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U.S. Energy Information Administration

Electric Power Monthly
with Data for January 2021

Table B.1, Major Disturbances and Unusual Occurrences, Year-to-Date 2021, was not updated with January 2021 data as January data were not available at the time of publication.

March 2021

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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

Table ES1.A. Total Electric Power Industry Summary Statistics, 2021 and 2020

Net Generation and Consumption of Fuels for January														
		Total (All Sectors)			Electric Power Sector				Commercial		Industrial		Residential	
					Electric Utilities		Independent Power Producers							
Fuel	Facility Type	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
Net Generation (Thousand Megawatthours)														
Coal	Utility Scale Facilities	81,806	65,100	25.7%	60,524	48,388	20,816	16,160	25	22	440	530	0	0
Petroleum Liquids	Utility Scale Facilities	886	950	-6.7%	692	787	157	121	10	10	27	33	0	0
Petroleum Coke	Utility Scale Facilities	703	662	6.3%	538	493	117	112	0	2	48	54	0	0
Natural Gas	Utility Scale Facilities	125,323	133,158	-5.9%	60,140	65,176	55,910	58,122	685	751	8,588	9,108	0	0
Other Gas	Utility Scale Facilities	985	1,105	-10.9%	-1	0	327	354	0	0	659	752	0	0
Nuclear	Utility Scale Facilities	71,832	74,170	-3.2%	39,472	40,721	32,361	33,448	0	0	0	0	0	0
Hydroelectric Conventional	Utility Scale Facilities	26,159	25,332	3.3%	24,015	23,024	2,032	2,198	NM	NM	92	93	0	0
Renewable Sources Excluding Hydroelectric	Utility Scale Facilities	42,437	39,485	7.5%	5,984	5,097	33,786	31,742	287	275	2,380	2,371	0	0
... Wind	Utility Scale Facilities	30,427	28,547	6.6%	4,814	4,169	25,504	24,351	15	18	94	9	0	0
... Solar Thermal and Photovoltaic	Utility Scale Facilities	5,732	4,657	23.1%	771	552	4,918	4,064	35	36	8	5	0	0
... Wood and Wood-Derived Fuels	Utility Scale Facilities	3,253	3,345	-2.8%	218	223	813	830	10	7	2,212	2,284	0	0
... Other Biomass	Utility Scale Facilities	1,620	1,671	-3.1%	103	100	1,268	1,322	183	177	66	72	0	0
... Geothermal	Utility Scale Facilities	1,404	1,265	11.0%	77	54	1,283	1,176	44	35	0	0	0	0
Hydroelectric Pumped Storage	Utility Scale Facilities	-424	-377	12.6%	-340	-325	-85	-52	0	0	0	0	0	0
Other Energy Sources	Utility Scale Facilities	1,108	1,084	2.2%	42	41	604	608	94	91	368	344	0	0
All Energy Sources	Utility Scale Facilities	350,815	340,669	3.0%	191,068	183,402	146,025	142,815	1,121	1,167	12,602	13,284	0	0
Estimated Small Scale Solar Photovoltaic	Small Scale Facilities	2,749	2,313	18.8%	0	0	0	0	861	736	216	192	1,671	1,385
Estimated Total Solar Photovoltaic	All Facilities	8,401	6,854	22.6%	770	550	4,839	3,950	897	772	224	197	1,671	1,385
Estimated Total Solar	All Facilities	8,481	6,970	21.7%	771	552	4,918	4,064	897	772	224	197	1,671	1,385
Consumption of Fossil Fuels for Electricity Generation														
Coal (1000 tons)	Utility Scale Facilities	45,412	36,773	23.5%	33,413	27,295	11,842	9,284	7	6	150	187	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	1,633	1,777	-8.1%	1,299	1,484	285	237	23	22	26	34	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	268	261	2.5%	211	204	44	42	0	0	12	15	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	892,055	958,029	-6.9%	443,375	488,592	390,408	409,177	4,373	4,720	53,899	55,539	0	0
Consumption of Fossil Fuels for Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	1,021	1,060	-3.7%	179	157	64	70	42	35	736	797	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	158	134	18.2%	2	4	25	9	36	26	95	94	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	72	75	-3.5%	1	1	12	9	0	2	59	62	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	108,764	110,430	-1.5%	3,963	3,952	28,654	29,600	7,306	7,489	68,842	69,389	0	0
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	46,433	37,833	22.7%	33,592	27,453	11,905	9,355	49	41	886	984	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	1,791	1,911	-6.3%	1,302	1,489	310	246	58	48	121	128	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	340	336	1.2%	212	205	56	51	0	2	72	77	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	1,000,820	1,068,459	-6.3%	447,338	492,544	419,062	438,777	11,679	12,209	122,740	124,928	0	0
Fuel Stocks (end-of-month)														
Coal (1000 tons)	Utility Scale Facilities	125,871	135,193	-6.9%	101,786	108,441	23,612	25,911	66	81	407	760	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	27,165	26,858	1.1%	15,560	16,014	9,890	9,105	375	407	1,341	1,332	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	286	684	-58.2%	250	503	3	5	3	2	30	174	0	0

Sales, Revenue, and Average Price of Electricity to Ultimate Customers for January									
	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	January 2021	January 2020	Percentage Change	January 2021	January 2020	Percentage Change	January 2021	January 2020	Percentage Change
Residential	137,243	124,413	10.3%	17,414	15,910	9.5%	12.69	12.79	-0.8%
Commercial	104,192	108,903	-4.3%	10,739	11,144	-3.6%	10.31	10.23	0.8%
Industrial	79,222	77,339	2.4%	5,030	4,900	2.7%	6.35	6.34	0.2%
Transportation	563	664	-15.3%	54	64	-15.5%	9.64	9.67	-0.3%
All Sectors	321,219	311,318	3.2%	33,237	32,018	3.8%	10.35	10.28	0.7%

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 2021 and 2020

Net Generation and Consumption of Fuels for January														
		Total (All Sectors)			Electric Power Sector				Commercial		Industrial		Residential	
					Electric Utilities		Independent Power Producers							
Fuel	Facility Type	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD
Net Generation (Thousand Megawatthours)														
Coal	Utility Scale Facilities	81,806	65,100	25.7%	60,524	48,388	20,816	16,160	25	22	440	530	0	0
Petroleum Liquids	Utility Scale Facilities	886	950	-6.7%	692	787	157	121	10	10	27	33	0	0
Petroleum Coke	Utility Scale Facilities	703	662	6.3%	538	493	117	112	0	2	48	54	0	0
Natural Gas	Utility Scale Facilities	125,323	133,158	-5.9%	60,140	65,176	55,910	58,122	685	751	8,588	9,108	0	0
Other Gas	Utility Scale Facilities	985	1,105	-10.9%	-1	0	327	354	0	0	659	752	0	0
Nuclear	Utility Scale Facilities	71,832	74,170	-3.2%	39,472	40,721	32,361	33,448	0	0	0	0	0	0
Hydroelectric Conventional	Utility Scale Facilities	26,159	25,332	3.3%	24,015	23,024	2,032	2,198	NM	NM	92	93	0	0
Renewable Sources Excluding Hydroelectric	Utility Scale Facilities	42,437	39,485	7.5%	5,984	5,097	33,786	31,742	287	275	2,380	2,371	0	0
... Wind	Utility Scale Facilities	30,427	28,547	6.6%	4,814	4,169	25,504	24,351	15	18	94	9	0	0
... Solar Thermal and Photovoltaic	Utility Scale Facilities	5,732	4,657	23.1%	771	552	4,918	4,064	35	36	8	5	0	0
... Wood and Wood-Derived Fuels	Utility Scale Facilities	3,253	3,345	-2.8%	218	223	813	830	10	7	2,212	2,284	0	0
... Other Biomass	Utility Scale Facilities	1,620	1,671	-3.1%	103	100	1,268	1,322	183	177	66	72	0	0
... Geothermal	Utility Scale Facilities	1,404	1,265	11.0%	77	54	1,283	1,176	44	35	0	0	0	0
Hydroelectric Pumped Storage	Utility Scale Facilities	-424	-377	12.6%	-340	-325	-85	-52	0	0	0	0	0	0
Other Energy Sources	Utility Scale Facilities	1,108	1,084	2.2%	42	41	604	608	94	91	368	344	0	0
All Energy Sources	Utility Scale Facilities	350,815	340,669	3.0%	191,068	183,402	146,025	142,815	1,121	1,167	12,602	13,284	0	0
Estimated Small Scale Solar Photovoltaic	Small Scale Facilities	2,749	2,313	18.8%	0	0	0	0	861	736	216	192	1,671	1,385
Estimated Total Solar Photovoltaic	All Facilities	8,401	6,854	22.6%	770	550	4,839	3,950	897	772	224	197	1,671	1,385
Estimated Total Solar	All Facilities	8,481	6,970	21.7%	771	552	4,918	4,064	897	772	224	197	1,671	1,385
Consumption of Fossil Fuels for Electricity Generation														
Coal (1000 tons)	Utility Scale Facilities	45,412	36,773	23.5%	33,413	27,295	11,842	9,284	7	6	150	187	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	1,633	1,777	-8.1%	1,299	1,484	285	237	23	22	26	34	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	268	261	2.5%	211	204	44	42	0	0	12	15	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	892,055	958,029	-6.9%	443,375	488,592	390,408	409,177	4,373	4,720	53,899	55,539	0	0
Consumption of Fossil Fuels for Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	1,021	1,060	-3.7%	179	157	64	70	42	35	736	797	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	158	134	18.2%	2	4	25	9	36	26	95	94	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	72	75	-3.5%	1	1	12	9	0	2	59	62	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	108,764	110,430	-1.5%	3,963	3,952	28,654	29,600	7,306	7,489	68,842	69,389	0	0
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	46,433	37,833	22.7%	33,592	27,453	11,905	9,355	49	41	886	984	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	1,791	1,911	-6.3%	1,302	1,489	310	246	58	48	121	128	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	340	336	1.2%	212	205	56	51	0	2	72	77	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	1,000,820	1,068,459	-6.3%	447,338	492,544	419,062	438,777	11,679	12,209	122,740	124,928	0	0

Sales, Revenue, and Average Price of Electricity to Ultimate Customers for January									
	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	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	Percentage Change
Residential	137,243	124,413	10.3%	17,414	15,910	9.5%	12.69	12.79	-0.8%
Commercial	104,192	108,903	-4.3%	10,739	11,144	-3.6%	10.31	10.23	0.8%
Industrial	79,222	77,339	2.4%	5,030	4,900	2.7%	6.35	6.34	0.2%
Transportation	563	664	-15.3%	54	64	-15.5%	9.64	9.67	-0.3%
All Sectors	321,219	311,318	3.2%	33,237	32,018	3.8%	10.35	10.28	0.7%

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, 2021 and 2020

Total (All Sectors)										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
Coal (1000 tons)	37,425	43,170	36.36	36.77	208	217	37,425	43,170	36.36	36.77
Petroleum Liquids (1000 barrels)	1,149	896	66.56	82.71	111	120	1,149	896	66.56	82.71
Petroleum Coke (1000 tons)	190	295	73.95	43.68	5	5	190	295	73.95	43.68
Natural Gas (1000 Mcf)	859,755	900,881	3.30	2.72	564	561	859,755	900,881	3.30	2.72

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
Coal (1000 tons)	27,174	31,746	37.85	37.52	148	153	27,174	31,746	37.85	37.52
Petroleum Liquids (1000 barrels)	875	744	66.61	81.86	69	85	875	744	66.61	81.86
Petroleum Coke (1000 tons)	190	295	73.95	43.68	5	5	190	295	73.95	43.68
Natural Gas (1000 Mcf)	413,021	432,583	3.54	2.96	300	292	413,021	432,583	3.54	2.96

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
Coal (1000 tons)	9,721	10,808	31.43	33.69	47	51	9,721	10,808	31.43	33.69
Petroleum Liquids (1000 barrels)	238	125	65.95	88.13	32	27	238	125	65.95	88.13
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	--	--
Natural Gas (1000 Mcf)	377,108	397,879	3.06	2.45	219	224	377,108	397,879	3.06	2.45

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
Coal (1000 tons)	1	1	68.67	67.40	1	1	1	1	68.67	67.40
Petroleum Liquids (1000 barrels)	0	0	--	--	0	0	0	0	--	--
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	--	--
Natural Gas (1000 Mcf)	729	763	3.24	3.22	3	3	729	763	3.24	3.22

Industrial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
Coal (1000 tons)	529	614	49.69	51.68	12	12	529	614	49.69	51.68
Petroleum Liquids (1000 barrels)	37	27	69.01	81.13	10	8	37	27	69.01	81.13
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	--	--
Natural Gas (1000 Mcf)	68,897	69,655	2.92	2.44	42	42	68,897	69,655	2.92	2.44

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, 2021 and 2020

Total (All Sectors)										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
Coal	714,042	817,945	1.90	1.94	208	217	714,043	817,945	1.90	1.94
Petroleum Liquids	6,981	5,346	10.95	13.86	111	120	6,981	5,346	10.95	13.86
Petroleum Coke	5,427	8,421	2.59	1.53	5	5	5,427	8,421	2.59	1.53
Natural Gas	888,843	932,454	3.19	2.63	564	561	888,843	932,454	3.19	2.63
Fossil Fuels	1,615,294	1,764,166	2.63	2.32	690	694	1,615,294	1,764,166	2.63	2.32

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
Coal	520,685	603,308	1.98	1.97	148	153	520,685	603,308	1.98	1.97
Petroleum Liquids	5,360	4,457	10.87	13.67	69	85	5,360	4,457	10.87	13.67
Petroleum Coke	5,427	8,421	2.59	1.53	5	5	5,427	8,421	2.59	1.53
Natural Gas	426,676	447,079	3.42	2.87	300	292	426,676	447,079	3.42	2.87
Fossil Fuels	958,148	1,063,266	2.67	2.40	386	385	958,148	1,063,266	2.67	2.40

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
Coal	182,276	201,983	1.67	1.80	47	51	182,276	201,983	1.67	1.80
Petroleum Liquids	1,396	727	11.22	15.12	32	27	1,396	727	11.22	15.12
Petroleum Coke	0	0	--	--	0	0	0	0	--	--
Natural Gas	390,436	412,765	2.96	2.36	219	224	390,436	412,765	2.96	2.36
Fossil Fuels	574,107	615,474	2.52	2.17	257	262	574,107	615,474	2.52	2.17

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
Coal	28	26	2.96	2.96	1	1	28	26	2.96	2.96
Petroleum Liquids	0	0	--	--	0	0	0	0	--	--
Petroleum Coke	0	0	--	--	0	0	0	0	--	--
Natural Gas	759	795	3.12	3.09	3	3	759	795	3.12	3.09
Fossil Fuels	787	821	3.11	3.09	3	3	787	821	3.11	3.09

Industrial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
Coal	11,054	12,628	2.38	2.51	12	12	11,054	12,628	2.38	2.51
Petroleum Liquids	226	162	11.25	13.38	10	8	226	162	11.25	13.38
Petroleum Coke	0	0	--	--	0	0	0	0	--	--
Natural Gas	70,973	71,816	2.83	2.36	42	42	70,973	71,816	2.83	2.36
Fossil Fuels	82,252	84,605	2.79	2.41	44	44	82,252	84,605	2.79	2.41

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), 2011-January 2021
(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															
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	1,469,133	13,463	807,084	292,524	63,825	350,467	-5,905	12,973	4,178,277	29,539	89,773	93,365
2019	964,957	11,522	6,819	1,585,814	12,591	809,409	287,874	71,937	368,862	-5,261	13,331	4,127,855	34,957	103,676	106,894
2020	773,805	9,877	7,618	1,616,748	11,182	789,919	291,111	90,891	410,494	-5,321	12,761	4,009,085	41,740	129,483	132,631
Year 2019															
January	100,905	1,413	800	121,589	1,025	73,701	24,798	3,580	30,829	-323	1,194	359,509	1,903	5,373	5,483
February	79,929	815	692	112,142	948	64,715	22,881	3,836	28,455	-389	1,003	315,026	2,059	5,763	5,895
March	78,352	816	574	115,813	1,086	65,080	26,334	5,899	32,036	-409	1,077	326,657	2,914	8,553	8,813
April	59,922	782	401	104,059	948	60,581	27,820	6,752	34,486	-103	1,015	296,663	3,245	9,672	9,997
May	71,885	937	737	117,059	1,054	67,124	31,982	7,162	31,736	-368	1,117	330,423	3,549	10,375	10,711
June	78,540	957	563	137,836	1,009	68,805	28,078	7,971	28,514	-385	1,101	352,988	3,604	11,136	11,575
July	100,771	1,004	791	171,955	1,185	72,199	24,875	8,133	28,591	-622	1,157	410,038	3,760	11,493	11,893
August	94,040	1,047	684	174,968	1,147	71,911	22,579	7,877	26,546	-579	1,211	401,430	3,611	11,075	11,488
Sept	85,707	923	581	149,697	1,112	66,064	18,526	6,817	30,622	-671	1,142	360,518	3,205	9,728	10,022
October	66,777	942	200	130,948	924	62,033	18,306	6,093	33,402	-373	1,100	320,352	2,833	8,628	8,926
November	75,549	899	333	117,910	1,047	64,125	20,218	4,364	30,830	-509	1,082	315,849	2,228	6,450	6,592
December	72,581	988	463	131,839	1,107	73,074	21,478	3,453	32,815	-529	1,133	338,402	2,047	5,430	5,500
Year 2020															
January	65,100	950	662	133,158	1,105	74,170	25,332	4,657	34,828	-377	1,084	340,669	2,313	6,854	6,970
February	56,114	757	500	125,594	1,131	65,950	26,370	5,706	35,331	-247	961	318,168	2,624	8,152	8,330
March	50,644	707	684	123,697	1,014	63,997	23,594	6,496	35,916	-353	1,083	307,479	3,424	9,727	9,920
April	40,624	629	591	107,960	747	59,170	22,112	8,126	35,427	-325	1,067	276,127	3,817	11,637	11,943
May	46,530	700	587	115,871	810	64,338	30,485	9,767	34,469	-367	1,089	304,277	4,269	13,622	14,035
June	65,335	858	808	143,245	757	67,205	29,059	9,641	35,340	-499	1,016	352,766	4,270	13,541	13,911
July	89,831	956	838	185,445	856	69,385	27,676	10,478	28,375	-686	1,088	414,243	4,407	14,455	14,885
August	91,252	917	784	173,927	1,006	68,982	24,082	9,508	28,735	-784	1,096	399,504	4,201	13,352	13,708
Sept	68,448	792	457	141,453	948	65,727	19,162	7,891	28,910	-525	1,007	334,270	3,724	11,345	11,615
October	59,895	902	322	131,658	895	59,362	18,321	7,346	34,578	-423	1,054	313,910	3,399	10,486	10,744
November	61,332	801	643	109,037	940	61,760	21,832	5,895	39,774	-369	1,056	302,702	2,767	8,498	8,662
December	78,700	909	742	125,704	972	69,871	23,086	5,381	38,812	-368	1,160	344,970	2,526	7,815	7,907
Year 2021															
January	81,806	886	703	125,323	985	71,832	26,159	5,732	36,704	-424	1,108	350,815	2,749	8,401	8,481
Year to Date															
2019	100,905	1,413	800	121,589	1,025	73,701	24,798	3,580	30,829	-323	1,194	359,509	1,903	5,373	5,483
2020	65,100	950	662	133,158	1,105	74,170	25,332	4,657	34,828	-377	1,084	340,669	2,313	6,854	6,970
2021	81,806	886	703	125,323	985	71,832	26,159	5,732	36,704	-424	1,108	350,815	2,749	8,401	8,481
Rolling 12 Months Ending in January															
2020	929,152	11,060	6,680	1,597,383	12,672	809,878	288,407	73,014	372,861	-5,315	13,222	4,109,015	35,367	105,158	108,381
2021	790,511	9,813	7,659	1,608,913	11,062	787,581	291,939	91,966	412,371	-5,369	12,785	4,019,232	42,176	131,030	134,142

