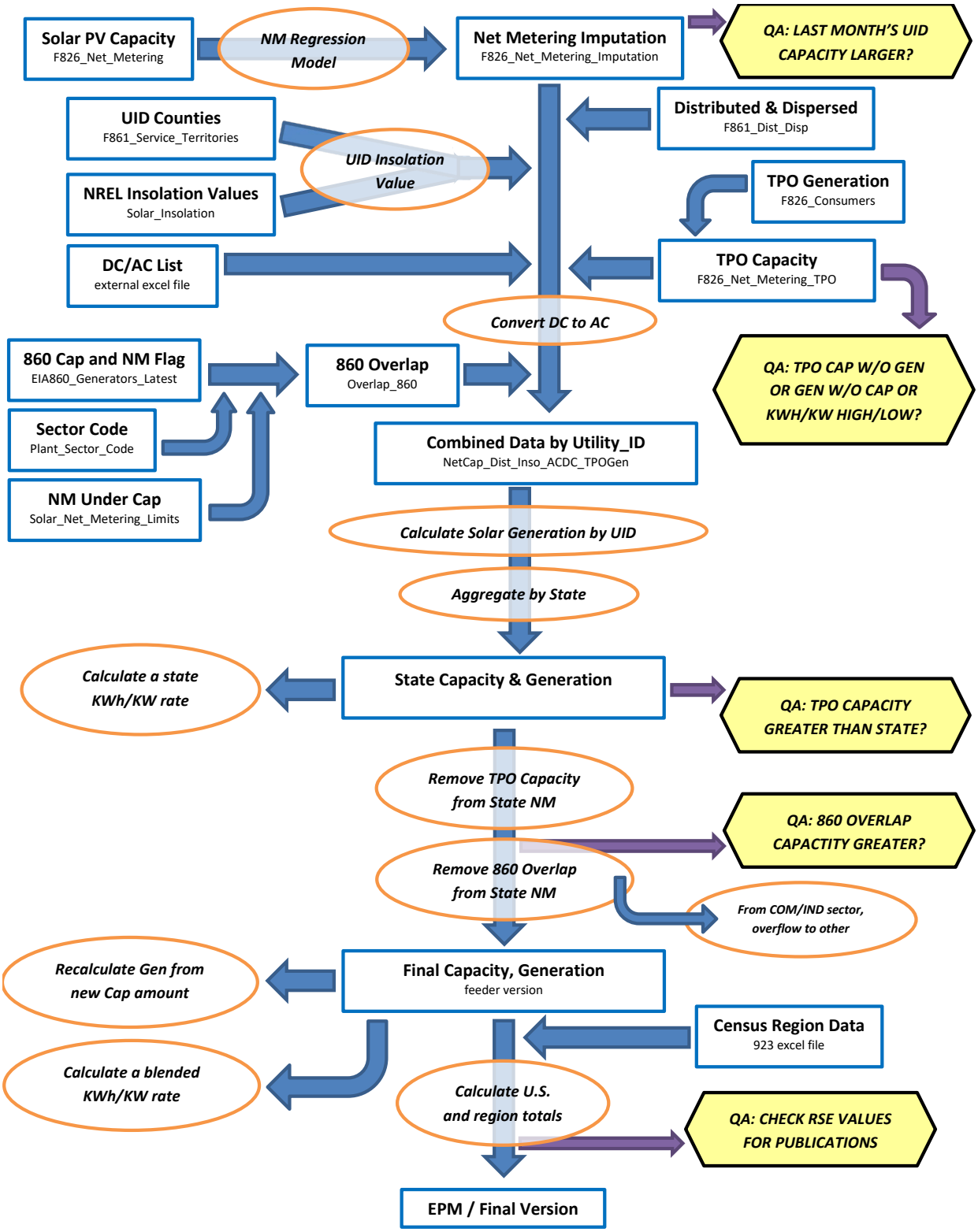
TMY3 (1991-2005) Weather Stations by MSA

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 2020

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	24.80	6.12	--	1.03
Connecticut	--	5.80	--	1.03
Maine	24.80	6.25	--	1.05
Massachusetts	--	--	--	1.03
New Hampshire	--	5.80	--	1.04
Rhode Island	--	--	--	1.03
Vermont	--	--	--	--
Middle Atlantic	20.96	5.95	--	1.04
New Jersey	25.85	--	--	1.04
New York	--	5.78	--	1.03
Pennsylvania	20.82	5.96	--	1.04
East North Central	20.47	5.79	27.54	1.05
Illinois	17.68	5.80	--	1.01
Indiana	21.92	5.75	--	1.05
Michigan	18.75	5.85	27.55	1.06
Ohio	24.94	5.79	--	1.06
Wisconsin	17.84	5.81	27.49	1.03
West North Central	16.57	5.80	--	1.07
Iowa	17.57	5.71	--	1.09
Kansas	17.20	5.81	--	1.02
Minnesota	17.80	5.86	--	1.09
Missouri	17.75	5.78	--	1.03
Nebraska	17.10	--	--	1.06
North Dakota	12.95	5.88	--	1.00
South Dakota	16.51	--	--	--
South Atlantic	23.92	5.88	27.83	1.03
Delaware	--	--	--	1.04
District of Columbia	--	--	--	--
Florida	23.71	5.87	27.83	1.03
Georgia	20.19	5.86	--	1.03
Maryland	23.62	5.83	--	1.04
North Carolina	24.58	5.81	--	1.03
South Carolina	24.60	5.97	--	1.03
Virginia	18.57	6.20	--	1.05
West Virginia	25.27	5.81	--	1.08
East South Central	20.35	5.79	--	1.02
Alabama	18.19	5.82	--	1.03
Kentucky	22.32	5.80	--	1.03
Mississippi	11.06	5.82	--	1.03
Tennessee	23.39	5.77	--	1.01
West South Central	16.11	5.79	28.84	1.03
Arkansas	17.54	5.89	--	1.03
Louisiana	17.28	--	28.84	1.03
Oklahoma	17.28	6.00	--	1.04
Texas	15.68	5.71	--	1.02
Mountain	18.61	5.72	--	1.05
Arizona	18.04	5.73	--	1.03
Colorado	18.50	--	--	1.11
Idaho	--	--	--	1.00
Montana	16.64	5.92	--	1.04
Nevada	18.03	5.83	--	1.05
New Mexico	18.46	5.66	--	1.02
Utah	21.76	5.68	--	1.05
Wyoming	17.45	5.80	--	1.05
Pacific Contiguous	17.22	6.00	--	1.04
California	22.98	--	--	1.03
Oregon	17.17	--	--	1.05
Washington	16.67	6.00	--	1.10
Pacific Noncontiguous	18.38	6.12	--	1.00
Alaska	14.57	5.60	--	1.00
Hawaii	20.48	6.12	--	--
U.S. Total	18.85	6.04	28.35	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, 2016 through 2018

	Mean Absolute Value of Percent Change Total (All Sectors)		