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 2019 and prior years are final. Values for 2020 and 2021 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), 2011-January 2021
(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													
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	295,882	68,719	3,218	38,543	10,468	6,093	2,402	15,473	287,874	728,673	34,957	103,676	106,894
2020	337,510	87,743	3,148	37,249	10,444	6,079	2,282	16,930	291,111	792,496	41,740	129,483	132,631
Year 2019													
January	24,301	3,470	111	3,465	930	528	214	1,390	24,798	59,207	1,903	5,373	5,483
February	22,623	3,704	131	3,042	843	464	191	1,293	22,881	55,172	2,059	5,763	5,895
March	25,773	5,639	260	3,217	908	490	227	1,422	26,334	64,269	2,914	8,553	8,813
April	28,915	6,427	325	2,807	833	468	208	1,254	27,820	69,059	3,245	9,672	9,997
May	25,779	6,826	336	3,051	859	526	179	1,342	31,982	70,880	3,549	10,375	10,711
June	22,446	7,532	439	3,159	868	523	191	1,328	28,078	64,563	3,604	11,136	11,575
July	22,101	7,733	400	3,498	884	538	194	1,375	24,875	61,599	3,760	11,493	11,893
August	19,978	7,464	413	3,539	886	546	204	1,393	22,579	57,001	3,611	11,075	11,488
Sept	24,513	6,523	294	3,211	838	512	179	1,368	18,526	55,965	3,205	9,728	10,022
October	27,625	5,796	298	3,063	868	500	206	1,141	18,306	57,801	2,833	8,628	8,926
November	25,184	4,223	141	3,137	844	484	198	984	20,218	55,412	2,228	6,450	6,592
December	26,644	3,383	70	3,355	908	513	213	1,183	21,478	57,746	2,047	5,430	5,500
Year 2020													
January	28,547	4,541	116	3,345	935	520	216	1,265	25,332	64,817	2,313	6,854	6,970
February	29,397	5,528	179	3,145	855	464	196	1,274	26,370	67,407	2,624	8,152	8,330
March	29,525	6,302	193	3,192	940	535	207	1,517	23,594	66,006	3,424	9,727	9,920
April	29,416	7,820	306	2,968	901	504	189	1,450	22,112	65,665	3,817	11,637	11,943
May	28,309	9,354	413	3,094	913	518	186	1,450	30,485	74,721	4,269	13,622	14,035
June	29,524	9,270	371	2,988	816	475	166	1,371	29,059	74,040	4,270	13,541	13,911
July	22,270	10,048	430	3,106	863	528	174	1,435	27,676	66,528	4,407	14,455	14,885
August	22,413	9,151	356	3,303	878	537	174	1,430	24,082	62,324	4,201	13,352	13,708
Sept	23,064	7,621	270	2,941	847	492	173	1,392	19,162	55,963	3,724	11,345	11,615
October	28,880	7,087	259	2,802	834	485	196	1,380	18,321	60,245	3,399	10,486	10,744
November	33,704	5,731	164	3,105	799	487	190	1,489	21,832	67,501	2,767	8,498	8,662
December	32,462	5,289	92	3,260	864	535	214	1,478	23,086	67,279	2,526	7,815	7,907
Year 2021													
January	30,427	5,652	80	3,253	880	527	213	1,404	26,159	68,596	2,749	8,401	8,481
Year to Date													
2019	24,301	3,470	111	3,465	930	528	214	1,390	24,798	59,207	1,903	5,373	5,483
2020	28,547	4,541	116	3,345	935	520	216	1,265	25,332	64,817	2,313	6,854	6,970
2021	30,427	5,652	80	3,253	880	527	213	1,404	26,159	68,596	2,749	8,401	8,481
Rolling 12 Months Ending in January													
2020	300,128	69,790	3,223	38,423	10,473	6,085	2,404	15,348	288,407	734,282	35,367	105,158	108,381
2021	339,390	88,854	3,112	37,157	10,389	6,086	2,279	17,069	291,939	796,276	42,176	131,030	134,142

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 2019 and prior years are final. Values for 2020 and 2021 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, 2011-January 2021
(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												
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	722,885	8,313	5,112	785,026	154	430,672	262,364	6,785	48,403	-4,261	551	2,266,004
2020	582,473	7,501	5,663	803,829	45	428,953	266,321	10,186	57,566	-4,326	453	2,158,664
Year 2019												
January	74,950	884	634	59,221	12	39,806	22,391	379	3,980	-247	42	202,052
February	59,507	580	564	55,553	22	34,243	20,610	403	3,431	-310	30	174,633
March	56,482	616	464	57,144	31	34,213	23,839	598	4,349	-309	31	177,458
April	44,228	545	276	51,616	0	32,063	25,266	667	4,820	-26	35	159,490
May	55,130	685	552	59,603	0	35,416	29,266	689	4,057	-305	41	185,133
June	60,199	723	398	70,460	23	36,847	25,767	662	3,649	-299	39	198,468
July	77,085	713	551	85,011	18	39,023	22,846	673	3,631	-505	36	229,082
August	72,032	802	501	87,745	16	39,218	20,913	640	3,139	-470	66	224,601
Sept	64,955	694	460	74,912	10	34,770	17,045	641	4,185	-583	59	197,147
October	49,301	701	146	64,537	0	32,289	16,625	574	4,600	-316	58	168,516
November	55,455	638	251	56,508	19	32,923	18,467	464	4,237	-424	56	168,594
December	53,561	730	315	62,718	2	39,861	19,330	395	4,325	-465	57	180,830
Year 2020												
January	48,388	787	493	65,176	0	40,721	23,024	552	4,546	-325	41	183,402
February	41,653	607	366	62,399	8	36,079	24,100	631	5,141	-182	39	170,842
March	38,334	507	521	62,267	19	35,133	21,236	811	4,982	-252	40	163,598
April	29,902	464	455	54,789	6	32,827	19,809	923	4,990	-252	34	143,947
May	34,953	526	436	60,025	8	34,392	28,036	1,109	4,642	-273	41	163,895
June	49,747	649	647	72,165	1	36,388	26,973	1,031	4,776	-420	32	191,989
July	69,482	711	664	91,840	6	37,583	25,646	1,084	3,542	-595	39	230,003
August	71,230	700	607	86,080	0	37,544	22,135	983	3,976	-675	41	222,622
Sept	53,210	613	289	68,266	0	36,043	17,508	843	4,430	-438	30	180,793
October	44,235	695	169	65,712	0	31,641	16,785	796	5,150	-346	31	164,866
November	43,872	597	438	53,562	-1	32,605	20,029	697	6,033	-281	40	157,591
December	57,467	647	578	61,547	-1	37,995	21,039	727	5,358	-287	44	185,116
Year 2021												
January	60,524	692	538	60,140	-1	39,472	24,015	771	5,212	-340	42	191,068
Year to Date												
2019	74,950	884	634	59,221	12	39,806	22,391	379	3,980	-247	42	202,052
2020	48,388	787	493	65,176	0	40,721	23,024	552	4,546	-325	41	183,402
2021	60,524	692	538	60,140	-1	39,472	24,015	771	5,212	-340	42	191,068
Rolling 12 Months Ending in January												
2020	696,322	8,215	4,972	790,981	141	431,587	262,997	6,958	48,969	-4,339	550	2,247,355
2021	594,609	7,406	5,708	798,793	45	427,704	267,312	10,405	58,232	-4,340	455	2,166,329

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 2019 and prior years are final. Values for 2020 and 2021 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, 2011-January 2021
(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												
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	645,616	3,935	382,833	23,812	58,337	275,154	-1,119	6,677	1,680,917
2019	235,847	2,669	1,125	692,113	3,883	378,738	24,288	64,480	290,343	-1,000	7,138	1,699,625
2020	185,723	1,924	1,368	708,370	3,052	360,965	23,549	79,912	323,081	-995	7,022	1,693,970
Year 2019												
January	25,344	462	125	52,923	348	33,895	2,266	3,167	24,193	-76	625	143,272
February	19,875	185	91	48,397	329	30,472	2,162	3,395	22,632	-79	544	128,002
March	21,337	155	71	49,981	352	30,867	2,368	5,243	25,078	-100	573	135,927
April	15,198	189	79	44,245	329	28,518	2,429	6,023	27,340	-78	546	124,819
May	16,258	215	145	48,842	325	31,708	2,591	6,406	25,316	-63	623	132,365
June	17,844	196	117	58,469	306	31,958	2,198	7,236	22,392	-86	610	141,240
July	23,140	254	135	77,238	354	33,176	1,942	7,380	22,329	-118	634	166,465
August	21,485	200	134	77,396	361	32,693	1,592	7,163	20,752	-109	638	162,304
Sept	20,261	186	77	65,571	332	31,294	1,416	6,112	23,996	-88	590	149,747
October	17,011	200	9	57,397	189	29,744	1,607	5,466	26,335	-56	582	138,483
November	19,591	215	41	52,175	307	31,202	1,672	3,859	24,109	-84	572	133,658
December	18,504	213	102	59,480	352	33,212	2,044	3,028	25,871	-64	601	143,343
Year 2020												
January	16,160	121	112	58,122	354	33,448	2,198	4,064	27,678	-52	608	142,815
February	13,937	112	93	54,254	361	29,871	2,160	5,026	27,748	-65	545	134,042
March	11,811	164	114	52,499	269	28,864	2,246	5,624	28,373	-101	622	130,486
April	10,287	133	104	45,258	144	26,343	2,193	7,129	27,994	-73	594	120,107
May	11,141	138	110	47,828	153	29,946	2,332	8,569	27,376	-94	585	128,084
June	15,174	170	110	62,503	132	30,817	1,977	8,524	28,161	-79	540	148,030
July	19,886	205	111	84,453	156	31,802	1,925	9,302	22,379	-91	606	170,734
August	19,584	184	118	78,678	303	31,438	1,850	8,445	22,289	-109	612	163,391
Sept	14,767	144	123	64,857	297	29,684	1,568	6,981	22,060	-87	565	140,962
October	15,206	166	109	57,928	239	27,721	1,452	6,488	27,061	-77	564	136,856
November	17,024	164	151	47,221	306	29,154	1,707	5,148	31,172	-88	558	132,519
December	20,748	221	111	54,768	337	31,876	1,942	4,611	30,790	-81	621	145,943
Year 2021												
January	20,816	157	117	55,910	327	32,361	2,032	4,918	28,868	-85	604	146,025
Year to Date												
2019	25,344	462	125	52,923	348	33,895	2,266	3,167	24,193	-76	625	143,272
2020	16,160	121	112	58,122	354	33,448	2,198	4,064	27,678	-52	608	142,815
2021	20,816	157	117	55,910	327	32,361	2,032	4,918	28,868	-85	604	146,025
Rolling 12 Months Ending in January												
2020	226,663	2,329	1,113	697,313	3,889	378,291	24,219	65,376	293,829	-976	7,122	1,699,168
2021	190,379	1,959	1,372	706,158	3,025	359,878	23,384	80,766	324,271	-1,028	7,017	1,697,180

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 2019 and prior years are final. Values for 2020 and 2021 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, 2011-January 2021
(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															
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	268	116	5	8,610	0	0	188	587	2,840	0	1,076	13,689	11,002	11,588	11,588
2020	235	94	2	8,207	0	0	206	673	2,771	0	1,041	13,230	12,884	13,557	13,557
Year 2019															
January	29	19	1	706	0	0	16	30	263	0	95	1,160	629	659	659
February	27	9	1	654	0	0	15	34	236	0	81	1,057	676	710	710
March	33	8	1	711	0	0	19	50	262	0	90	1,173	933	983	983
April	22	7	1	646	0	0	19	54	216	0	88	1,053	1,032	1,086	1,086
May	18	7	0	663	0	0	22	58	213	0	91	1,072	1,110	1,168	1,168
June	13	6	0	711	0	0	18	63	229	0	93	1,133	1,118	1,181	1,181
July	18	9	0	869	0	0	16	69	240	0	92	1,313	1,171	1,241	1,241
August	17	12	0	852	0	0	15	64	235	0	94	1,290	1,116	1,181	1,181
Sept	21	10	0	731	0	0	12	55	230	0	91	1,150	994	1,049	1,049
October	21	9	0	666	0	0	11	46	235	0	84	1,072	881	927	927
November	23	9	0	667	0	0	12	36	235	0	84	1,066	683	719	719
December	27	10	1	735	0	0	14	26	246	0	93	1,151	657	684	684
Year 2020															
January	22	10	2	751	0	0	NM	36	238	0	91	1,167	736	772	772
February	29	6	1	688	0	0	NM	43	232	0	80	1,096	834	877	877
March	22	6	0	663	0	0	NM	52	248	0	88	1,095	1,082	1,134	1,134
April	13	5	0	562	0	0	NM	64	226	0	82	966	1,189	1,253	1,253
May	14	7	0	597	0	0	NM	74	234	0	89	1,038	1,309	1,383	1,383
June	17	7	0	680	0	0	NM	72	220	0	85	1,104	1,305	1,378	1,378
July	17	10	0	817	0	0	NM	78	230	0	92	1,264	1,356	1,434	1,434
August	15	10	0	798	0	0	NM	68	230	0	90	1,228	1,302	1,369	1,369
Sept	24	8	0	717	0	0	13	56	216	0	84	1,119	1,159	1,216	1,216
October	17	8	0	623	0	0	NM	52	226	0	84	1,023	1,018	1,070	1,070
November	19	8	0	624	0	0	NM	42	231	0	86	1,025	809	851	851
December	26	9	0	687	0	0	NM	36	242	0	90	1,105	783	819	819
Year 2021															
January	25	10	0	685	0	0	NM	35	251	0	94	1,121	861	897	897
Year to Date															
2019	29	19	1	706	0	0	16	30	263	0	95	1,160	629	659	659
2020	22	10	2	751	0	0	NM	36	238	0	91	1,167	736	772	772
2021	25	10	0	685	0	0	NM	35	251	0	94	1,121	861	897	897
Rolling 12 Months Ending in January															
2020	261	107	5	8,656	0	0	NM	593	2,815	0	1,072	13,696	11,109	11,702	11,702
2021	238	94	1	8,140	0	0	NM	672	2,784	0	1,044	13,183	13,009	13,681	13,681

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 2019 and prior years are final. Values for 2020 and 2021 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, 2011-January 2021
(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															
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	5,957	424	576	100,065	8,554	0	1,033	85	27,276	0	4,567	148,537	3,041	3,127	3,127
2020	5,374	359	584	96,342	8,085	0	1,035	121	27,076	0	4,245	143,221	3,486	3,606	3,606
Year 2019															
January	581	48	40	8,739	664	0	124	4	2,393	0	432	13,025	168	172	172
February	521	40	36	7,538	597	0	94	5	2,156	0	348	11,335	178	182	182
March	500	37	37	7,978	702	0	108	7	2,348	0	384	12,099	254	261	261
April	475	40	45	7,552	619	0	106	8	2,110	0	346	11,301	278	286	286
May	479	30	41	7,951	730	0	104	9	2,150	0	361	11,854	309	317	317
June	484	31	47	8,196	680	0	95	10	2,244	0	360	12,147	311	320	320
July	528	28	105	8,837	813	0	71	10	2,391	0	394	13,178	321	331	331
August	506	33	50	8,976	770	0	59	9	2,419	0	413	13,236	311	320	320
Sept	470	34	44	8,483	770	0	52	8	2,211	0	402	12,474	281	289	289
October	445	32	44	8,348	735	0	63	7	2,233	0	375	12,281	255	262	262
November	480	36	41	8,561	721	0	67	5	2,249	0	371	12,531	198	204	204
December	489	35	45	8,906	753	0	91	4	2,372	0	382	13,077	179	183	183
Year 2020															
January	530	33	54	9,108	752	0	93	5	2,366	0	344	13,284	192	197	197
February	495	32	41	8,253	761	0	92	7	2,210	0	296	12,186	212	218	218
March	477	29	49	8,268	726	0	96	8	2,313	0	334	12,300	292	300	300
April	422	26	31	7,351	597	0	95	10	2,218	0	357	11,107	316	326	326
May	422	29	41	7,421	649	0	95	14	2,217	0	373	11,260	349	362	362
June	398	32	51	7,896	624	0	86	13	2,183	0	359	11,643	354	368	368
July	447	30	62	8,335	695	0	84	14	2,224	0	350	12,242	370	384	384
August	423	23	59	8,370	702	0	80	12	2,241	0	352	12,263	358	370	370
Sept	446	26	45	7,612	652	0	73	11	2,204	0	327	11,397	322	333	333
October	437	33	44	7,395	656	0	71	10	2,142	0	376	11,165	291	302	302
November	417	32	54	7,631	635	0	81	8	2,338	0	372	11,567	226	235	235
December	460	33	53	8,702	636	0	90	7	2,421	0	404	12,806	204	212	212
Year 2021															
January	440	27	48	8,588	659	0	92	8	2,372	0	368	12,602	216	224	224
Year to Date															
2019	581	48	40	8,739	664	0	124	4	2,393	0	432	13,025	168	172	172
2020	530	33	54	9,108	752	0	93	5	2,366	0	344	13,284	192	197	197
2021	440	27	48	8,588	659	0	92	8	2,372	0	368	12,602	216	224	224
Rolling 12 Months Ending in January															
2020	5,906	409	590	100,433	8,641	0	1,003	87	27,249	0	4,478	148,796	3,065	3,152	3,152
2021	5,284	353	578	95,823	7,992	0	1,034	123	27,083	0	4,270	142,539	3,510	3,633	3,633

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
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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-January 2021 (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	20,914
2020	25,370
Year 2019	
January	1,107
February	1,205
March	1,727
April	1,935
May	2,130
June	2,175
July	2,268
August	2,184
Sept	1,930
October	1,697
November	1,346
December	1,210
Year 2020	
January	1,385
February	1,578
March	2,050
April	2,311
May	2,611
June	2,611
July	2,681
August	2,541
Sept	2,243
October	2,089
November	1,731
December	1,538
Year 2021	
January	1,671
Year to Date	
2019	1,107
2020	1,385
2021	1,671
Rolling 12 Months Ending in January	
2020	21,193
2021	25,656

See Glossary for definitions. Values for 2019 and prior years are final. Values for 2020 and 2021 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, January 2021 and 2020 (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	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
New England	8,967	8,829	1.6%	197	196	8,413	8,255	112	113	245	265
Connecticut	3,654	3,742	-2.4%	8	6	3,566	3,638	34	37	46	61
Maine	999	878	13.8%	NM	NM	822	703	13	11	164	163
Massachusetts	2,024	1,834	10.3%	32	33	1,919	1,720	54	58	19	24
New Hampshire	1,521	1,526	-0.3%	72	70	1,440	1,450	6	3	3	3
Rhode Island	586	649	-9.8%	0	0	568	631	4	4	13	14
Vermont	184	200	-7.9%	85	87	99	112	0	0	0	0
Middle Atlantic	38,155	37,823	0.9%	3,524	3,037	34,096	34,201	201	207	333	378
New Jersey	4,631	5,486	-15.6%	NM	5	4,526	5,348	55	59	44	74
New York	11,005	11,561	-4.8%	3,510	3,020	7,311	8,350	109	111	75	80
Pennsylvania	22,519	20,777	8.4%	9	12	22,259	20,503	36	37	214	225
East North Central	52,219	49,888	4.7%	19,021	17,375	32,132	31,387	144	153	922	973
Illinois	16,194	14,841	9.1%	264	530	15,678	14,058	36	33	216	219
Indiana	8,889	7,596	17.0%	5,787	4,491	2,716	2,668	22	23	365	414
Michigan	10,290	10,534	-2.3%	7,103	6,929	3,003	3,420	57	66	128	119
Ohio	10,999	11,328	-2.9%	1,266	1,121	9,652	10,125	18	19	63	63
Wisconsin	5,847	5,589	4.6%	4,602	4,304	1,084	1,115	12	12	150	158
West North Central	30,703	30,714	0.0%	23,765	23,888	6,602	6,428	53	56	283	342
Iowa	5,483	5,202	5.4%	4,530	3,757	786	1,245	15	21	151	179
Kansas	4,672	4,352	7.4%	2,689	2,584	1,975	1,755	NM	NM	8	11
Minnesota	4,844	5,231	-7.4%	3,592	3,933	1,149	1,190	20	16	83	92
Missouri	6,902	6,965	-0.9%	6,281	6,389	601	556	15	16	5	4
Nebraska	3,125	3,481	-10.2%	2,387	2,759	718	682	1	2	19	38
North Dakota	3,933	4,033	-2.5%	3,167	3,318	749	698	NM	NM	17	17
South Dakota	1,743	1,450	20.2%	1,119	1,149	624	301	NM	NM	0	0
South Atlantic	66,806	63,795	4.7%	55,722	52,844	9,347	9,175	156	167	1,582	1,608
Delaware	120	323	-62.8%	1	NM	30	206	1	1	89	116
District of Columbia	19	19	-1.4%	0	0	NM	NM	18	18	0	0
Florida	18,074	18,571	-2.7%	16,947	17,361	722	815	6	6	399	389
Georgia	10,293	9,244	11.3%	8,555	7,586	1,307	1,202	NM	NM	430	457
Maryland	3,251	2,817	15.4%	60	162	3,109	2,564	78	88	4	4
North Carolina	11,691	10,687	9.4%	10,232	9,160	1,271	1,349	25	23	164	154
South Carolina	8,927	8,619	3.6%	8,535	8,259	226	199	0	0	166	160
Virginia	8,024	9,357	-14.2%	6,590	7,294	1,196	1,815	28	30	210	218
West Virginia	6,407	4,157	54.1%	4,802	3,022	1,485	1,024	0	0	120	111
East South Central	32,457	29,934	8.4%	28,044	26,156	3,576	2,912	19	21	818	846
Alabama	12,302	11,424	7.7%	8,647	8,378	3,244	2,634	0	0	411	412
Kentucky	6,375	5,807	9.8%	6,325	5,746	3	16	0	0	47	45
Mississippi	6,773	5,823	16.3%	6,301	5,428	300	233	0	0	172	162
Tennessee	7,007	6,880	1.8%	6,771	6,604	28	29	19	21	188	227
West South Central	58,808	57,176	2.9%	18,696	17,306	33,394	32,665	68	78	6,649	7,127
Arkansas	5,183	4,372	18.6%	4,496	3,794	565	458	NM	NM	118	115
Louisiana	7,892	8,161	-3.3%	4,802	4,971	380	404	18	16	2,691	2,770
Oklahoma	7,057	7,273	-3.0%	3,178	3,086	3,805	4,104	0	0	74	82
Texas	38,676	37,371	3.5%	6,220	5,455	28,644	27,699	45	57	3,766	4,160
Mountain	31,411	30,482	3.0%	23,391	23,034	7,595	7,091	89	85	337	272
Arizona	9,082	8,570	6.0%	7,345	7,077	1,725	1,482	12	11	0	0
Colorado	4,863	4,845	0.4%	3,617	3,637	1,238	1,196	2	7	7	6
Idaho	1,739	1,793	-3.0%	1,258	1,216	428	517	6	5	47	54
Montana	2,543	2,359	7.8%	1,131	1,005	1,408	1,350	0	0	4	4
Nevada	3,036	3,075	-1.2%	2,066	2,101	906	910	53	44	12	19
New Mexico	3,160	3,161	0.0%	2,071	2,039	1,081	1,112	NM	9	0	0
Utah	3,173	3,186	-0.4%	2,837	2,913	278	218	8	9	50	46
Wyoming	3,815	3,493	9.2%	3,068	3,045	530	306	0	0	217	143
Pacific Contiguous	30,047	30,654	-2.0%	17,868	18,555	10,558	10,433	215	227	1,406	1,439
California	13,554	14,275	-5.0%	4,123	5,480	8,070	7,390	205	219	1,157	1,186
Oregon	5,919	6,309	-6.2%	4,455	4,544	1,396	1,701	6	7	61	58
Washington	10,574	10,069	5.0%	9,291	8,531	1,092	1,342	3	2	187	195
Pacific Noncontiguous	1,243	1,374	-9.6%	840	1,011	311	270	64	60	28	33
Alaska	483	561	-13.9%	421	502	24	25	NM	NM	9	10
Hawaii	760	813	-6.5%	419	510	287	245	35	35	19	24
U.S. Total	350,815	340,669	3.0%	191,068	183,402	146,025	142,815	1,121	1,167	12,602	13,284

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

Table 1.3.B. Utility Scale Facility Net Generation

by State, by Sector, Year-to-Date through January 2021 and 2020 (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	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD
New England	8,967	8,829	1.6%	197	196	8,413	8,255	112	113	245	265
Connecticut	3,654	3,742	-2.4%	8	6	3,566	3,638	34	37	46	61
Maine	999	878	13.8%	NM	NM	822	703	13	11	164	163
Massachusetts	2,024	1,834	10.3%	32	33	1,919	1,720	54	58	19	24
New Hampshire	1,521	1,526	-0.3%	72	70	1,440	1,450	6	3	3	3
Rhode Island	586	649	-9.8%	0	0	568	631	4	4	13	14
Vermont	184	200	-7.9%	85	87	99	112	0	0	0	0
Middle Atlantic	38,155	37,823	0.9%	3,524	3,037	34,096	34,201	201	207	333	378
New Jersey	4,631	5,486	-15.6%	NM	5	4,526	5,348	55	59	44	74
New York	11,005	11,561	-4.8%	3,510	3,020	7,311	8,350	109	111	75	80
Pennsylvania	22,519	20,777	8.4%	9	12	22,259	20,503	36	37	214	225
East North Central	52,219	49,888	4.7%	19,021	17,375	32,132	31,387	144	153	922	973
Illinois	16,194	14,841	9.1%	264	530	15,678	14,058	36	33	216	219
Indiana	8,889	7,596	17.0%	5,787	4,491	2,716	2,668	22	23	365	414
Michigan	10,290	10,534	-2.3%	7,103	6,929	3,003	3,420	57	66	128	119
Ohio	10,999	11,328	-2.9%	1,266	1,121	9,652	10,125	18	19	63	63
Wisconsin	5,847	5,589	4.6%	4,602	4,304	1,084	1,115	12	12	150	158
West North Central	30,703	30,714	0.0%	23,765	23,888	6,602	6,428	53	56	283	342
Iowa	5,483	5,202	5.4%	4,530	3,757	786	1,245	15	21	151	179
Kansas	4,672	4,352	7.4%	2,689	2,584	1,975	1,755	NM	NM	8	11
Minnesota	4,844	5,231	-7.4%	3,592	3,933	1,149	1,190	20	16	83	92
Missouri	6,902	6,965	-0.9%	6,281	6,389	601	556	15	16	5	4
Nebraska	3,125	3,481	-10.2%	2,387	2,759	718	682	1	2	19	38
North Dakota	3,933	4,033	-2.5%	3,167	3,318	749	698	NM	NM	17	17
South Dakota	1,743	1,450	20.2%	1,119	1,149	624	301	NM	NM	0	0
South Atlantic	66,806	63,795	4.7%	55,722	52,844	9,347	9,175	156	167	1,582	1,608
Delaware	120	323	-62.8%	1	NM	30	206	1	1	89	116
District of Columbia	19	19	-1.4%	0	0	NM	NM	18	18	0	0
Florida	18,074	18,571	-2.7%	16,947	17,361	722	815	6	6	399	389
Georgia	10,293	9,244	11.3%	8,555	7,586	1,307	1,202	NM	NM	430	457
Maryland	3,251	2,817	15.4%	60	162	3,109	2,564	78	88	4	4
North Carolina	11,691	10,687	9.4%	10,232	9,160	1,271	1,349	25	23	164	154
South Carolina	8,927	8,619	3.6%	8,535	8,259	226	199	0	0	166	160
Virginia	8,024	9,357	-14.2%	6,590	7,294	1,196	1,815	28	30	210	218
West Virginia	6,407	4,157	54.1%	4,802	3,022	1,485	1,024	0	0	120	111
East South Central	32,457	29,934	8.4%	28,044	26,156	3,576	2,912	19	21	818	846
Alabama	12,302	11,424	7.7%	8,647	8,378	3,244	2,634	0	0	411	412
Kentucky	6,375	5,807	9.8%	6,325	5,746	3	16	0	0	47	45
Mississippi	6,773	5,823	16.3%	6,301	5,428	300	233	0	0	172	162
Tennessee	7,007	6,880	1.8%	6,771	6,604	28	29	19	21	188	227
West South Central	58,808	57,176	2.9%	18,696	17,306	33,394	32,665	68	78	6,649	7,127
Arkansas	5,183	4,372	18.6%	4,496	3,794	565	458	NM	NM	118	115
Louisiana	7,892	8,161	-3.3%	4,802	4,971	380	404	18	16	2,691	2,770
Oklahoma	7,057	7,273	-3.0%	3,178	3,086	3,805	4,104	0	0	74	82
Texas	38,676	37,371	3.5%	6,220	5,455	28,644	27,699	45	57	3,766	4,160
Mountain	31,411	30,482	3.0%	23,391	23,034	7,595	7,091	89	85	337	272
Arizona	9,082	8,570	6.0%	7,345	7,077	1,725	1,482	12	11	0	0
Colorado	4,863	4,845	0.4%	3,617	3,637	1,238	1,196	2	7	7	6
Idaho	1,739	1,793	-3.0%	1,258	1,216	428	517	6	5	47	54
Montana	2,543	2,359	7.8%	1,131	1,005	1,408	1,350	0	0	4	4
Nevada	3,036	3,075	-1.2%	2,066	2,101	906	910	53	44	12	19
New Mexico	3,160	3,161	0.0%	2,071	2,039	1,081	1,112	NM	9	0	0
Utah	3,173	3,186	-0.4%	2,837	2,913	278	218	8	9	50	46
Wyoming	3,815	3,493	9.2%	3,068	3,045	530	306	0	0	217	143
Pacific Contiguous	30,047	30,654	-2.0%	17,868	18,555	10,558	10,433	215	227	1,406	1,439
California	13,554	14,275	-5.0%	4,123	5,480	8,070	7,390	205	219	1,157	1,186
Oregon	5,919	6,309	-6.2%	4,455	4,544	1,396	1,701	6	7	61	58
Washington	10,574	10,069	5.0%	9,291	8,531	1,092	1,342	3	2	187	195
Pacific Noncontiguous	1,243	1,374	-9.6%	840	1,011	311	270	64	60	28	33
Alaska	483	561	-13.9%	421	502	24	25	NM	NM	9	10
Hawaii	760	813	-6.5%	419	510	287	245	35	35	19	24
U.S. Total	350,815	340,669	3.0%	191,068	183,402	146,025	142,815	1,121	1,167	12,602	13,284

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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, January 2021 and 2020 (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	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
New England	175	29	494.8%	36	24	138	5	0	0	1	NM
Connecticut	133	-2	NM	0	0	133	-2	0	0	0	0
Maine	5	8	-34.3%	0	0	5	7	0	0	1	NM
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	36	24	54.1%	36	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	3,664	2,687	36.3%	0	0	3,658	2,681	0	0	6	6
New Jersey	80	79	1.0%	0	0	80	79	0	0	0	0
New York	0	21	-100.0%	0	0	0	21	0	0	0	0
Pennsylvania	3,584	2,587	38.5%	0	0	3,578	2,581	0	0	6	6
East North Central	19,297	15,410	25.2%	11,525	8,726	7,625	6,520	4	3	143	162
Illinois	3,981	2,615	52.3%	177	251	3,682	2,226	1	1	122	138
Indiana	5,153	3,663	40.7%	4,708	3,240	442	421	3	2	0	0
Michigan	3,634	2,758	31.8%	3,603	2,724	31	34	0	0	0	0
Ohio	3,997	4,320	-7.5%	527	481	3,470	3,838	0	0	0	0
Wisconsin	2,532	2,054	23.2%	2,511	2,030	0	0	0	0	21	24
West North Central	14,591	13,523	7.9%	14,439	13,328	0	0	5	7	147	188
Iowa	1,960	1,437	36.3%	1,851	1,306	0	0	4	6	104	126
Kansas	1,466	1,356	8.1%	1,466	1,356	0	0	0	0	0	0
Minnesota	1,419	1,335	6.3%	1,407	1,322	0	0	0	0	12	13
Missouri	5,634	4,829	16.7%	5,632	4,828	0	0	1	1	0	0
Nebraska	1,592	1,922	-17.2%	1,573	1,884	0	0	0	0	19	38
North Dakota	2,316	2,453	-5.6%	2,305	2,442	0	0	0	0	11	12
South Dakota	205	191	7.3%	205	191	0	0	0	0	0	0
South Atlantic	13,267	8,121	63.4%	11,239	7,129	1,972	937	5	6	51	49
Delaware	-3	-3	0.0%	0	0	-3	-3	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,547	1,106	39.9%	1,545	1,103	0	0	0	0	2	4
Georgia	1,259	478	163.7%	1,241	462	0	0	0	0	18	15
Maryland	757	173	338.5%	0	0	757	173	0	0	0	0
North Carolina	2,260	1,400	61.4%	2,233	1,372	6	9	5	5	16	14
South Carolina	1,489	1,048	42.1%	1,473	1,029	13	18	0	0	3	1
Virginia	69	259	-73.4%	29	232	27	11	0	1	13	15
West Virginia	5,889	3,661	60.8%	4,718	2,931	1,171	730	0	0	0	0
East South Central	8,286	7,283	13.8%	7,975	7,030	273	209	0	0	38	44
Alabama	2,097	1,955	7.3%	2,097	1,955	0	0	0	0	0	0
Kentucky	4,567	4,107	11.2%	4,567	4,107	0	0	0	0	0	0
Mississippi	575	268	114.4%	302	59	273	209	0	0	0	0
Tennessee	1,048	954	9.9%	1,010	909	0	0	0	0	38	44
West South Central	11,458	6,518	75.8%	6,016	2,521	5,439	3,981	0	0	3	17
Arkansas	2,302	855	169.4%	1,897	531	402	320	0	0	3	4
Louisiana	306	166	84.2%	243	166	62	0	0	0	0	0
Oklahoma	891	207	330.9%	891	194	0	0	0	0	0	12
Texas	7,959	5,291	50.4%	2,985	1,630	4,974	3,661	0	0	0	0
Mountain	10,516	10,461	0.5%	9,247	9,253	1,238	1,172	0	0	31	36
Arizona	1,344	1,134	18.6%	1,344	1,134	0	0	0	0	0	0
Colorado	1,966	1,985	-0.9%	1,966	1,985	0	0	0	0	0	0
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	1,088	1,018	6.9%	25	3	1,062	1,014	0	0	NM	2
Nevada	76	171	-55.4%	-4	71	80	100	0	0	0	0
New Mexico	1,336	1,338	-0.1%	1,336	1,338	0	0	0	0	0	0
Utah	1,944	2,007	-3.2%	1,909	2,007	35	0	0	0	0	0
Wyoming	2,761	2,807	-1.6%	2,671	2,716	62	58	0	0	28	32
Pacific Contiguous	379	939	-59.6%	0	354	359	558	0	0	20	27
California	17	24	-26.6%	0	0	0	0	0	0	17	24
Oregon	0	354	-100.0%	0	354	0	0	0	0	0	0
Washington	362	561	-35.5%	0	0	359	558	0	0	3	3
Pacific Noncontiguous	172	128	34.4%	46	NM	115	99	11	6	0	0
Alaska	76	49	55.4%	46	NM	19	20	11	6	0	0
Hawaii	96	79	21.4%	0	0	96	79	0	0	0	0
U.S. Total	81,806	65,100	25.7%	60,524	48,388	20,816	16,160	25	22	440	530

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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 1.4.B. Utility Scale Facility Net Generation from Coal

by State, by Sector, Year-to-Date through January 2021 and 2020 (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	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD
New England	175	29	494.8%	36	24	138	5	0	0	1	NM
Connecticut	133	-2	NM	0	0	133	-2	0	0	0	0
Maine	5	8	-34.3%	0	0	5	7	0	0	1	NM
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	36	24	54.1%	36	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	3,664	2,687	36.3%	0	0	3,658	2,681	0	0	6	6
New Jersey	80	79	1.0%	0	0	80	79	0	0	0	0
New York	0	21	-100.0%	0	0	0	21	0	0	0	0
Pennsylvania	3,584	2,587	38.5%	0	0	3,578	2,581	0	0	6	6
East North Central	19,297	15,410	25.2%	11,525	8,726	7,625	6,520	4	3	143	162
Illinois	3,981	2,615	52.3%	177	251	3,682	2,226	1	1	122	138
Indiana	5,153	3,663	40.7%	4,708	3,240	442	421	3	2	0	0
Michigan	3,634	2,758	31.8%	3,603	2,724	31	34	0	0	0	0
Ohio	3,997	4,320	-7.5%	527	481	3,470	3,838	0	0	0	0
Wisconsin	2,532	2,054	23.2%	2,511	2,030	0	0	0	0	21	24
West North Central	14,591	13,523	7.9%	14,439	13,328	0	0	5	7	147	188
Iowa	1,960	1,437	36.3%	1,851	1,306	0	0	4	6	104	126
Kansas	1,466	1,356	8.1%	1,466	1,356	0	0	0	0	0	0
Minnesota	1,419	1,335	6.3%	1,407	1,322	0	0	0	0	12	13
Missouri	5,634	4,829	16.7%	5,632	4,828	0	0	1	1	0	0
Nebraska	1,592	1,922	-17.2%	1,573	1,884	0	0	0	0	19	38
North Dakota	2,316	2,453	-5.6%	2,305	2,442	0	0	0	0	11	12
South Dakota	205	191	7.3%	205	191	0	0	0	0	0	0
South Atlantic	13,267	8,121	63.4%	11,239	7,129	1,972	937	5	6	51	49
Delaware	-3	-3	0.0%	0	0	-3	-3	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,547	1,106	39.9%	1,545	1,103	0	0	0	0	2	4
Georgia	1,259	478	163.7%	1,241	462	0	0	0	0	18	15
Maryland	757	173	338.5%	0	0	757	173	0	0	0	0
North Carolina	2,260	1,400	61.4%	2,233	1,372	6	9	5	5	16	14
South Carolina	1,489	1,048	42.1%	1,473	1,029	13	18	0	0	3	1
Virginia	69	259	-73.4%	29	232	27	11	0	1	13	15
West Virginia	5,889	3,661	60.8%	4,718	2,931	1,171	730	0	0	0	0
East South Central	8,286	7,283	13.8%	7,975	7,030	273	209	0	0	38	44
Alabama	2,097	1,955	7.3%	2,097	1,955	0	0	0	0	0	0
Kentucky	4,567	4,107	11.2%	4,567	4,107	0	0	0	0	0	0
Mississippi	575	268	114.4%	302	59	273	209	0	0	0	0
Tennessee	1,048	954	9.9%	1,010	909	0	0	0	0	38	44
West South Central	11,458	6,518	75.8%	6,016	2,521	5,439	3,981	0	0	3	17
Arkansas	2,302	855	169.4%	1,897	531	402	320	0	0	3	4
Louisiana	306	166	84.2%	243	166	62	0	0	0	0	0
Oklahoma	891	207	330.9%	891	194	0	0	0	0	0	12
Texas	7,959	5,291	50.4%	2,985	1,630	4,974	3,661	0	0	0	0
Mountain	10,516	10,461	0.5%	9,247	9,253	1,238	1,172	0	0	31	36
Arizona	1,344	1,134	18.6%	1,344	1,134	0	0	0	0	0	0
Colorado	1,966	1,985	-0.9%	1,966	1,985	0	0	0	0	0	0
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	1,088	1,018	6.9%	25	3	1,062	1,014	0	0	NM	2
Nevada	76	171	-55.4%	-4	71	80	100	0	0	0	0
New Mexico	1,336	1,338	-0.1%	1,336	1,338	0	0	0	0	0	0
Utah	1,944	2,007	-3.2%	1,909	2,007	35	0	0	0	0	0
Wyoming	2,761	2,807	-1.6%	2,671	2,716	62	58	0	0	28	32
Pacific Contiguous	379	939	-59.6%	0	354	359	558	0	0	20	27
California	17	24	-26.6%	0	0	0	0	0	0	17	24
Oregon	0	354	-100.0%	0	354	0	0	0	0	0	0
Washington	362	561	-35.5%	0	0	359	558	0	0	3	3
Pacific Noncontiguous	172	128	34.4%	46	NM	115	99	11	6	0	0
Alaska	76	49	55.4%	46	NM	19	20	11	6	0	0
Hawaii	96	79	21.4%	0	0	96	79	0	0	0	0
U.S. Total	81,806	65,100	25.7%	60,524	48,388	20,816	16,160	25	22	440	530