Item	**2016**	**2017**	**2018**
Net Generation			
Coal	0.09%	0.17%	0.42%
Petroleum Liquids	3.08%	3.41%	2.56%
Petroleum Coke	1.46%	5.79%	5.97%
Natural Gas	0.30%	1.94%	1.10%
Other Gases	3.76%	11.64%	10.59%
Hydroelectric	0.76%	2.01%	2.37%
Nuclear	0.05%	0.00%	0.00%
Other	0.76%	1.33%	1.67%
Total	**0.08%**	**0.56%**	**0.29%**
Consumption of Fossil Fuels for Electricity Generation			
Coal	0.11%	0.13%	0.17%
Petroleum Liquids	5.81%	3.39%	5.23%
Petroleum Coke	0.87%	4.95%	10.63%
Natural Gas	2.26%	1.09%	0.79%
Fuel Stocks for Electric Power Sector			
Coal	0.72%	0.18%	0.09%
Petroleum Liquids	3.19%	1.92%	5.28%
Petroleum Coke	0.27%	14.42%	2.29%
Retail Sales			
Residential	0.26%	0.31%	0.34%
Commercial	0.55%	0.28%	0.37%
Industrial	4.31%	4.00%	5.02%
Transportation	0.06%	0.12%	0.95%
Total	**1.40%**	**1.12%**	**1.53%**
Revenue			
Residential	0.28%	0.26%	0.21%
Commercial	1.21%	0.28%	0.49%
Industrial	4.54%	3.52%	4.76%
Transportation	1.53%	0.21%	1.63%
Total	**1.34%**	**0.57%**	**1.04%**
Average Retail Price			
Residential	0.05%	0.21%	0.16%
Commercial	0.65%	0.20%	0.16%
Industrial	0.24%	0.51%	0.38%
Transportation	1.57%	0.20%	0.80%
Total	**0.10%**	**0.53%**	**0.48%**
Receipt of Fossil Fuels			
Coal	1.92%	1.30%	0.33%
Petroleum Liquids	1.16%	3.18%	11.02%
Petroleum Coke	0.01%	0.00%	0.00%
Natural Gas	0.21%	19.49%	8.23%
Cost of Fossil Fuels			
Coal	0.12%	0.83%	0.24%
Petroleum Liquids	0.26%	0.34%	1.04%
Petroleum Coke	0.12%	0.00%	0.00%
Natural Gas	0.12%	0.47%	0.54%

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, 2016 through 2018

	2016			2017			2018		
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	1,240,108	1,239,149	-0.08%	1,207,901	1,205,835	-0.17%	1,146,393	1,149,487	0.27%
Petroleum Liquids	12,675	13,008	2.63%	12,583	12,414	-1.34%	15,742	16,245	3.19%
Petroleum Coke	11,232	11,197	-0.31%	8,508	8,976	5.50%	8,830	8,981	1.71%
Natural Gas	1,380,295	1,378,307	-0.14%	1,272,864	1,296,442	1.85%	1,468,013	1,468,932	0.06%
Other Gases	13,000	12,807	-1.48%	14,159	12,469	-11.94%	12,191	13,463	10.43%
Hydroelectric	259,143	261,126	0.77%	293,550	293,838	0.10%	285,819	286,619	0.28%
Nuclear	805,327	805,694	0.05%	804,950	804,950	0.00%	807,078	807,084	0.00%
Other	357,299	355,387	-0.54%	400,289	399,346	-0.24%	433,744	427,265	-1.49%
Total	**4,079,079**	**4,076,675**	**-0.06%**	**4,014,804**	**4,034,271**	**0.48%**	**4,177,810**	**4,178,077**	**0.01%**
Consumption of Fossil Fuels for Electricity Generation									
Coal (1,000 tons)	678,005	677,371	-0.09%	663,479	663,911	0.07%	635,833	636,213	0.06%
Petroleum Liquids (1,000 barrels)	21,225	22,405	5.56%	21,935	21,696	-1.09%	27,245	28,614	5.02%
Petroleum Coke (1,000 tons)	4,275	4,253	-0.52%	3,349	3,490	4.21%	3,311	3,623	9.40%
Natural Gas (1,000 Mcf)	10,400,189	10,170,110	-2.21%	9,440,777	9,508,062	0.71%	10,855,155	10,831,757	-0.22%
Fuel Stocks for Electric Power Sector									
Coal (1,000 tons)	163,946	162,009	-1.18%	137,155	137,687	0.39%	102,786	103,043	0.25%
Petroleum Liquids (1,000 barrels)	30,880	31,839	3.11%	28,723	29,279	1.94%	25,082	27,324	8.94%
Petroleum Coke (1,000 tons)	872	845	-3.10%	1,113	864	-22.42%	541	539	-0.27%
Retail Sales (Million kWh)									
Residential	1,407,394	1,411,058	0.26%	1,378,819	1,378,648	-0.01%	1,464,373	1,469,093	0.32%
Commercial	1,359,617	1,367,191	0.56%	1,349,208	1,352,888	0.27%	1,376,741	1,381,755	0.36%
Industrial	936,269	976,715	4.32%	946,443	984,298	4.00%	953,076	1,000,673	4.99%
Transportation	7,499	7,497	-0.03%	7,524	7,523	-0.02%	7,738	7,665	-0.94%
Total	**3,710,779**	**3,762,462**	**1.39%**	**3,681,995**	**3,723,356**	**1.12%**	**3,801,928**	**3,859,185**	**1.51%**
Revenue (Million Dollars)									
Residential	176,585	177,077	0.28%	177,860	177,661	-0.11%	188,742	189,033	0.15%
Commercial	140,937	142,643	1.21%	144,108	144,242	0.09%	146,696	147,425	0.50%
Industrial	63,201	66,068	4.54%	65,394	67,691	3.51%	66,090	69,218	4.73%
Transportation	711	722	1.53%	727	728	0.15%	756	744	-1.65%
Total	**381,435**	**386,509**	**1.33%**	**388,089**	**390,322**	**0.58%**	**402,283**	**406,420**	**1.03%**
Average Retail Price (Cents/kWh)									
Residential	12.55	12.55	0.02%	12.90	12.89	-0.10%	12.89	12.87	-0.17%
Commercial	10.37	10.43	0.65%	10.68	10.66	-0.18%	10.66	10.67	0.13%