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

Table 1.5.A. Utility Scale Facility Net Generation from Petroleum Liquids by State, by Sector, January 2021 and 2020 (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	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
New England	23	12	95.6%	4	1	14	7	4	3	NM	NM
Connecticut	3	0	NM	0	0	NM	NM	1	0	0	0
Maine	3	4	-19.7%	0	0	2	3	NM	0	NM	NM
Massachusetts	6	5	30.1%	NM	NM	6	4	NM	NM	0	0
New Hampshire	9	2	370.3%	3	NM	5	NM	2	2	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	NM	NM
Vermont	NM	NM	NM	NM	NM	0	0	0	0	0	0
Middle Atlantic	136	25	448.5%	98	7	36	15	NM	NM	1	1
New Jersey	5	2	165.8%	0	0	5	2	NM	NM	0	0
New York	122	23	428.6%	98	7	23	14	NM	NM	1	1
Pennsylvania	8	0	NM	0	0	8	-1	0	0	NM	NM
East North Central	33	36	-9.3%	22	26	10	10	0	0	1	NM
Illinois	3	3	13.7%	NM	1	3	2	NM	0	0	0
Indiana	11	12	-9.5%	11	12	0	0	0	0	0	0
Michigan	7	5	36.5%	7	5	0	0	NM	NM	NM	NM
Ohio	8	10	-14.3%	1	2	7	8	0	0	0	0
Wisconsin	3	6	-50.2%	3	6	0	0	NM	NM	NM	NM
West North Central	25	33	-25.2%	24	32	NM	NM	0	0	0	0
Iowa	2	6	-69.7%	2	6	NM	0	0	0	0	0
Kansas	8	8	-6.9%	8	8	0	0	0	0	0	0
Minnesota	3	NM	NM	3	NM	NM	NM	0	0	0	0
Missouri	8	7	27.2%	8	7	0	0	0	0	0	0
Nebraska	NM	NM	NM	NM	NM	0	0	0	0	0	0
North Dakota	2	5	-62.5%	2	5	0	0	0	0	0	0
South Dakota	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
South Atlantic	72	85	-16.2%	48	64	12	13	4	3	7	5
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	15	18	-16.7%	13	16	NM	0	0	0	2	1
Georgia	8	1	NM	4	-2	NM	NM	0	0	4	2
Maryland	8	10	-21.2%	0	0	8	10	NM	NM	0	0
North Carolina	9	16	-40.1%	8	15	NM	NM	NM	NM	1	1
South Carolina	6	6	4.6%	5	5	0	0	0	0	1	0
Virginia	9	13	-32.0%	NM	8	2	2	4	3	NM	NM
West Virginia	15	22	-32.2%	15	22	0	0	0	0	0	0
East South Central	17	23	-24.5%	13	22	3	0	0	0	1	1
Alabama	3	NM	NM	NM	NM	3	NM	0	0	NM	NM
Kentucky	6	6	-6.8%	6	6	0	0	0	0	0	0
Mississippi	1	1	1.9%	1	1	0	0	0	0	0	0
Tennessee	7	15	-50.8%	7	15	0	0	0	0	0	0
West South Central	12	8	45.4%	9	6	3	1	0	0	NM	NM
Arkansas	3	2	83.1%	3	2	0	0	0	0	NM	NM
Louisiana	NM	NM	NM	NM	NM	0	0	0	0	0	0
Oklahoma	3	2	52.7%	3	2	0	0	0	0	0	0
Texas	4	3	45.9%	2	2	2	1	0	0	0	0
Mountain	21	36	-41.1%	20	36	1	NM	NM	NM	0	0
Arizona	3	3	-0.9%	3	3	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	NM	NM	NM	NM	0	NM	0	0	0	0
Nevada	0	1	-50.5%	0	1	0	0	0	0	0	0
New Mexico	9	25	-64.2%	9	25	0	0	0	0	0	0
Utah	4	3	35.9%	4	3	0	0	0	0	0	0
Wyoming	5	5	-4.0%	5	5	0	0	0	0	0	0
Pacific Contiguous	4	8	-46.7%	3	5	0	2	NM	NM	1	NM
California	3	4	-24.4%	2	3	0	1	0	0	0	0
Oregon	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Washington	1	4	-71.8%	NM	1	NM	1	0	0	NM	NM
Pacific Noncontiguous	544	684	-20.5%	451	588	77	72	0	3	15	23
Alaska	56	110	-49.0%	54	103	NM	0	NM	2	2	5
Hawaii	488	574	-15.0%	397	485	77	71	0	1	13	18
U.S. Total	886	950	-6.7%	692	787	157	121	10	10	27	33

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

by State, by Sector, Year-to-Date through January 2021 and 2020 (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	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD
New England	23	12	95.6%	4	1	14	7	4	3	NM	NM
Connecticut	3	0	NM	0	0	NM	NM	1	0	0	0
Maine	3	4	-19.7%	0	0	2	3	NM	0	NM	NM
Massachusetts	6	5	30.1%	NM	NM	6	4	NM	NM	0	0
New Hampshire	9	2	370.3%	3	NM	5	NM	2	2	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	NM	NM
Vermont	NM	NM	NM	NM	NM	0	0	0	0	0	0
Middle Atlantic	136	25	448.5%	98	7	36	15	NM	NM	1	1
New Jersey	5	2	165.8%	0	0	5	2	NM	NM	0	0
New York	122	23	428.6%	98	7	23	14	NM	NM	1	1
Pennsylvania	8	0	NM	0	0	8	-1	0	0	NM	NM
East North Central	33	36	-9.3%	22	26	10	10	0	0	1	NM
Illinois	3	3	13.7%	NM	1	3	2	NM	0	0	0
Indiana	11	12	-9.5%	11	12	0	0	0	0	0	0
Michigan	7	5	36.5%	7	5	0	0	NM	NM	NM	NM
Ohio	8	10	-14.3%	1	2	7	8	0	0	0	0
Wisconsin	3	6	-50.2%	3	6	0	0	NM	NM	NM	NM
West North Central	25	33	-25.2%	24	32	NM	NM	0	0	0	0
Iowa	2	6	-69.7%	2	6	NM	0	0	0	0	0
Kansas	8	8	-6.9%	8	8	0	0	0	0	0	0
Minnesota	3	NM	NM	3	NM	NM	NM	0	0	0	0
Missouri	8	7	27.2%	8	7	0	0	0	0	0	0
Nebraska	NM	NM	NM	NM	NM	0	0	0	0	0	0
North Dakota	2	5	-62.5%	2	5	0	0	0	0	0	0
South Dakota	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
South Atlantic	72	85	-16.2%	48	64	12	13	4	3	7	5
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	15	18	-16.7%	13	16	NM	0	0	0	2	1
Georgia	8	1	NM	4	-2	NM	NM	0	0	4	2
Maryland	8	10	-21.2%	0	0	8	10	NM	NM	0	0
North Carolina	9	16	-40.1%	8	15	NM	NM	NM	NM	1	1
South Carolina	6	6	4.6%	5	5	0	0	0	0	1	0
Virginia	9	13	-32.0%	NM	8	2	2	4	3	NM	NM
West Virginia	15	22	-32.2%	15	22	0	0	0	0	0	0
East South Central	17	23	-24.5%	13	22	3	0	0	0	1	1
Alabama	3	NM	NM	NM	NM	3	NM	0	0	NM	NM
Kentucky	6	6	-6.8%	6	6	0	0	0	0	0	0
Mississippi	1	1	1.9%	1	1	0	0	0	0	0	0
Tennessee	7	15	-50.8%	7	15	0	0	0	0	0	0
West South Central	12	8	45.4%	9	6	3	1	0	0	NM	NM
Arkansas	3	2	83.1%	3	2	0	0	0	0	NM	NM
Louisiana	NM	NM	NM	NM	NM	0	0	0	0	0	0
Oklahoma	3	2	52.7%	3	2	0	0	0	0	0	0
Texas	4	3	45.9%	2	2	2	1	0	0	0	0
Mountain	21	36	-41.1%	20	36	1	NM	NM	NM	0	0
Arizona	3	3	-0.9%	3	3	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	NM	NM	NM	NM	0	NM	0	0	0	0
Nevada	0	1	-50.5%	0	1	0	0	0	0	0	0
New Mexico	9	25	-64.2%	9	25	0	0	0	0	0	0
Utah	4	3	35.9%	4	3	0	0	0	0	0	0
Wyoming	5	5	-4.0%	5	5	0	0	0	0	0	0
Pacific Contiguous	4	8	-46.7%	3	5	0	2	NM	NM	1	NM
California	3	4	-24.4%	2	3	0	1	0	0	0	0
Oregon	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Washington	1	4	-71.8%	NM	1	NM	1	0	0	NM	NM
Pacific Noncontiguous	544	684	-20.5%	451	588	77	72	0	3	15	23
Alaska	56	110	-49.0%	54	103	NM	0	NM	2	2	5
Hawaii	488	574	-15.0%	397	485	77	71	0	1	13	18
U.S. Total	886	950	-6.7%	692	787	157	121	10	10	27	33

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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 1.6.A. Utility Scale Facility Net Generation from Petroleum Coke by State, by Sector, January 2021 and 2020 (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	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
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	6	-100.0%	0	0	0	0	0	0	0	6
New Jersey	0	6	-100.0%	0	0	0	0	0	0	0	6
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	120	158	-24.2%	30	74	80	70	0	0	11	14
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	31	78	-59.8%	21	64	0	0	0	0	11	14
Ohio	80	70	13.7%	0	0	80	70	0	0	0	0
Wisconsin	9	10	-12.3%	9	10	0	0	0	0	0	0
West North Central	8	9	-11.1%	0	0	0	0	0	2	8	7
Iowa	8	9	-11.1%	0	0	0	0	0	2	8	7
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	110	188	-41.6%	88	169	0	0	0	0	NM	NM
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	88	169	-48.0%	88	169	0	0	0	0	0	0
Georgia	NM	NM	NM	0	0	0	0	0	0	NM	NM
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	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	429	259	65.3%	421	251	0	0	0	0	8	9
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	421	251	67.8%	421	251	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	8	9	-6.0%	0	0	0	0	0	0	8	9
Mountain	37	42	-12.8%	0	0	37	42	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	37	42	-12.8%	0	0	37	42	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	703	662	6.3%	538	493	117	112	0	2	48	54

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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 January 2021 and 2020 (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	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 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	6	-100.0%	0	0	0	0	0	0	0	6
New Jersey	0	6	-100.0%	0	0	0	0	0	0	0	6
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	120	158	-24.2%	30	74	80	70	0	0	11	14
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	31	78	-59.8%	21	64	0	0	0	0	11	14
Ohio	80	70	13.7%	0	0	80	70	0	0	0	0
Wisconsin	9	10	-12.3%	9	10	0	0	0	0	0	0
West North Central	8	9	-11.1%	0	0	0	0	0	2	8	7
Iowa	8	9	-11.1%	0	0	0	0	0	2	8	7
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	110	188	-41.6%	88	169	0	0	0	0	NM	NM
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	88	169	-48.0%	88	169	0	0	0	0	0	0
Georgia	NM	NM	NM	0	0	0	0	0	0	NM	NM
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	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	429	259	65.3%	421	251	0	0	0	0	8	9
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	421	251	67.8%	421	251	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	8	9	-6.0%	0	0	0	0	0	0	8	9
Mountain	37	42	-12.8%	0	0	37	42	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	37	42	-12.8%	0	0	37	42	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	703	662	6.3%	538	493	117	112	0	2	48	54

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, January 2021 and 2020 (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	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
New England	4,654	4,496	3.5%	NM	NM	4,444	4,256	88	94	115	143
Connecticut	1,950	2,016	-3.3%	4	2	1,868	1,916	33	37	46	61
Maine	191	118	62.1%	0	0	153	73	3	3	35	42
Massachusetts	1,690	1,484	13.9%	NM	NM	1,620	1,409	48	51	19	23
New Hampshire	288	281	2.4%	1	0	283	278	1	0	3	3
Rhode Island	535	598	-10.4%	0	0	519	580	3	3	13	14
Vermont	0	0	-1.9%	0	0	0	0	0	0	0	0
Middle Atlantic	16,976	16,837	0.8%	1,264	808	15,415	15,688	98	108	198	232
New Jersey	1,653	2,512	-34.2%	NM	NM	1,610	2,439	16	21	20	42
New York	4,334	4,064	6.7%	1,257	798	2,955	3,133	70	75	53	58
Pennsylvania	10,989	10,261	7.1%	0	0	10,850	10,116	12	13	126	132
East North Central	13,696	15,489	-11.6%	4,030	5,193	9,190	9,782	118	128	358	385
Illinois	1,698	1,975	-14.0%	70	262	1,547	1,637	35	32	46	43
Indiana	2,760	3,005	-8.2%	1,002	1,174	1,585	1,629	14	16	158	185
Michigan	2,385	3,487	-31.6%	543	1,260	1,738	2,114	48	56	56	56
Ohio	4,981	4,941	0.8%	712	611	4,229	4,289	16	17	24	24
Wisconsin	1,872	2,081	-10.1%	1,702	1,886	91	113	5	6	73	77
West North Central	1,957	3,117	-37.2%	1,594	2,445	275	572	28	29	60	70
Iowa	323	604	-46.6%	278	552	0	NM	10	10	36	42
Kansas	161	168	-4.2%	153	157	0	0	0	0	7	10
Minnesota	733	1,267	-42.1%	569	973	146	273	8	9	11	12
Missouri	588	714	-17.7%	443	400	129	300	10	10	5	4
Nebraska	41	106	-61.8%	40	106	0	0	0	0	0	0
North Dakota	98	145	-32.1%	96	144	0	0	0	0	2	1
South Dakota	NM	113	NM	NM	113	0	0	0	0	0	0
South Atlantic	29,131	31,315	-7.0%	24,925	26,069	3,639	4,669	103	113	464	463
Delaware	102	302	-66.4%	1	0	NM	201	0	0	77	101
District of Columbia	13	13	1.2%	0	0	0	0	13	13	0	0
Florida	12,539	13,520	-7.3%	12,045	12,900	352	473	2	2	140	145
Georgia	4,889	4,697	4.1%	3,921	3,743	908	899	0	0	61	55
Maryland	798	944	-15.5%	59	161	659	693	76	85	4	4
North Carolina	4,117	3,926	4.9%	3,477	3,212	609	686	12	11	20	16
South Carolina	1,859	1,989	-6.5%	1,805	1,935	34	36	0	0	20	17
Virginia	4,660	5,814	-19.8%	3,612	4,117	972	1,625	0	2	76	70
West Virginia	153	111	38.4%	5	1	82	56	0	0	66	54
East South Central	12,700	11,135	14.1%	9,175	8,195	3,224	2,630	19	20	283	290
Alabama	4,732	3,939	20.1%	1,402	1,207	3,220	2,613	0	0	111	118
Kentucky	1,337	1,298	3.0%	1,314	1,261	2	15	0	0	22	22
Mississippi	5,009	4,379	14.4%	4,961	4,332	0	0	0	0	48	47
Tennessee	1,622	1,520	6.7%	1,498	1,396	2	2	19	20	103	102
West South Central	26,793	30,664	-12.6%	8,275	10,498	12,499	13,736	63	72	5,956	6,358
Arkansas	1,014	1,635	-38.0%	861	1,494	124	114	NM	NM	25	23
Louisiana	5,062	5,611	-9.8%	2,535	2,962	183	270	18	16	2,326	2,363
Oklahoma	3,009	4,014	-25.0%	1,823	2,407	1,140	1,566	0	0	47	41
Texas	17,707	19,404	-8.7%	3,056	3,635	11,052	11,786	41	53	3,558	3,930
Mountain	9,421	9,619	-2.1%	7,162	7,434	2,097	2,008	35	39	127	139
Arizona	3,735	3,534	5.7%	2,440	2,408	1,283	1,116	11	10	0	0
Colorado	1,333	1,451	-8.2%	1,144	1,286	186	160	0	3	3	2
Idaho	333	473	-29.6%	218	280	97	175	4	4	14	15
Montana	21	33	-35.9%	18	27	3	5	0	0	NM	1
Nevada	2,148	2,145	0.1%	1,940	1,930	191	191	5	5	12	19
New Mexico	903	1,006	-10.2%	560	643	336	354	NM	9	0	0
Utah	855	856	-0.1%	813	809	0	6	7	8	35	33
Wyoming	93	121	-23.2%	29	51	0	0	0	0	63	69
Pacific Contiguous	9,839	10,257	-4.1%	3,559	4,306	5,127	4,779	133	147	1,020	1,024
California	7,100	6,759	5.0%	2,039	2,268	3,994	3,397	128	143	940	950
Oregon	1,655	2,068	-20.0%	849	1,044	791	1,009	4	4	11	11
Washington	1,084	1,430	-24.2%	671	994	343	373	2	0	69	63
Pacific Noncontiguous	155	228	-31.9%	149	224	0	0	0	0	6	4
Alaska	155	228	-31.9%	149	224	0	0	0	0	6	4
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	125,323	133,158	-5.9%	60,140	65,176	55,910	58,122	685	751	8,588	9,108

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

by State, by Sector, Year-to-Date through January 2021 and 2020 (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	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD
New England	4,654	4,496	3.5%	NM	NM	4,444	4,256	88	94	115	143
Connecticut	1,950	2,016	-3.3%	4	2	1,868	1,916	33	37	46	61
Maine	191	118	62.1%	0	0	153	73	3	3	35	42
Massachusetts	1,690	1,484	13.9%	NM	NM	1,620	1,409	48	51	19	23
New Hampshire	288	281	2.4%	1	0	283	278	1	0	3	3
Rhode Island	535	598	-10.4%	0	0	519	580	3	3	13	14
Vermont	0	0	-1.9%	0	0	0	0	0	0	0	0
Middle Atlantic	16,976	16,837	0.8%	1,264	808	15,415	15,688	98	108	198	232
New Jersey	1,653	2,512	-34.2%	NM	NM	1,610	2,439	16	21	20	42
New York	4,334	4,064	6.7%	1,257	798	2,955	3,133	70	75	53	58
Pennsylvania	10,989	10,261	7.1%	0	0	10,850	10,116	12	13	126	132
East North Central	13,696	15,489	-11.6%	4,030	5,193	9,190	9,782	118	128	358	385
Illinois	1,698	1,975	-14.0%	70	262	1,547	1,637	35	32	46	43
Indiana	2,760	3,005	-8.2%	1,002	1,174	1,585	1,629	14	16	158	185
Michigan	2,385	3,487	-31.6%	543	1,260	1,738	2,114	48	56	56	56
Ohio	4,981	4,941	0.8%	712	611	4,229	4,289	16	17	24	24
Wisconsin	1,872	2,081	-10.1%	1,702	1,886	91	113	5	6	73	77
West North Central	1,957	3,117	-37.2%	1,594	2,445	275	572	28	29	60	70
Iowa	323	604	-46.6%	278	552	0	NM	10	10	36	42
Kansas	161	168	-4.2%	153	157	0	0	0	0	7	10
Minnesota	733	1,267	-42.1%	569	973	146	273	8	9	11	12
Missouri	588	714	-17.7%	443	400	129	300	10	10	5	4
Nebraska	41	106	-61.8%	40	106	0	0	0	0	0	0
North Dakota	98	145	-32.1%	96	144	0	0	0	0	2	1
South Dakota	NM	113	NM	NM	113	0	0	0	0	0	0
South Atlantic	29,131	31,315	-7.0%	24,925	26,069	3,639	4,669	103	113	464	463
Delaware	102	302	-66.4%	1	0	NM	201	0	0	77	101
District of Columbia	13	13	1.2%	0	0	0	0	13	13	0	0
Florida	12,539	13,520	-7.3%	12,045	12,900	352	473	2	2	140	145
Georgia	4,889	4,697	4.1%	3,921	3,743	908	899	0	0	61	55
Maryland	798	944	-15.5%	59	161	659	693	76	85	4	4
North Carolina	4,117	3,926	4.9%	3,477	3,212	609	686	12	11	20	16
South Carolina	1,859	1,989	-6.5%	1,805	1,935	34	36	0	0	20	17
Virginia	4,660	5,814	-19.8%	3,612	4,117	972	1,625	0	2	76	70
West Virginia	153	111	38.4%	5	1	82	56	0	0	66	54
East South Central	12,700	11,135	14.1%	9,175	8,195	3,224	2,630	19	20	283	290
Alabama	4,732	3,939	20.1%	1,402	1,207	3,220	2,613	0	0	111	118
Kentucky	1,337	1,298	3.0%	1,314	1,261	2	15	0	0	22	22
Mississippi	5,009	4,379	14.4%	4,961	4,332	0	0	0	0	48	47
Tennessee	1,622	1,520	6.7%	1,498	1,396	2	2	19	20	103	102
West South Central	26,793	30,664	-12.6%	8,275	10,498	12,499	13,736	63	72	5,956	6,358
Arkansas	1,014	1,635	-38.0%	861	1,494	124	114	NM	NM	25	23
Louisiana	5,062	5,611	-9.8%	2,535	2,962	183	270	18	16	2,326	2,363
Oklahoma	3,009	4,014	-25.0%	1,823	2,407	1,140	1,566	0	0	47	41
Texas	17,707	19,404	-8.7%	3,056	3,635	11,052	11,786	41	53	3,558	3,930
Mountain	9,421	9,619	-2.1%	7,162	7,434	2,097	2,008	35	39	127	139
Arizona	3,735	3,534	5.7%	2,440	2,408	1,283	1,116	11	10	0	0
Colorado	1,333	1,451	-8.2%	1,144	1,286	186	160	0	3	3	2
Idaho	333	473	-29.6%	218	280	97	175	4	4	14	15
Montana	21	33	-35.9%	18	27	3	5	0	0	NM	1
Nevada	2,148	2,145	0.1%	1,940	1,930	191	191	5	5	12	19
New Mexico	903	1,006	-10.2%	560	643	336	354	NM	9	0	0
Utah	855	856	-0.1%	813	809	0	6	7	8	35	33
Wyoming	93	121	-23.2%	29	51	0	0	0	0	63	69
Pacific Contiguous	9,839	10,257	-4.1%	3,559	4,306	5,127	4,779	133	147	1,020	1,024
California	7,100	6,759	5.0%	2,039	2,268	3,994	3,397	128	143	940	950
Oregon	1,655	2,068	-20.0%	849	1,044	791	1,009	4	4	11	11
Washington	1,084	1,430	-24.2%	671	994	343	373	2	0	69	63
Pacific Noncontiguous	155	228	-31.9%	149	224	0	0	0	0	6	4
Alaska	155	228	-31.9%	149	224	0	0	0	0	6	4
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	125,323	133,158	-5.9%	60,140	65,176	55,910	58,122	685	751	8,588	9,108

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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), 2011-January 2021 (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						
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	1,101	1,469,133
2019	1,342,027	129,492	106,113	6,655	1,527	1,585,814
2020	1,366,660	134,616	108,858	6,518	96	1,616,748
Year 2019						
January	106,334	9,270	5,421	448	115	121,589
February	98,163	8,622	4,790	457	110	112,142
March	99,609	8,938	6,638	514	113	115,813
April	87,342	9,177	7,000	445	95	104,059
May	97,486	9,988	9,038	458	89	117,059
June	116,486	10,609	10,114	519	108	137,836
July	141,523	14,581	14,940	746	164	171,955
August	143,822	14,492	15,729	756	169	174,968
Sept	124,789	12,159	11,986	623	140	149,697
October	109,327	11,420	9,492	575	134	130,948
November	101,425	10,331	5,438	578	139	117,910
December	115,721	9,905	5,527	534	151	131,839
Year 2020						
January	117,681	8,647	6,380	440	9	133,158
February	110,769	8,348	6,059	410	8	125,594
March	106,348	9,441	7,375	524	10	123,697
April	93,423	7,603	6,513	412	9	107,960
May	98,833	8,907	7,675	447	9	115,871
June	118,635	13,060	10,959	580	11	143,245
July	145,305	22,005	17,267	855	13	185,445
August	141,816	16,709	14,589	805	7	173,927
Sept	119,694	10,933	10,239	581	5	141,453
October	109,097	11,816	10,120	618	7	131,658
November	94,091	8,550	5,953	439	4	109,037
December	110,966	8,597	5,729	408	4	125,704
Year 2021						
January	111,890	7,378	5,701	349	4	125,323

Values for 2019 and prior years are final. Values for 2020 and 2021 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, January 2021 and 2020 (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	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
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	66	73	-9.5%	0	0	0	0	0	0	66	73
New Jersey	18	20	-10.5%	0	0	0	0	0	0	18	20
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	48	53	-9.1%	0	0	0	0	0	0	48	53
East North Central	378	420	-10.2%	-1	0	187	206	0	0	192	215
Illinois	24	15	59.3%	0	0	0	0	0	0	24	15
Indiana	160	190	-15.7%	0	0	0	0	0	0	160	190
Michigan	134	149	-10.0%	-1	0	135	150	0	0	0	0
Ohio	59	66	-10.5%	0	0	51	56	0	0	8	10
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	3	4	-38.4%	0	0	0	0	0	0	3	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	3	4	-38.4%	0	0	0	0	0	0	3	4
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	16	18	-12.3%	0	0	0	0	0	0	16	18
Delaware	11	14	-20.6%	0	0	0	0	0	0	11	14
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	-100.0%	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	5	4	14.6%	0	0	0	0	0	0	5	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	1	1	-34.8%	0	0	0	0	0	0	1	1
West South Central	370	426	-13.2%	0	0	139	147	0	0	230	280
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	152	179	-15.3%	0	0	0	0	0	0	152	179
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	218	247	-11.7%	0	0	139	147	0	0	79	101
Mountain	37	36	2.8%	0	0	1	1	0	0	36	35
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	-25.7%	0	0	1	1	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	NM	0	0	0	0	0	0	0	0
Wyoming	36	35	3.8%	0	0	0	0	0	0	36	35
Pacific Contiguous	115	125	-8.2%	0	0	0	0	0	0	115	125
California	93	93	0.5%	0	0	0	0	0	0	93	93
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	22	32	-33.2%	0	0	0	0	0	0	22	32
Pacific Noncontiguous	0	1	-100.0%	0	0	0	0	0	0	0	1
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	1	-100.0%	0	0	0	0	0	0	0	1
U.S. Total	985	1,105	-10.9%	-1	0	327	354	0	0	659	752

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

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

by State, by Sector, Year-to-Date through January 2021 and 2020 (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	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 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	66	73	-9.5%	0	0	0	0	0	0	66	73
New Jersey	18	20	-10.5%	0	0	0	0	0	0	18	20
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	48	53	-9.1%	0	0	0	0	0	0	48	53
East North Central	378	420	-10.2%	-1	0	187	206	0	0	192	215
Illinois	24	15	59.3%	0	0	0	0	0	0	24	15
Indiana	160	190	-15.7%	0	0	0	0	0	0	160	190
Michigan	134	149	-10.0%	-1	0	135	150	0	0	0	0
Ohio	59	66	-10.5%	0	0	51	56	0	0	8	10
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	3	4	-38.4%	0	0	0	0	0	0	3	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	3	4	-38.4%	0	0	0	0	0	0	3	4
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	16	18	-12.3%	0	0	0	0	0	0	16	18
Delaware	11	14	-20.6%	0	0	0	0	0	0	11	14
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	-100.0%	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	5	4	14.6%	0	0	0	0	0	0	5	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	1	1	-34.8%	0	0	0	0	0	0	1	1
West South Central	370	426	-13.2%	0	0	139	147	0	0	230	280
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	152	179	-15.3%	0	0	0	0	0	0	152	179
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	218	247	-11.7%	0	0	139	147	0	0	79	101
Mountain	37	36	2.8%	0	0	1	1	0	0	36	35
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	-25.7%	0	0	1	1	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	NM	0	0	0	0	0	0	0	0
Wyoming	36	35	3.8%	0	0	0	0	0	0	36	35
Pacific Contiguous	115	125	-8.2%	0	0	0	0	0	0	115	125
California	93	93	0.5%	0	0	0	0	0	0	93	93
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	22	32	-33.2%	0	0	0	0	0	0	22	32
Pacific Noncontiguous	0	1	-100.0%	0	0	0	0	0	0	0	1
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	1	-100.0%	0	0	0	0	0	0	0	1
U.S. Total	985	1,105	-10.9%	-1	0	327	354	0	0	659	752

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

Table 1.9.A. Utility Scale Facility Net Generation from Nuclear Energy by State, by Sector, January 2021 and 2020 (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	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
New England	2,327	2,484	-6.3%	0	0	2,327	2,484	0	0	0	0
Connecticut	1,400	1,556	-10.0%	0	0	1,400	1,556	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	928	928	0.0%	0	0	928	928	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	13,004	13,617	-4.5%	0	0	13,004	13,617	0	0	0	0
New Jersey	2,661	2,661	0.0%	0	0	2,661	2,661	0	0	0	0
New York	3,274	4,007	-18.3%	0	0	3,274	4,007	0	0	0	0
Pennsylvania	7,069	6,948	1.7%	0	0	7,069	6,948	0	0	0	0
East North Central	14,450	14,370	0.6%	2,571	2,540	11,880	11,830	0	0	0	0
Illinois	8,801	8,735	0.8%	0	0	8,801	8,735	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	3,178	3,147	1.0%	2,571	2,540	608	607	0	0	0	0
Ohio	1,576	1,592	-1.0%	0	0	1,576	1,592	0	0	0	0
Wisconsin	895	897	-0.2%	0	0	895	897	0	0	0	0
West North Central	2,784	4,224	-34.1%	2,784	3,768	0	456	0	0	0	0
Iowa	0	456	-100.0%	0	0	0	456	0	0	0	0
Kansas	912	912	0.0%	912	912	0	0	0	0	0	0
Minnesota	1,309	1,320	-0.9%	1,309	1,320	0	0	0	0	0	0
Missouri	-30	937	-103.2%	-30	937	0	0	0	0	0	0
Nebraska	593	599	-1.0%	593	599	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	18,797	18,845	-0.3%	17,447	17,496	1,351	1,349	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	2,699	2,785	-3.1%	2,699	2,785	0	0	0	0	0	0
Georgia	3,044	3,011	1.1%	3,044	3,011	0	0	0	0	0	0
Maryland	1,351	1,349	0.1%	0	0	1,351	1,349	0	0	0	0
North Carolina	3,919	3,929	-0.3%	3,919	3,929	0	0	0	0	0	0
South Carolina	5,033	5,019	0.3%	5,033	5,019	0	0	0	0	0	0
Virginia	2,753	2,751	0.0%	2,753	2,751	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	8,572	8,417	1.8%	8,572	8,417	0	0	0	0	0	0
Alabama	4,123	3,995	3.2%	4,123	3,995	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	1,037	1,036	0.1%	1,037	1,036	0	0	0	0	0	0
Tennessee	3,413	3,386	0.8%	3,413	3,386	0	0	0	0	0	0
West South Central	6,769	6,685	1.3%	2,969	2,973	3,799	3,712	0	0	0	0
Arkansas	1,370	1,385	-1.1%	1,370	1,385	0	0	0	0	0	0
Louisiana	1,600	1,588	0.7%	1,600	1,588	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3,799	3,712	2.4%	0	0	3,799	3,712	0	0	0	0
Mountain	2,976	2,976	0.0%	2,976	2,976	0	0	0	0	0	0
Arizona	2,976	2,976	0.0%	2,976	2,976	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	2,152	2,551	-15.6%	2,152	2,551	0	0	0	0	0	0
California	1,287	1,690	-23.8%	1,287	1,690	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	865	861	0.4%	865	861	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	71,832	74,170	-3.2%	39,472	40,721	32,361	33,448	0	0	0	0

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

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

by State, by Sector, Year-to-Date through January 2021 and 2020 (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	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD
New England	2,327	2,484	-6.3%	0	0	2,327	2,484	0	0	0	0
Connecticut	1,400	1,556	-10.0%	0	0	1,400	1,556	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	928	928	0.0%	0	0	928	928	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	13,004	13,617	-4.5%	0	0	13,004	13,617	0	0	0	0
New Jersey	2,661	2,661	0.0%	0	0	2,661	2,661	0	0	0	0
New York	3,274	4,007	-18.3%	0	0	3,274	4,007	0	0	0	0
Pennsylvania	7,069	6,948	1.7%	0	0	7,069	6,948	0	0	0	0
East North Central	14,450	14,370	0.6%	2,571	2,540	11,880	11,830	0	0	0	0
Illinois	8,801	8,735	0.8%	0	0	8,801	8,735	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	3,178	3,147	1.0%	2,571	2,540	608	607	0	0	0	0
Ohio	1,576	1,592	-1.0%	0	0	1,576	1,592	0	0	0	0
Wisconsin	895	897	-0.2%	0	0	895	897	0	0	0	0
West North Central	2,784	4,224	-34.1%	2,784	3,768	0	456	0	0	0	0
Iowa	0	456	-100.0%	0	0	0	456	0	0	0	0
Kansas	912	912	0.0%	912	912	0	0	0	0	0	0
Minnesota	1,309	1,320	-0.9%	1,309	1,320	0	0	0	0	0	0
Missouri	-30	937	-103.2%	-30	937	0	0	0	0	0	0
Nebraska	593	599	-1.0%	593	599	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	18,797	18,845	-0.3%	17,447	17,496	1,351	1,349	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	2,699	2,785	-3.1%	2,699	2,785	0	0	0	0	0	0
Georgia	3,044	3,011	1.1%	3,044	3,011	0	0	0	0	0	0
Maryland	1,351	1,349	0.1%	0	0	1,351	1,349	0	0	0	0
North Carolina	3,919	3,929	-0.3%	3,919	3,929	0	0	0	0	0	0
South Carolina	5,033	5,019	0.3%	5,033	5,019	0	0	0	0	0	0
Virginia	2,753	2,751	0.0%	2,753	2,751	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	8,572	8,417	1.8%	8,572	8,417	0	0	0	0	0	0
Alabama	4,123	3,995	3.2%	4,123	3,995	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	1,037	1,036	0.1%	1,037	1,036	0	0	0	0	0	0
Tennessee	3,413	3,386	0.8%	3,413	3,386	0	0	0	0	0	0
West South Central	6,769	6,685	1.3%	2,969	2,973	3,799	3,712	0	0	0	0
Arkansas	1,370	1,385	-1.1%	1,370	1,385	0	0	0	0	0	0
Louisiana	1,600	1,588	0.7%	1,600	1,588	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3,799	3,712	2.4%	0	0	3,799	3,712	0	0	0	0
Mountain	2,976	2,976	0.0%	2,976	2,976	0	0	0	0	0	0
Arizona	2,976	2,976	0.0%	2,976	2,976	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	2,152	2,551	-15.6%	2,152	2,551	0	0	0	0	0	0
California	1,287	1,690	-23.8%	1,287	1,690	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	865	861	0.4%	865	861	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	71,832	74,170	-3.2%	39,472	40,721	32,361	33,448	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.
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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, January 2021 and 2020 (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	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
New England	679	726	-6.5%	94	103	574	612	0	1	10	10
Connecticut	37	40	-7.2%	3	4	34	36	0	0	0	0
Maine	309	327	-5.5%	NM	NM	299	317	0	0	10	10
Massachusetts	85	92	-7.0%	17	18	68	73	0	1	0	0
New Hampshire	128	139	-7.7%	32	34	97	105	0	0	0	0
Rhode Island	1	1	9.1%	0	0	1	1	0	0	0	0
Vermont	118	127	-7.3%	42	46	75	80	0	0	0	0
Middle Atlantic	2,966	3,070	-3.4%	2,189	2,246	770	818	1	1	6	4
New Jersey	3	1	203.9%	0	0	3	1	0	0	0	0
New York	2,656	2,739	-3.0%	2,180	2,235	470	498	1	1	6	4
Pennsylvania	307	331	-7.1%	9	12	298	319	0	0	0	0
East North Central	525	497	5.6%	468	439	NM	47	0	0	NM	NM
Illinois	12	12	0.5%	5	NM	7	9	0	0	0	0
Indiana	22	24	-8.1%	22	24	0	0	0	0	0	0
Michigan	174	162	7.3%	163	150	NM	NM	0	0	NM	NM
Ohio	35	38	-7.1%	24	26	11	12	0	0	0	0
Wisconsin	281	261	7.9%	253	235	NM	NM	0	0	NM	NM
West North Central	1,713	1,627	5.3%	1,681	1,593	NM	NM	0	0	6	7
Iowa	84	80	4.8%	83	79	1	1	0	0	0	0
Kansas	2	4	-36.5%	0	0	2	4	0	0	0	0
Minnesota	110	105	4.2%	81	76	NM	NM	0	0	6	7
Missouri	191	209	-8.6%	191	209	0	0	0	0	0	0
Nebraska	146	132	10.4%	146	132	0	0	0	0	0	0
North Dakota	338	317	6.4%	338	317	0	0	0	0	0	0
South Dakota	842	779	8.1%	842	779	0	0	0	0	0	0
South Atlantic	1,644	1,827	-10.0%	1,351	1,483	240	288	2	2	51	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	18	19	-5.9%	18	19	0	0	0	0	0	0
Georgia	334	384	-13.1%	331	380	NM	NM	0	0	1	NM
Maryland	182	227	-19.9%	0	0	182	227	0	0	0	0
North Carolina	560	606	-7.6%	553	599	5	NM	2	1	NM	NM
South Carolina	270	296	-8.9%	262	287	8	9	0	0	0	0
Virginia	131	136	-4.2%	123	130	7	NM	0	0	0	0
West Virginia	150	159	-5.9%	64	68	36	39	0	0	49	52
East South Central	2,339	2,528	-7.5%	2,339	2,527	NM	NM	0	0	0	0
Alabama	1,025	1,220	-16.0%	1,025	1,220	0	0	0	0	0	0
Kentucky	423	358	18.2%	422	357	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	892	950	-6.2%	892	950	0	0	0	0	0	0
West South Central	990	1,041	-4.9%	861	907	129	134	NM	NM	0	0
Arkansas	370	386	-4.1%	364	381	6	NM	0	0	0	0
Louisiana	120	126	-4.9%	0	0	120	126	0	0	0	0
Oklahoma	341	362	-5.8%	341	362	0	0	0	0	0	0
Texas	159	167	-4.6%	156	164	3	3	NM	NM	0	0
Mountain	3,304	2,930	12.8%	3,165	2,808	139	122	1	0	0	0
Arizona	559	520	7.5%	559	520	0	0	0	0	0	0
Colorado	204	163	25.5%	178	140	NM	NM	1	0	0	0
Idaho	1,113	998	11.5%	1,025	920	88	78	0	0	0	0
Montana	1,084	967	12.2%	1,068	952	NM	NM	0	0	0	0
Nevada	122	92	33.1%	116	86	NM	NM	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	96	84	14.9%	94	82	2	1	0	0	0	0
Wyoming	107	94	14.6%	107	94	0	0	0	0	0	0
Pacific Contiguous	11,811	10,919	8.2%	11,702	10,773	107	146	2	NM	0	0
California	715	1,556	-54.0%	672	1,469	NM	87	2	NM	0	0
Oregon	3,585	3,080	16.4%	3,557	3,056	NM	NM	0	0	0	0
Washington	7,511	6,283	19.5%	7,472	6,249	NM	NM	0	0	0	0
Pacific Noncontiguous	188	166	13.2%	164	144	3	4	NM	NM	NM	NM
Alaska	179	156	14.8%	164	143	0	0	NM	NM	0	0
Hawaii	NM	NM	NM	0	1	3	4	0	0	NM	NM
U.S. Total	26,159	25,332	3.3%	24,015	23,024	2,032	2,198	NM	NM	92	93