Industrial	6.75	6.76	0.21%	6.91	6.88	-0.47%	6.93	6.92	-0.25%
Transportation	9.48	9.63	1.55%	9.67	9.68	0.17%	9.77	9.70	-0.71%
Total	**10.28**	**10.27**	**-0.06%**	**10.54**	**10.48**	**-0.54%**	**10.58**	**10.53**	**-0.47%**
Receipt of Fossil Fuels									
Coal (1,000 tons)	638,564	650,770	1.91%	634,118	642,364	1.30%	594,683	596,215	0.26%
Petroleum Liquids (1,000 barrels)	16,610	16,807	1.18%	15,619	16,127	3.25%	19,717	22,290	13.05%
Petroleum Coke (1,000 tons)	4,166	4,166	0.01%	3,309	3,309	0.00%	3,010	3,010	0.00%
Natural Gas (1,000 Mcf)	10,258,688	10,271,180	0.12%	8,050,520	9,628,733	19.60%	10,039,232	10,885,764	8.43%
Cost of Fossil Fuels (Dollars per Million Btu)									
Coal (1,000 tons)	2.12	2.11	-0.15%	2.08	2.06	-0.87%	2.06	2.06	-0.22%
Petroleum Liquids (1,000 barrels)	9.36	9.39	0.28%	11.82	11.86	0.36%	14.24	14.40	1.16%
Petroleum Coke (1,000 tons)	1.65	1.65	0.15%	2.13	2.13	0.00%	2.54	2.54	0.00%
Natural Gas (1,000 Mcf)	2.88	2.87	-0.06%	3.39	3.37	-0.55%	3.55	3.55	0.03%

Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and synthetic coal. Coal stocks exclude waste coal.
Petroleum Liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.
Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately. Excludes blast furnace gas and other gases.
Hydroelectric includes conventional hydroelectric and hydroelectric pumped storage facilities.
Other generation includes geothermal, wood, waste, wind, and solar, batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.
Fuel Stocks are end-of-year values.
See technical notes (http://www.eia.gov/cneaf/electricity/epm/appenc.pdf) for additional information on the Commercial, Industrial and Transportation sectors.
Cost of Fossil Fuels represent weighted values.
Notes: The average revenue per kilowatthour is calculated by dividing revenue by sales. Totals may not equal sum of components because of independent rounding.
Percent changes refer to the difference between the preliminary data published in the Electric Power Monthly (EPM) and the final data published in the EPM. Values for 2018 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.