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

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

by State, by Sector, Year-to-Date through January 2021 and 2020 (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	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD
New England	679	726	-6.5%	94	103	574	612	0	1	10	10
Connecticut	37	40	-7.2%	3	4	34	36	0	0	0	0
Maine	309	327	-5.5%	NM	NM	299	317	0	0	10	10
Massachusetts	85	92	-7.0%	17	18	68	73	0	1	0	0
New Hampshire	128	139	-7.7%	32	34	97	105	0	0	0	0
Rhode Island	1	1	9.1%	0	0	1	1	0	0	0	0
Vermont	118	127	-7.3%	42	46	75	80	0	0	0	0
Middle Atlantic	2,966	3,070	-3.4%	2,189	2,246	770	818	1	1	6	4
New Jersey	3	1	203.9%	0	0	3	1	0	0	0	0
New York	2,656	2,739	-3.0%	2,180	2,235	470	498	1	1	6	4
Pennsylvania	307	331	-7.1%	9	12	298	319	0	0	0	0
East North Central	525	497	5.6%	468	439	NM	47	0	0	NM	NM
Illinois	12	12	0.5%	5	NM	7	9	0	0	0	0
Indiana	22	24	-8.1%	22	24	0	0	0	0	0	0
Michigan	174	162	7.3%	163	150	NM	NM	0	0	NM	NM
Ohio	35	38	-7.1%	24	26	11	12	0	0	0	0
Wisconsin	281	261	7.9%	253	235	NM	NM	0	0	NM	NM
West North Central	1,713	1,627	5.3%	1,681	1,593	NM	NM	0	0	6	7
Iowa	84	80	4.8%	83	79	1	1	0	0	0	0
Kansas	2	4	-36.5%	0	0	2	4	0	0	0	0
Minnesota	110	105	4.2%	81	76	NM	NM	0	0	6	7
Missouri	191	209	-8.6%	191	209	0	0	0	0	0	0
Nebraska	146	132	10.4%	146	132	0	0	0	0	0	0
North Dakota	338	317	6.4%	338	317	0	0	0	0	0	0
South Dakota	842	779	8.1%	842	779	0	0	0	0	0	0
South Atlantic	1,644	1,827	-10.0%	1,351	1,483	240	288	2	2	51	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	18	19	-5.9%	18	19	0	0	0	0	0	0
Georgia	334	384	-13.1%	331	380	NM	NM	0	0	1	NM
Maryland	182	227	-19.9%	0	0	182	227	0	0	0	0
North Carolina	560	606	-7.6%	553	599	5	NM	2	1	NM	NM
South Carolina	270	296	-8.9%	262	287	8	9	0	0	0	0
Virginia	131	136	-4.2%	123	130	7	NM	0	0	0	0
West Virginia	150	159	-5.9%	64	68	36	39	0	0	49	52
East South Central	2,339	2,528	-7.5%	2,339	2,527	NM	NM	0	0	0	0
Alabama	1,025	1,220	-16.0%	1,025	1,220	0	0	0	0	0	0
Kentucky	423	358	18.2%	422	357	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	892	950	-6.2%	892	950	0	0	0	0	0	0
West South Central	990	1,041	-4.9%	861	907	129	134	NM	NM	0	0
Arkansas	370	386	-4.1%	364	381	6	NM	0	0	0	0
Louisiana	120	126	-4.9%	0	0	120	126	0	0	0	0
Oklahoma	341	362	-5.8%	341	362	0	0	0	0	0	0
Texas	159	167	-4.6%	156	164	3	3	NM	NM	0	0
Mountain	3,304	2,930	12.8%	3,165	2,808	139	122	1	0	0	0
Arizona	559	520	7.5%	559	520	0	0	0	0	0	0
Colorado	204	163	25.5%	178	140	NM	NM	1	0	0	0
Idaho	1,113	998	11.5%	1,025	920	88	78	0	0	0	0
Montana	1,084	967	12.2%	1,068	952	NM	NM	0	0	0	0
Nevada	122	92	33.1%	116	86	NM	NM	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	96	84	14.9%	94	82	2	1	0	0	0	0
Wyoming	107	94	14.6%	107	94	0	0	0	0	0	0
Pacific Contiguous	11,811	10,919	8.2%	11,702	10,773	107	146	2	NM	0	0
California	715	1,556	-54.0%	672	1,469	NM	87	2	NM	0	0
Oregon	3,585	3,080	16.4%	3,557	3,056	NM	NM	0	0	0	0
Washington	7,511	6,283	19.5%	7,472	6,249	NM	NM	0	0	0	0
Pacific Noncontiguous	188	166	13.2%	164	144	3	4	NM	NM	NM	NM
Alaska	179	156	14.8%	164	143	0	0	NM	NM	0	0
Hawaii	NM	NM	NM	0	1	3	4	0	0	NM	NM
U.S. Total	26,159	25,332	3.3%	24,015	23,024	2,032	2,198	NM	NM	92	93

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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 1.11.A. Utility Scale Facility Net Generation from Renewable Sources Excluding Hydroelectric by State, by Sector, January 2021 and 2020 (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	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
New England	972	938	3.6%	55	66	796	761	14	11	107	99
Connecticut	74	78	-4.7%	0	0	73	77	NM	NM	NM	NM
Maine	460	394	16.9%	0	0	349	291	5	4	107	99
Massachusetts	196	195	0.4%	12	13	178	176	5	5	NM	NM
New Hampshire	126	148	-14.4%	0	12	123	134	4	1	0	0
Rhode Island	49	51	-2.8%	0	0	49	50	1	0	0	0
Vermont	66	73	-9.3%	42	40	NM	32	0	0	0	0
Middle Atlantic	1,218	1,352	-9.9%	5	5	1,110	1,244	54	53	49	51
New Jersey	159	157	1.6%	5	5	131	129	23	22	NM	NM
New York	564	645	-12.6%	0	0	531	613	18	16	15	16
Pennsylvania	494	550	-10.1%	0	0	448	502	13	14	33	34
East North Central	3,693	3,492	5.8%	429	436	3,112	2,916	15	15	136	126
Illinois	1,651	1,465	12.7%	11	13	1,639	1,452	NM	NM	0	0
Indiana	739	665	11.2%	43	40	689	618	2	2	6	5
Michigan	787	793	-0.8%	251	246	474	496	4	4	58	47
Ohio	261	292	-10.6%	NM	NM	228	260	1	1	30	29
Wisconsin	254	276	-7.9%	122	135	82	90	7	6	43	44
West North Central	9,594	8,142	17.8%	3,231	2,705	6,287	5,361	17	16	59	60
Iowa	3,107	2,609	19.1%	2,316	1,813	786	788	2	4	3	5
Kansas	2,124	1,904	11.5%	150	152	1,972	1,751	NM	NM	0	0
Minnesota	1,244	1,174	6.0%	214	232	966	884	9	4	55	55
Missouri	513	265	93.8%	38	3	472	257	4	5	0	0
Nebraska	752	720	4.6%	33	36	718	682	1	1	0	0
North Dakota	1,172	1,104	6.2%	422	405	749	698	NM	NM	NM	NM
South Dakota	681	365	86.3%	57	64	624	301	0	0	0	0
South Atlantic	3,530	3,172	11.3%	760	546	1,914	1,701	29	31	827	895
Delaware	9	9	-1.2%	NM	NM	7	7	1	1	NM	NM
District of Columbia	6	6	-7.0%	0	0	NM	NM	5	5	0	0
Florida	907	736	23.2%	539	369	224	198	4	4	141	165
Georgia	741	675	9.8%	24	19	398	300	NM	NM	318	355
Maryland	125	105	19.6%	NM	NM	122	101	3	3	0	0
North Carolina	789	763	3.3%	42	34	634	621	6	6	107	102
South Carolina	315	281	12.1%	7	7	169	135	0	0	139	138
Virginia	442	396	11.6%	148	116	162	136	11	12	121	132
West Virginia	197	201	-1.9%	0	0	197	201	0	0	0	0
East South Central	582	593	-1.8%	11	12	76	72	NM	NM	495	509
Alabama	323	315	2.3%	NM	NM	21	21	0	0	300	293
Kentucky	36	34	5.6%	10	10	1	1	0	0	25	23
Mississippi	151	139	9.0%	0	0	27	24	0	0	124	115
Tennessee	73	105	-30.8%	NM	NM	27	27	NM	NM	46	78
West South Central	11,912	11,497	3.6%	150	154	11,379	10,948	5	6	378	388
Arkansas	122	108	13.0%	NM	NM	33	19	1	1	88	87
Louisiana	203	200	1.5%	3	3	15	8	0	0	185	189
Oklahoma	2,818	2,694	4.6%	126	127	2,665	2,538	0	0	28	29
Texas	8,770	8,495	3.2%	22	24	8,667	8,383	4	4	78	84
Mountain	5,073	4,332	17.1%	847	532	4,056	3,722	53	46	116	33
Arizona	483	408	18.3%	40	42	442	366	NM	NM	0	0
Colorado	1,373	1,248	10.0%	346	233	1,026	1,011	NM	NM	0	0
Idaho	291	314	-7.3%	15	17	242	265	2	1	31	31
Montana	285	276	3.1%	21	23	262	251	0	0	2	2
Nevada	686	663	3.5%	10	10	628	613	48	39	0	0
New Mexico	894	779	14.8%	149	21	745	758	NM	NM	0	0
Utah	254	218	16.4%	11	NM	242	210	1	1	0	0
Wyoming	807	426	89.3%	255	179	468	247	0	0	83	0
Pacific Contiguous	5,711	5,838	-2.2%	478	626	4,941	4,922	80	79	213	211
California	4,312	4,145	4.0%	147	114	4,020	3,888	76	76	69	67
Oregon	675	803	-15.9%	48	89	574	664	2	2	50	47
Washington	724	890	-18.6%	284	422	346	370	2	2	93	96
Pacific Noncontiguous	151	131	15.1%	16	17	116	96	19	19	NM	NM
Alaska	16	18	-9.4%	NM	9	NM	NM	4	3	NM	NM
Hawaii	135	114	18.9%	8	8	111	91	16	16	0	0
U.S. Total	42,437	39,485	7.5%	5,984	5,097	33,786	31,742	287	275	2,380	2,371

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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 January 2021 and 2020 (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	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD
New England	972	938	3.6%	55	66	796	761	14	11	107	99
Connecticut	74	78	-4.7%	0	0	73	77	NM	NM	NM	NM
Maine	460	394	16.9%	0	0	349	291	5	4	107	99
Massachusetts	196	195	0.4%	12	13	178	176	5	5	NM	NM
New Hampshire	126	148	-14.4%	0	12	123	134	4	1	0	0
Rhode Island	49	51	-2.8%	0	0	49	50	1	0	0	0
Vermont	66	73	-9.3%	42	40	NM	32	0	0	0	0
Middle Atlantic	1,218	1,352	-9.9%	5	5	1,110	1,244	54	53	49	51
New Jersey	159	157	1.6%	5	5	131	129	23	22	NM	NM
New York	564	645	-12.6%	0	0	531	613	18	16	15	16
Pennsylvania	494	550	-10.1%	0	0	448	502	13	14	33	34
East North Central	3,693	3,492	5.8%	429	436	3,112	2,916	15	15	136	126
Illinois	1,651	1,465	12.7%	11	13	1,639	1,452	NM	NM	0	0
Indiana	739	665	11.2%	43	40	689	618	2	2	6	5
Michigan	787	793	-0.8%	251	246	474	496	4	4	58	47
Ohio	261	292	-10.6%	NM	NM	228	260	1	1	30	29
Wisconsin	254	276	-7.9%	122	135	82	90	7	6	43	44
West North Central	9,594	8,142	17.8%	3,231	2,705	6,287	5,361	17	16	59	60
Iowa	3,107	2,609	19.1%	2,316	1,813	786	788	2	4	3	5
Kansas	2,124	1,904	11.5%	150	152	1,972	1,751	NM	NM	0	0
Minnesota	1,244	1,174	6.0%	214	232	966	884	9	4	55	55
Missouri	513	265	93.8%	38	3	472	257	4	5	0	0
Nebraska	752	720	4.6%	33	36	718	682	1	1	0	0
North Dakota	1,172	1,104	6.2%	422	405	749	698	NM	NM	NM	NM
South Dakota	681	365	86.3%	57	64	624	301	0	0	0	0
South Atlantic	3,530	3,172	11.3%	760	546	1,914	1,701	29	31	827	895
Delaware	9	9	-1.2%	NM	NM	7	7	1	1	NM	NM
District of Columbia	6	6	-7.0%	0	0	NM	NM	5	5	0	0
Florida	907	736	23.2%	539	369	224	198	4	4	141	165
Georgia	741	675	9.8%	24	19	398	300	NM	NM	318	355
Maryland	125	105	19.6%	NM	NM	122	101	3	3	0	0
North Carolina	789	763	3.3%	42	34	634	621	6	6	107	102
South Carolina	315	281	12.1%	7	7	169	135	0	0	139	138
Virginia	442	396	11.6%	148	116	162	136	11	12	121	132
West Virginia	197	201	-1.9%	0	0	197	201	0	0	0	0
East South Central	582	593	-1.8%	11	12	76	72	NM	NM	495	509
Alabama	323	315	2.3%	NM	NM	21	21	0	0	300	293
Kentucky	36	34	5.6%	10	10	1	1	0	0	25	23
Mississippi	151	139	9.0%	0	0	27	24	0	0	124	115
Tennessee	73	105	-30.8%	NM	NM	27	27	NM	NM	46	78
West South Central	11,912	11,497	3.6%	150	154	11,379	10,948	5	6	378	388
Arkansas	122	108	13.0%	NM	NM	33	19	1	1	88	87
Louisiana	203	200	1.5%	3	3	15	8	0	0	185	189
Oklahoma	2,818	2,694	4.6%	126	127	2,665	2,538	0	0	28	29
Texas	8,770	8,495	3.2%	22	24	8,667	8,383	4	4	78	84
Mountain	5,073	4,332	17.1%	847	532	4,056	3,722	53	46	116	33
Arizona	483	408	18.3%	40	42	442	366	NM	NM	0	0
Colorado	1,373	1,248	10.0%	346	233	1,026	1,011	NM	NM	0	0
Idaho	291	314	-7.3%	15	17	242	265	2	1	31	31
Montana	285	276	3.1%	21	23	262	251	0	0	2	2
Nevada	686	663	3.5%	10	10	628	613	48	39	0	0
New Mexico	894	779	14.8%	149	21	745	758	NM	NM	0	0
Utah	254	218	16.4%	11	NM	242	210	1	1	0	0
Wyoming	807	426	89.3%	255	179	468	247	0	0	83	0
Pacific Contiguous	5,711	5,838	-2.2%	478	626	4,941	4,922	80	79	213	211
California	4,312	4,145	4.0%	147	114	4,020	3,888	76	76	69	67
Oregon	675	803	-15.9%	48	89	574	664	2	2	50	47
Washington	724	890	-18.6%	284	422	346	370	2	2	93	96
Pacific Noncontiguous	151	131	15.1%	16	17	116	96	19	19	NM	NM
Alaska	16	18	-9.4%	NM	9	NM	NM	4	3	NM	NM
Hawaii	135	114	18.9%	8	8	111	91	16	16	0	0
U.S. Total	42,437	39,485	7.5%	5,984	5,097	33,786	31,742	287	275	2,380	2,371

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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, January 2021 and 2020 (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	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
New England	-24	-19	27.8%	0	0	-24	-19	0	0	0	0
Connecticut	9	5	77.8%	0	0	9	5	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-33	-24	38.5%	0	0	-33	-24	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	-92	-62	47.8%	-31	-29	-60	-33	0	0	0	0
New Jersey	-7	-9	-20.9%	-7	-9	0	0	0	0	0	0
New York	-24	-20	18.6%	-24	-20	0	0	0	0	0	0
Pennsylvania	-60	-33	84.7%	0	0	-60	-33	0	0	0	0
East North Central	-55	-59	-6.2%	-55	-59	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	-59	-6.2%	-55	-59	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	5	-156.4%	-3	5	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	-3	5	-156.4%	-3	5	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	-137	-112	22.5%	-137	-112	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	-10	-27	-62.4%	-10	-27	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	-50	-23	112.7%	-50	-23	0	0	0	0	0	0
Virginia	-77	-61	26.3%	-77	-61	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-49	-53	-7.3%	-49	-53	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	-49	-53	-7.3%	-49	-53	0	0	0	0	0	0
West South Central	-5	-5	1.8%	-5	-5	0	0	0	0	0	0
Arkansas	1	1	-16.8%	1	1	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-6	-6	-1.7%	-6	-6	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-35	-13	172.0%	-35	-13	0	0	0	0	0	0
Arizona	-17	-5	237.2%	-17	-5	0	0	0	0	0	0
Colorado	-18	-8	129.2%	-18	-8	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	-24	-60	-59.0%	-24	-60	0	0	0	0	0	0
California	-24	-62	-61.9%	-24	-62	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	-1	3	-125.3%	-1	3	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	-424	-377	12.6%	-340	-325	-85	-52	0	0	0	0

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

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

by State, by Sector, Year-to-Date through January 2021 and 2020 (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	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD
New England	-24	-19	27.8%	0	0	-24	-19	0	0	0	0
Connecticut	9	5	77.8%	0	0	9	5	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-33	-24	38.5%	0	0	-33	-24	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	-92	-62	47.8%	-31	-29	-60	-33	0	0	0	0
New Jersey	-7	-9	-20.9%	-7	-9	0	0	0	0	0	0
New York	-24	-20	18.6%	-24	-20	0	0	0	0	0	0
Pennsylvania	-60	-33	84.7%	0	0	-60	-33	0	0	0	0
East North Central	-55	-59	-6.2%	-55	-59	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	-59	-6.2%	-55	-59	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	5	-156.4%	-3	5	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	-3	5	-156.4%	-3	5	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	-137	-112	22.5%	-137	-112	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	-10	-27	-62.4%	-10	-27	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	-50	-23	112.7%	-50	-23	0	0	0	0	0	0
Virginia	-77	-61	26.3%	-77	-61	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-49	-53	-7.3%	-49	-53	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	-49	-53	-7.3%	-49	-53	0	0	0	0	0	0
West South Central	-5	-5	1.8%	-5	-5	0	0	0	0	0	0
Arkansas	1	1	-16.8%	1	1	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-6	-6	-1.7%	-6	-6	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-35	-13	172.0%	-35	-13	0	0	0	0	0	0
Arizona	-17	-5	237.2%	-17	-5	0	0	0	0	0	0
Colorado	-18	-8	129.2%	-18	-8	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	-24	-60	-59.0%	-24	-60	0	0	0	0	0	0
California	-24	-62	-61.9%	-24	-62	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	-1	3	-125.3%	-1	3	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	-424	-377	12.6%	-340	-325	-85	-52	0	0	0	0

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

Table 1.13.A. Utility Scale Facility Net Generation from Other Energy Sources by State, by Sector, January 2021 and 2020 (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	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
New England	160	163	-1.5%	0	0	143	149	5	5	12	10
Connecticut	47	50	-5.3%	0	0	47	50	0	0	0	0
Maine	30	26	12.1%	0	0	13	12	5	5	12	10
Massachusetts	79	83	-4.4%	0	0	79	83	0	0	0	0
New Hampshire	4	4	6.3%	0	0	4	4	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	-143.0%	0	0	0	0	0	0	0	0
Middle Atlantic	217	220	-1.3%	0	0	164	170	47	44	6	6
New Jersey	58	57	2.1%	0	0	36	36	16	15	6	6
New York	78	82	-4.6%	0	0	58	64	20	18	0	0
Pennsylvania	80	80	-0.3%	0	0	70	70	10	10	0	0
East North Central	83	74	12.3%	2	2	6	6	7	7	68	59
Illinois	23	21	8.2%	0	0	-2	-2	0	0	24	23
Indiana	43	36	21.3%	0	0	0	0	2	2	41	33
Michigan	14	14	5.1%	0	0	8	7	5	5	2	1
Ohio	1	0	NM	0	0	0	0	0	0	1	0
Wisconsin	2	4	-48.7%	2	2	0	0	0	0	0	NM
West North Central	31	31	0.6%	14	12	13	11	3	3	0	5
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	-1.2%	0	0	0	0	0	0	0	0
Minnesota	26	26	1.2%	10	8	13	11	3	3	0	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	4	4	-3.1%	4	4	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	377	336	12.3%	0	0	220	218	13	13	144	105
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	260	217	20.0%	0	0	146	144	0	0	114	73
Georgia	7	8	-19.0%	0	0	0	0	0	0	7	8
Maryland	31	11	190.0%	0	0	31	11	0	0	0	0
North Carolina	37	48	-22.1%	0	0	17	28	0	0	20	20
South Carolina	4	4	-5.1%	0	0	1	1	0	0	3	4
Virginia	39	49	-19.8%	0	0	27	36	13	13	0	0
West Virginia	-1	-1	20.4%	0	0	-1	-1	0	0	0	0
East South Central	8	6	32.7%	7	5	0	0	0	0	NM	NM
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	7	5	48.3%	7	5	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	NM	NM	NM	0	0	0	0	0	0	NM	NM
West South Central	80	83	-3.0%	0	0	7	6	0	0	74	76
Arkansas	1	1	96.8%	0	0	0	0	0	0	1	1
Louisiana	29	39	-26.8%	0	0	0	0	0	0	29	39
Oklahoma	0	0	-147.2%	0	0	0	0	0	0	0	0
Texas	51	43	17.9%	0	0	7	6	0	0	44	36
Mountain	60	61	-1.5%	7	7	26	23	0	0	26	30
Arizona	0	0	1.0%	0	0	0	0	0	0	0	0
Colorado	4	6	-36.8%	0	0	0	2	0	0	4	4
Idaho	0	6	-100.0%	0	0	0	0	0	0	0	6
Montana	27	22	23.6%	0	0	27	22	0	0	0	0
Nevada	3	3	6.6%	3	3	0	0	0	0	0	0
New Mexico	0	0	23.5%	0	0	0	0	0	0	0	0
Utah	20	18	12.9%	4	5	0	0	0	0	16	13
Wyoming	7	7	2.8%	0	0	0	0	0	0	7	7
Pacific Contiguous	60	76	-21.7%	-1	-1	24	26	0	0	37	51
California	50	67	-25.2%	-1	-1	14	17	0	0	37	51
Oregon	4	4	4.7%	0	0	4	4	0	0	0	0
Washington	6	6	1.2%	0	0	6	6	0	0	0	0
Pacific Noncontiguous	32	35	-9.4%	13	16	0	0	19	19	0	0
Alaska	0	0	4.5%	0	0	0	0	0	0	0	0
Hawaii	32	35	-9.3%	13	16	0	0	19	19	0	0
U.S. Total	1,108	1,084	2.2%	42	41	604	608	94	91	368	344

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

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

by State, by Sector, Year-to-Date through January 2021 and 2020 (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	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD
New England	160	163	-1.5%	0	0	143	149	5	5	12	10
Connecticut	47	50	-5.3%	0	0	47	50	0	0	0	0
Maine	30	26	12.1%	0	0	13	12	5	5	12	10
Massachusetts	79	83	-4.4%	0	0	79	83	0	0	0	0
New Hampshire	4	4	6.3%	0	0	4	4	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	-143.0%	0	0	0	0	0	0	0	0
Middle Atlantic	217	220	-1.3%	0	0	164	170	47	44	6	6
New Jersey	58	57	2.1%	0	0	36	36	16	15	6	6
New York	78	82	-4.6%	0	0	58	64	20	18	0	0
Pennsylvania	80	80	-0.3%	0	0	70	70	10	10	0	0
East North Central	83	74	12.3%	2	2	6	6	7	7	68	59
Illinois	23	21	8.2%	0	0	-2	-2	0	0	24	23
Indiana	43	36	21.3%	0	0	0	0	2	2	41	33
Michigan	14	14	5.1%	0	0	8	7	5	5	2	1
Ohio	1	0	NM	0	0	0	0	0	0	1	0
Wisconsin	2	4	-48.7%	2	2	0	0	0	0	0	NM
West North Central	31	31	0.6%	14	12	13	11	3	3	0	5
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	-1.2%	0	0	0	0	0	0	0	0
Minnesota	26	26	1.2%	10	8	13	11	3	3	0	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	4	4	-3.1%	4	4	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	377	336	12.3%	0	0	220	218	13	13	144	105
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	260	217	20.0%	0	0	146	144	0	0	114	73
Georgia	7	8	-19.0%	0	0	0	0	0	0	7	8
Maryland	31	11	190.0%	0	0	31	11	0	0	0	0
North Carolina	37	48	-22.1%	0	0	17	28	0	0	20	20
South Carolina	4	4	-5.1%	0	0	1	1	0	0	3	4
Virginia	39	49	-19.8%	0	0	27	36	13	13	0	0
West Virginia	-1	-1	20.4%	0	0	-1	-1	0	0	0	0
East South Central	8	6	32.7%	7	5	0	0	0	0	NM	NM
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	7	5	48.3%	7	5	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	NM	NM	NM	0	0	0	0	0	0	NM	NM
West South Central	80	83	-3.0%	0	0	7	6	0	0	74	76
Arkansas	1	1	96.8%	0	0	0	0	0	0	1	1
Louisiana	29	39	-26.8%	0	0	0	0	0	0	29	39
Oklahoma	0	0	-147.2%	0	0	0	0	0	0	0	0
Texas	51	43	17.9%	0	0	7	6	0	0	44	36
Mountain	60	61	-1.5%	7	7	26	23	0	0	26	30
Arizona	0	0	1.0%	0	0	0	0	0	0	0	0
Colorado	4	6	-36.8%	0	0	0	2	0	0	4	4
Idaho	0	6	-100.0%	0	0	0	0	0	0	0	6
Montana	27	22	23.6%	0	0	27	22	0	0	0	0
Nevada	3	3	6.6%	3	3	0	0	0	0	0	0
New Mexico	0	0	23.5%	0	0	0	0	0	0	0	0
Utah	20	18	12.9%	4	5	0	0	0	0	16	13
Wyoming	7	7	2.8%	0	0	0	0	0	0	7	7
Pacific Contiguous	60	76	-21.7%	-1	-1	24	26	0	0	37	51
California	50	67	-25.2%	-1	-1	14	17	0	0	37	51
Oregon	4	4	4.7%	0	0	4	4	0	0	0	0
Washington	6	6	1.2%	0	0	6	6	0	0	0	0
Pacific Noncontiguous	32	35	-9.4%	13	16	0	0	19	19	0	0
Alaska	0	0	4.5%	0	0	0	0	0	0	0	0
Hawaii	32	35	-9.3%	13	16	0	0	19	19	0	0
U.S. Total	1,108	1,084	2.2%	42	41	604	608	94	91	368	344

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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, January 2021 and 2020 (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	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
New England	360	317	13.6%	20	16	337	298	3	3	NM	NM
Connecticut	2	1	66.1%	0	0	2	1	0	0	0	0
Maine	254	200	26.9%	0	0	254	200	0	0	0	0
Massachusetts	17	21	-18.4%	6	7	NM	11	2	3	NM	NM
New Hampshire	44	50	-11.6%	0	0	44	50	0	0	0	0
Rhode Island	21	22	-1.6%	0	0	20	21	1	0	0	0
Vermont	22	23	-5.1%	14	9	8	14	0	0	0	0
Middle Atlantic	652	784	-16.9%	0	0	652	784	NM	NM	NM	NM
New Jersey	2	2	-15.3%	0	0	2	2	0	0	0	0
New York	329	425	-22.5%	0	0	328	424	NM	NM	NM	NM
Pennsylvania	321	358	-10.1%	0	0	321	358	0	0	0	0
East North Central	3,142	2,982	5.4%	321	349	2,810	2,622	NM	NM	NM	8
Illinois	1,601	1,422	12.6%	NM	NM	1,600	1,421	NM	NM	0	0
Indiana	674	604	11.7%	0	0	674	604	0	0	0	0
Michigan	560	587	-4.6%	248	242	312	344	0	0	0	0
Ohio	190	212	-10.8%	NM	NM	180	204	0	0	NM	7
Wisconsin	117	157	-25.2%	71	104	44	50	NM	NM	1	1
West North Central	9,326	7,909	17.9%	3,205	2,684	6,118	5,221	NM	NM	0	0
Iowa	3,083	2,590	19.0%	2,315	1,812	768	778	0	0	0	0
Kansas	2,115	1,898	11.5%	150	152	1,964	1,745	NM	NM	0	0
Minnesota	1,036	995	4.1%	199	222	835	771	NM	NM	0	0
Missouri	499	248	100.9%	35	0	464	248	0	0	0	0
Nebraska	742	709	4.5%	26	29	715	680	0	0	0	0
North Dakota	1,171	1,104	6.1%	422	405	749	698	NM	NM	0	0
South Dakota	681	365	86.3%	57	64	624	301	0	0	0	0
South Atlantic	305	319	-4.3%	4	0	301	319	1	1	0	0
Delaware	1	1	-8.6%	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	58	57	2.2%	0	0	58	57	0	0	0	0
North Carolina	46	61	-25.2%	0	0	46	61	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	4	0	--	4	0	0	0	0	0	0	0
West Virginia	197	201	-1.9%	0	0	197	201	0	0	0	0
East South Central	NM	NM	NM	0	0	NM	NM	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	NM	NM	NM	0	0	NM	NM	0	0	0	0
West South Central	10,797	10,710	0.8%	143	147	10,650	10,557	3	4	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	2,785	2,660	4.7%	122	124	2,663	2,536	0	0	0	0
Texas	8,012	8,049	-0.5%	21	23	7,987	8,022	3	4	NM	NM
Mountain	3,583	2,906	23.3%	764	450	2,735	2,453	NM	NM	83	0
Arizona	126	43	195.4%	0	0	126	43	0	0	0	0
Colorado	1,278	1,157	10.5%	346	233	932	922	0	NM	0	0
Idaho	217	244	-10.9%	14	15	204	229	0	0	0	0
Montana	282	273	3.1%	21	23	261	250	0	0	0	0
Nevada	31	23	35.5%	0	0	31	23	0	0	0	0
New Mexico	790	683	15.7%	129	0	661	682	NM	NM	0	0
Utah	61	65	-6.1%	0	0	61	65	0	0	0	0
Wyoming	798	418	90.8%	255	179	459	239	0	0	83	0
Pacific Contiguous	2,189	2,552	-14.2%	350	514	1,838	2,038	1	1	0	0
California	1,084	1,133	-4.4%	47	35	1,036	1,097	1	1	0	0
Oregon	508	665	-23.6%	42	83	466	581	0	0	0	0
Washington	597	754	-20.9%	262	395	335	359	0	0	0	0
Pacific Noncontiguous	69	63	8.6%	NM	9	61	54	0	0	0	0
Alaska	12	14	-13.9%	NM	9	NM	NM	0	0	0	0
Hawaii	56	49	15.2%	0	0	56	49	0	0	0	0
U.S. Total	30,427	28,547	6.6%	4,814	4,169	25,504	24,351	15	18	94	9

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

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

by State, by Sector, Year-to-Date through January 2021 and 2020 (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	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD
New England	360	317	13.6%	20	16	337	298	3	3	NM	NM
Connecticut	2	1	66.1%	0	0	2	1	0	0	0	0
Maine	254	200	26.9%	0	0	254	200	0	0	0	0
Massachusetts	17	21	-18.4%	6	7	NM	11	2	3	NM	NM
New Hampshire	44	50	-11.6%	0	0	44	50	0	0	0	0
Rhode Island	21	22	-1.6%	0	0	20	21	1	0	0	0
Vermont	22	23	-5.1%	14	9	8	14	0	0	0	0
Middle Atlantic	652	784	-16.9%	0	0	652	784	NM	NM	NM	NM
New Jersey	2	2	-15.3%	0	0	2	2	0	0	0	0
New York	329	425	-22.5%	0	0	328	424	NM	NM	NM	NM
Pennsylvania	321	358	-10.1%	0	0	321	358	0	0	0	0
East North Central	3,142	2,982	5.4%	321	349	2,810	2,622	NM	NM	NM	8
Illinois	1,601	1,422	12.6%	NM	NM	1,600	1,421	NM	NM	0	0
Indiana	674	604	11.7%	0	0	674	604	0	0	0	0
Michigan	560	587	-4.6%	248	242	312	344	0	0	0	0
Ohio	190	212	-10.8%	NM	NM	180	204	0	0	NM	7
Wisconsin	117	157	-25.2%	71	104	44	50	NM	NM	1	1
West North Central	9,326	7,909	17.9%	3,205	2,684	6,118	5,221	NM	NM	0	0
Iowa	3,083	2,590	19.0%	2,315	1,812	768	778	0	0	0	0
Kansas	2,115	1,898	11.5%	150	152	1,964	1,745	NM	NM	0	0
Minnesota	1,036	995	4.1%	199	222	835	771	NM	NM	0	0
Missouri	499	248	100.9%	35	0	464	248	0	0	0	0
Nebraska	742	709	4.5%	26	29	715	680	0	0	0	0
North Dakota	1,171	1,104	6.1%	422	405	749	698	NM	NM	0	0
South Dakota	681	365	86.3%	57	64	624	301	0	0	0	0
South Atlantic	305	319	-4.3%	4	0	301	319	1	1	0	0
Delaware	1	1	-8.6%	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	58	57	2.2%	0	0	58	57	0	0	0	0
North Carolina	46	61	-25.2%	0	0	46	61	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	4	0	--	4	0	0	0	0	0	0	0
West Virginia	197	201	-1.9%	0	0	197	201	0	0	0	0
East South Central	NM	NM	NM	0	0	NM	NM	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	NM	NM	NM	0	0	NM	NM	0	0	0	0
West South Central	10,797	10,710	0.8%	143	147	10,650	10,557	3	4	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	2,785	2,660	4.7%	122	124	2,663	2,536	0	0	0	0
Texas	8,012	8,049	-0.5%	21	23	7,987	8,022	3	4	NM	NM
Mountain	3,583	2,906	23.3%	764	450	2,735	2,453	NM	NM	83	0
Arizona	126	43	195.4%	0	0	126	43	0	0	0	0
Colorado	1,278	1,157	10.5%	346	233	932	922	0	NM	0	0
Idaho	217	244	-10.9%	14	15	204	229	0	0	0	0
Montana	282	273	3.1%	21	23	261	250	0	0	0	0
Nevada	31	23	35.5%	0	0	31	23	0	0	0	0
New Mexico	790	683	15.7%	129	0	661	682	NM	NM	0	0
Utah	61	65	-6.1%	0	0	61	65	0	0	0	0
Wyoming	798	418	90.8%	255	179	459	239	0	0	83	0
Pacific Contiguous	2,189	2,552	-14.2%	350	514	1,838	2,038	1	1	0	0
California	1,084	1,133	-4.4%	47	35	1,036	1,097	1	1	0	0
Oregon	508	665	-23.6%	42	83	466	581	0	0	0	0
Washington	597	754	-20.9%	262	395	335	359	0	0	0	0
Pacific Noncontiguous	69	63	8.6%	NM	9	61	54	0	0	0	0
Alaska	12	14	-13.9%	NM	9	NM	NM	0	0	0	0
Hawaii	56	49	15.2%	0	0	56	49	0	0	0	0
U.S. Total	30,427	28,547	6.6%	4,814	4,169	25,504	24,351	15	18	94	9

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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, January 2021 and 2020 (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	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
New England	477	508	-6.2%	27	42	333	360	10	7	107	99
Connecticut	58	65	-11.6%	0	0	58	65	0	0	0	0
Maine	200	192	4.3%	0	0	89	89	5	4	107	99
Massachusetts	87	92	-5.6%	0	0	85	90	2	2	0	0
New Hampshire	NM	97	NM	0	12	NM	84	4	1	0	0
Rhode Island	13	20	-35.5%	0	0	13	20	0	0	0	0
Vermont	38	42	-11.3%	27	29	NM	13	0	0	0	0
Middle Atlantic	392	420	-6.7%	0	0	300	329	44	42	47	49
New Jersey	69	72	-4.8%	0	0	54	59	14	14	0	0
New York	166	164	0.9%	0	0	134	133	17	15	15	16
Pennsylvania	158	184	-14.3%	0	0	112	137	13	13	33	33
East North Central	475	456	4.3%	82	72	254	255	12	11	127	118
Illinois	38	40	-6.3%	10	12	27	28	0	0	0	0
Indiana	40	40	0.0%	28	29	5	4	2	2	6	5
Michigan	210	199	5.5%	0	0	148	148	4	4	58	47
Ohio	62	61	1.1%	0	0	39	38	1	1	22	22
Wisconsin	126	116	8.9%	44	31	35	37	5	4	42	44
West North Central	149	140	5.9%	25	19	52	50	13	11	59	60
Iowa	16	18	-11.1%	NM	1	10	9	1	3	3	5
Kansas	5	6	-3.0%	0	0	5	6	0	0	0	0
Minnesota	110	98	12.1%	15	9	33	32	7	2	55	55
Missouri	9	11	-15.9%	2	2	4	4	4	5	0	0
Nebraska	8	7	2.1%	7	6	0	0	1	1	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	1,597	1,646	-3.0%	141	141	609	589	20	22	827	894
Delaware	5	5	-2.4%	0	0	4	4	0	0	NM	NM
District of Columbia	5	5	-11.6%	0	0	0	0	5	5	0	0
Florida	361	380	-5.1%	56	50	161	162	3	3	141	165
Georgia	487	492	-1.2%	0	0	168	137	0	0	318	355
Maryland	32	16	101.4%	0	0	30	14	2	2	0	0
North Carolina	208	217	-4.3%	0	0	101	115	0	0	107	102
South Carolina	199	203	-2.0%	6	7	54	58	0	0	139	138
Virginia	301	326	-7.8%	78	84	91	99	11	11	121	132
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	514	529	-2.8%	8	8	12	12	0	0	494	509
Alabama	303	297	2.2%	0	0	4	4	0	0	300	293
Kentucky	33	31	6.4%	8	8	1	1	0	0	25	23
Mississippi	125	116	7.8%	0	0	1	1	0	0	124	115
Tennessee	52	85	-38.5%	0	0	7	7	0	0	45	78
West South Central	430	443	-2.8%	0	0	53	55	0	0	377	388
Arkansas	98	97	0.9%	0	0	9	9	0	0	88	87
Louisiana	192	197	-2.3%	0	0	8	8	0	0	185	189
Oklahoma	29	30	-3.0%	0	0	2	2	0	0	28	29
Texas	111	119	-6.7%	0	0	34	36	0	0	77	83
Mountain	88	93	-5.5%	1	1	51	57	4	2	33	32
Arizona	NM	21	NM	0	0	NM	21	0	0	0	0
Colorado	15	15	-2.4%	0	0	15	15	0	0	0	0
Idaho	42	42	1.4%	1	1	8	9	2	1	31	30
Montana	2	2	0.8%	0	0	0	0	0	0	2	2
Nevada	5	5	-4.0%	0	0	5	5	0	0	0	0
New Mexico	2	2	12.3%	0	0	2	2	0	0	0	0
Utah	7	7	-1.3%	0	0	5	6	1	1	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	719	754	-4.6%	NM	38	408	439	70	70	208	208
California	502	532	-5.6%	7	6	365	396	66	66	64	64
Oregon	91	88	3.9%	5	6	33	33	2	2	50	47
Washington	126	134	-6.3%	NM	27	9	9	2	2	93	96
Pacific Noncontiguous	31	26	19.4%	3	2	9	5	19	19	NM	NM
Alaska	4	3	10.2%	0	0	0	0	4	3	NM	NM
Hawaii	27	23	20.7%	3	2	9	5	16	16	0	0
U.S. Total	4,873	5,016	-2.9%	321	323	2,081	2,152	192	185	2,278	2,356

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

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

by State, by Sector, Year-to-Date through January 2021 and 2020 (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	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD
New England	477	508	-6.2%	27	42	333	360	10	7	107	99
Connecticut	58	65	-11.6%	0	0	58	65	0	0	0	0
Maine	200	192	4.3%	0	0	89	89	5	4	107	99
Massachusetts	87	92	-5.6%	0	0	85	90	2	2	0	0
New Hampshire	NM	97	NM	0	12	NM	84	4	1	0	0
Rhode Island	13	20	-35.5%	0	0	13	20	0	0	0	0
Vermont	38	42	-11.3%	27	29	NM	13	0	0	0	0
Middle Atlantic	392	420	-6.7%	0	0	300	329	44	42	47	49
New Jersey	69	72	-4.8%	0	0	54	59	14	14	0	0
New York	166	164	0.9%	0	0	134	133	17	15	15	16
Pennsylvania	158	184	-14.3%	0	0	112	137	13	13	33	33
East North Central	475	456	4.3%	82	72	254	255	12	11	127	118
Illinois	38	40	-6.3%	10	12	27	28	0	0	0	0
Indiana	40	40	0.0%	28	29	5	4	2	2	6	5
Michigan	210	199	5.5%	0	0	148	148	4	4	58	47
Ohio	62	61	1.1%	0	0	39	38	1	1	22	22
Wisconsin	126	116	8.9%	44	31	35	37	5	4	42	44
West North Central	149	140	5.9%	25	19	52	50	13	11	59	60
Iowa	16	18	-11.1%	NM	1	10	9	1	3	3	5
Kansas	5	6	-3.0%	0	0	5	6	0	0	0	0
Minnesota	110	98	12.1%	15	9	33	32	7	2	55	55
Missouri	9	11	-15.9%	2	2	4	4	4	5	0	0
Nebraska	8	7	2.1%	7	6	0	0	1	1	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	1,597	1,646	-3.0%	141	141	609	589	20	22	827	894
Delaware	5	5	-2.4%	0	0	4	4	0	0	NM	NM
District of Columbia	5	5	-11.6%	0	0	0	0	5	5	0	0
Florida	361	380	-5.1%	56	50	161	162	3	3	141	165
Georgia	487	492	-1.2%	0	0	168	137	0	0	318	355
Maryland	32	16	101.4%	0	0	30	14	2	2	0	0
North Carolina	208	217	-4.3%	0	0	101	115	0	0	107	102
South Carolina	199	203	-2.0%	6	7	54	58	0	0	139	138
Virginia	301	326	-7.8%	78	84	91	99	11	11	121	132
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	514	529	-2.8%	8	8	12	12	0	0	494	509
Alabama	303	297	2.2%	0	0	4	4	0	0	300	293
Kentucky	33	31	6.4%	8	8	1	1	0	0	25	23
Mississippi	125	116	7.8%	0	0	1	1	0	0	124	115
Tennessee	52	85	-38.5%	0	0	7	7	0	0	45	78
West South Central	430	443	-2.8%	0	0	53	55	0	0	377	388
Arkansas	98	97	0.9%	0	0	9	9	0	0	88	87
Louisiana	192	197	-2.3%	0	0	8	8	0	0	185	189
Oklahoma	29	30	-3.0%	0	0	2	2	0	0	28	29
Texas	111	119	-6.7%	0	0	34	36	0	0	77	83
Mountain	88	93	-5.5%	1	1	51	57	4	2	33	32
Arizona	NM	21	NM	0	0	NM	21	0	0	0	0
Colorado	15	15	-2.4%	0	0	15	15	0	0	0	0
Idaho	42	42	1.4%	1	1	8	9	2	1	31	30
Montana	2	2	0.8%	0	0	0	0	0	0	2	2
Nevada	5	5	-4.0%	0	0	5	5	0	0	0	0
New Mexico	2	2	12.3%	0	0	2	2	0	0	0	0
Utah	7	7	-1.3%	0	0	5	6	1	1	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	719	754	-4.6%	NM	38	408	439	70	70	208	208
California	502	532	-5.6%	7	6	365	396	66	66	64	64
Oregon	91	88	3.9%	5	6	33	33	2	2	50	47
Washington	126	134	-6.3%	NM	27	9	9	2	2	93	96
Pacific Noncontiguous	31	26	19.4%	3	2	9	5	19	19	NM	NM
Alaska	4	3	10.2%	0	0	0	0	4	3	NM	NM
Hawaii	27	23	20.7%	3	2	9	5	16	16	0	0
U.S. Total	4,873	5,016	-2.9%	321	323	2,081	2,152	192	185	2,278	2,356

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

Table 1.16.A. Utility Scale Facility Net Generation from Geothermal by State, by Sector, January 2021 and 2020 (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	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
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	401	373	7.7%	11	NM	346	330	44	35	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	7	7	-0.2%	0	0	7	7	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	358	336	6.5%	0	0	314	301	44	35	0	0
New Mexico	7	3	113.6%	0	0	7	3	0	0	0	0
Utah	29	26	13.5%	11	NM	18	19	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	985	878	12.3%	65	46	920	831	0	0	0	0
California	972	865	12.5%	65	46	907	818	0	0	0	0
Oregon	13	13	0.6%	0	0	13	13	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	NM	NM	NM	0	0	NM	NM	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	NM	NM	NM	0	0	NM	NM	0	0	0	0
U.S. Total	1,404	1,265	11.0%	77	54	1,283	1,176	44	35	0	0

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

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

by State, by Sector, Year-to-Date through January 2021 and 2020 (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	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 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	401	373	7.7%	11	NM	346	330	44	35	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	7	7	-0.2%	0	0	7	7	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	358	336	6.5%	0	0	314	301	44	35	0	0
New Mexico	7	3	113.6%	0	0	7	3	0	0	0	0
Utah	29	26	13.5%	11	NM	18	19	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	985	878	12.3%	65	46	920	831	0	0	0	0
California	972	865	12.5%	65	46	907	818	0	0	0	0
Oregon	13	13	0.6%	0	0	13	13	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	NM	NM	NM	0	0	NM	NM	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	NM	NM	NM	0	0	NM	NM	0	0	0	0
U.S. Total	1,404	1,265	11.0%	77	54	1,283	1,176	44	35	0	0

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

Table 1.17.A. Net Generation from Solar Photovoltaic by State, by Sector, January 2021 and 2020 (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	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
New England	374	321	16.6%	134	112	240	209	7	8	126	103	NM	NM	NM	NM	136	118	NM	NM	NM	NM	11	8	93	83
Connecticut	59	50	18.1%	15	12	44	38	0	0	14	11	NM	NM	NM	NM	17	15	NM	NM	NM	NM	3	2	24	21
Maine	13	7	92.1%	6	NM	7	5	0	0	6	NM	3	2	0	0	3	2	0	0	0	0	0	0	4	3
Massachusetts	238	212	12.3%	91	82	147	131	6	6	85	75	NM	NM	NM	NM	92	82	NM	NM	NM	NM	7	5	48	43
New Hampshire	11	9	19.4%	0	0	11	9	0	0	0	0	4	3	0	0	4	3	1	1	0	0	1	1	6	5
Rhode Island	37	27	39.4%	15	10	22	17	0	0	15	10	16	13	0	0	16	13	0	0	0	0	0	0	5	4
Vermont	17	17	-0.1%	7	8	10	9	1	2	6	6	4	3	0	0	4	3	0	0	0	0	0	0	6	6
Middle Atlantic	505	433	16.6%	174	147	331	286	5	5	158	131	170	146	10	10	160	136	NM	NM	NM	NM	18	16	153	134
New Jersey	244	221	10.2%	89	83	155	139	5	5	75	69	83	77	9	9	74	68	NM	NM	NM	NM	13	11	68	60
New York	209	173	20.6%	70	57	139	116	0	0	69	56	NM	NM	NM	NM	73	58	NM	NM	NM	NM	1	1	64	58
Pennsylvania	52	39	34.9%	15	8	37	31	0	0	14	7	NM	NM	NM	NM	12	11	NM	NM	NM	NM	4	4	21	16
East North Central	151	88	71.3%	76	45	75	44	26	15	48	28	NM	NM	NM	NM	42	23	3	3	0	0	3	3	31	18
Illinois	49	18	177.6%	12	3	36	15	NM	NM	12	3	NM	NM	NM	NM	24	8	NM	0	0	0	NM	0	12	6
Indiana	35	28	21.8%	25	21	10	7	15	11	10	10	NM	NM	NM	NM	5	4	0	0	0	0	0	0	5	3
Michigan	25	13	92.3%	18	7	8	6	3	4	14	4	NM	NM	NM	NM	3	2	0	0	0	0	0	0	5	3
Ohio	23	20	14.6%	10	9	13	11	NM	NM	9	9	NM	NM	NM	NM	7	6	1	1	0	0	1	1	5	3
Wisconsin	19	9	116.6%	11	4	8	5	7	0	4	3	NM	NM	NM	NM	3	2	1	1	0	0	1	1	4	2
West North Central	166	131	26.6%	119	92	47	40	NM	2	117	90	20	18	0	0	20	18	2	1	0	0	2	1	25	20
Iowa	20	11	88.0%	9	NM	11	9	NM	NM	8	NM	7	6	0	0	7	6	0	0	0	0	0	0	4	3
Kansas	7	4	73.5%	3	NM	4	3	NM	NM	3	NM	1	1	0	0	1	1	0	0	0	0	0	0	2	2
Minnesota	106	87	22.1%	99	81	7	6	NM	NM	99	81	2	2	0	0	2	2	1	1	0	0	1	1	4	3
Missouri	29	26	10.6%	5	5	23	20	NM	NM	5	5	10	9	0	0	10	9	0	0	0	0	0	0	13	11
Nebraska	4	4	21.3%	3	2	1	1	NM	NM	3	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1
North Dakota	0	0	38.0%	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	1,900	1,419	33.9%	1,626	1,205	273	214	614	403	1,004	793	68	59	8	8	60	51	NM	NM	NM	NM	25	24	189	139
Delaware	11	11	3.2%	3	3	8	7	NM	NM	3	3	2	2	0	0	2	2	1	1	0	0	1	1	5	5
District of Columbia	NM	8	NM	NM	NM	9	7	0	0	NM	NM	4	3	0	0	4	3	0	0	0	0	0	0	5	3
Florida	648	421	53.7%	545	354	103	67	481	317	63	36	NM	NM	NM	NM	14	10	NM	NM	NM	NM	1	1	88	56
Georgia	NM	204	NM	254	182	NM	21	24	19	230	163	NM	NM	NM	NM	4	3	NM	NM	0	0	NM	NM	NM	2
Maryland	93	86	7.8%	35	32	57	54	NM	NM	34	31	NM	NM	NM	NM	16	16	2	2	0	0	2	2	39	36
North Carolina	563	507	11.0%	535	485	28	22	42	34	487	445	15	14	6	6	9	8	1	1	0	0	1	1	18	13
South Carolina	142	101	41.3%	116	78	26	23	NM	NM	115	77	5	5	0	0	5	5	NM	NM	NM	NM	3	3	18	15
Virginia	155	81	90.8%	137	70	18	12	65	31	72	38	NM	NM	NM	NM	5	3	0	0	0	0	0	0	13	8
West Virginia	1	1	24.5%	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	76	70	8.5%	65	59	11	10	4	4	60	55	NM	NM	NM	NM	7	7	0	0	0	0	0	0	4	4
Alabama	NM	19	NM	19	18	NM	NM	NM	NM	18	17	NM	NM	0	0	NM	NM	0	0	0	0	0	0	NM	NM
Kentucky	5	5	7.3%	2	2	3	3	2	2	NM	NM	1	1	0	0	1	1	0	0	0	0	0	0	2	1
Mississippi	27	24	14.3%	26	23	1	1	0	0	26	23	0	1	0	0	0	1	NM	NM	0	0	NM	NM	0	0
Tennessee	23	22	5.6%	17	16	6	6	NM	NM	16	15	NM	NM	NM	NM	4	4	NM	NM	0	0	NM	NM	2	2
West South Central	840	458	83.5%	685	344	156	114	8	7	676	336	27	24	1	1	26	22	2	2	0	0	2	2	127	90
Arkansas	30	15	100.5%	24	11	6	4	NM	NM	23	10	2	2	1	1	1	1	2	1	0	0	2	1	3	2
Louisiana	27	18	49.7%	10	3	17	15	3	3	8	0	1	1	0	0	1	1	0	0	0	0	0	0	16	14
Oklahoma	7	5	37.8%	4	3	3	2	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1
Texas	776	420	84.9%	646	327	130	93	NM	NM	645	326	NM	NM	NM	NM	23	20	NM	0	0	0	NM	0	107	72
Mountain	1,370	1,260	8.7%	968	922	402	338	71	73	892	842	110	99	5	6	105	93	NM	NM	NM	NM	5	5	292	241
Arizona	526	495	6.2%	311	308	215	187	40	42	270	266	NM	NM	NM	NM	66	58	1	1	0	0	1	1	148	128
Colorado	132	118	11.9%	81	76	51	42	NM	NM	79	74	NM	NM	NM	NM	16	14	0	0	0	0	0	0	35	28
Idaho	28	23	17.9%	23	20	4	3	0	0	23	20	0	0	0	0	0	0	NM	NM	NM	NM	0	0	3	3
Montana	3	2	34.8%	1	1	2	1	0	0	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1
Nevada	352	346	1.9%	290	296	62	50	10	10	277	282	11	11	4	4	8	7	3	3	0	0	3	3	51	40
New Mexico	127	116	9.2%	96	92	31	25	20	21	76	71	8	7	0	0	8	7	NM	0	0	0	NM	0	22	18
Utah	193	150	28.2%	157	121	35	29	0	0	157	121	6	5	0	0	6	5	1	1	0	0	1	1	29	23
Wyoming	9	8	9.5%	8	8	1	1	0	0	8	8	0	0	0	0	0	0	NM	0	0	0	NM	0	1	0
Pacific Contiguous	2,894	2,564	12.9%	1,771	1,588	1,122	975	28	27	1,729	1,549	280	246	9	9	271	237	155	135	5	3	150	132	701	606
California	2,809	2,508	12.0%	1,707	1,550	1,102	958	27	27	1,666	1,511	275	242	9	9	266	233	155	135	5	3	150	132	687	594
Oregon	73	46	58.3%	62	37	10	9	NM	NM	62	37	4	3	0	0	4	3	1	1	0	0	1	1	6	5
Washington	11	9	24.5%	1	1	10	8	NM	0	1	1	1	1	0	0	1	1	0	0	0	0	0	0	9	7
Pacific Noncontiguous	126	112	13.1%	34	27	92	84	6	5	28	22	36	32	0	0	36	32	0	0	0	0	0	0	56	52
Alaska	0	0	0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hawaii	126	112	13.1%	34	27	92	84	6	5	28	22	36	32	0	0	36	32	0	0	0	0	0	0	56	52
U.S. Total	8,401	6,854	22.6%	5,652	4,541	2,749	2,313	770	550	4,839	3,950	897	772	35	36	861	736	224	197	8	5	216	192	1,671	1,385

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 January 2021 and 2020 (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	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD
New England	374	321	16.6%	134	112	240	209	7	8	126	103	NM	NM	NM	NM	136	118	NM	NM	NM	NM	11	8	93	83
Connecticut	59	50	18.1%	15	12	44	38	0	0	14	11	NM	NM	NM	NM	17	15	NM	NM	NM	NM	3	2	24	21
Maine	13	7	92.1%	6	NM	7	5	0	0	6	NM	3	2	0	0	3	2	0	0	0	0	0	0	4	3
Massachusetts	238	212	12.3%	91	82	147	131	6	6	85	75	NM	NM	NM	NM	92	82	NM	NM	NM	NM	7	5	48	43
New Hampshire	11	9	19.4%	0	0	11	9	0	0	0	0	4	3	0	0	4	3	1	1	0	0	1	1	6	5
Rhode Island	37	27	39.4%	15	10	22	17	0	0	15	10	16	13	0	0	16	13	0	0	0	0	0	0	5	4
Vermont	17	17	-0.1%	7	8	10	9	1	2	6	6	4	3	0	0	4	3	0	0	0	0	0	0	6	6
Middle Atlantic	505	433	16.6%	174	147	331	286	5	5	158	131	170	146	10	10	160	136	NM	NM	NM	NM	18	16	153	134
New Jersey	244	221	10.2%	89	83	155	139	5	5	75	69	83	77	9	9	74	68	NM	NM	NM	NM	13	11	68	60
New York	209	173	20.6%	70	57	139	116	0	0	69	56	NM	NM	NM	NM	73	58	NM	NM	NM	NM	1	1	64	58
Pennsylvania	52	39	34.9%	15	8	37	31	0	0	14	7	NM	NM	NM	NM	12	11	NM	NM	NM	NM	4	4	21	16
East North Central	151	88	71.3%	76	45	75	44	26	15	48	28	NM	NM	NM	NM	42	23	3	3	0	0	3	3	31	18
Illinois	49	18	177.6%	12	3	36	15	NM	NM	12	3	NM	NM	NM	NM	24	8	NM	0	0	0	NM	0	12	6
Indiana	35	28	21.8%	25	21	10	7	15	11	10	10	NM	NM	NM	NM	5	4	0	0	0	0	0	0	5	3
Michigan	25	13	92.3%	18	7	8	6	3	4	14	4	NM	NM	NM	NM	3	2	0	0	0	0	0	0	5	3
Ohio	23	20	14.6%	10	9	13	11	NM	NM	9	9	NM	NM	NM	NM	7	6	1	1	0	0	1	1	5	3
Wisconsin	19	9	116.6%	11	4	8	5	7	0	4	3	NM	NM	NM	NM	3	2	1	1	0	0	1	1	4	2
West North Central	166	131	26.6%	119	92	47	40	NM	2	117	90	20	18	0	0	20	18	2	1	0	0	2	1	25	20
Iowa	20	11	88.0%	9	NM	11	9	NM	NM	8	NM	7	6	0	0	7	6	0	0	0	0	0	0	4	3
Kansas	7	4	73.5%	3	NM	4	3	NM	NM	3	NM	1	1	0	0	1	1	0	0	0	0	0	0	2	2
Minnesota	106	87	22.1%	99	81	7	6	NM	NM	99	81	2	2	0	0	2	2	1	1	0	0	1	1	4	3
Missouri	29	26	10.6%	5	5	23	20	NM	NM	5	5	10	9	0	0	10	9	0	0	0	0	0	0	13	11
Nebraska	4	4	21.3%	3	2	1	1	NM	NM	3	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1
North Dakota	0	0	38.0%	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	1,900	1,419	33.9%	1,626	1,205	273	214	614	403	1,004	793	68	59	8	8	60	51	NM	NM	NM	NM	25	24	189	139
Delaware	11	11	3.2%	3	3	8	7	NM	NM	3	3	2	2	0	0	2	2	1	1	0	0	1	1	5	5
District of Columbia	NM	8	NM	NM	NM	9	7	0	0	NM	NM	4	3	0	0	4	3	0	0	0	0	0	0	5	3
Florida	648	421	53.7%	545	354	103	67	481	317	63	36	NM	NM	NM	NM	14	10	NM	NM	NM	NM	1	1	88	56
Georgia	NM	204	NM	254	182	NM	21	24	19	230	163	NM	NM	NM	NM	4	3	NM	NM	0	0	NM	NM	NM	2
Maryland	93	86	7.8%	35	32	57	54	NM	NM	34	31	NM	NM	NM	NM	16	16	2	2	0	0	2	2	39	36
North Carolina	563	507	11.0%	535	485	28	22	42	34	487	445	15	14	6	6	9	8	1	1	0	0	1	1	18	13
South Carolina	142	101	41.3%	116	78	26	23	NM	NM	115	77	5	5	0	0	5	5	NM	NM	NM	NM	3	3	18	15
Virginia	155	81	90.8%	137	70	18	12	65	31	72	38	NM	NM	NM	NM	5	3	0	0	0	0	0	0	13	8
West Virginia	1	1	24.5%	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	76	70	8.5%	65	59	11	10	4	4	60	55	NM	NM	NM	NM	7	7	0	0	0	0	0	0	4	4
Alabama	NM	19	NM	19	18	NM	NM	NM	NM	18	17	NM	NM	0	0	NM	NM	0	0	0	0	0	0	NM	NM
Kentucky	5	5	7.3%	2	2	3	3	2	2	NM	NM	1	1	0	0	1	1	0	0	0	0	0	0	2	1
Mississippi	27	24	14.3%	26	23	1	1	0	0	26	23	0	1	0	0	0	1	NM	NM	0	0	NM	NM	0	0
Tennessee	23	22	5.6%	17	16	6	6	NM	NM	16	15	NM	NM	NM	NM	4	4	NM	NM	0	0	NM	NM	2	2
West South Central	840	458	83.5%	685	344	156	114	8	7	676	336	27	24	1	1	26	22	2	2	0	0	2	2	127	90
Arkansas	30	15	100.5%	24	11	6	4	NM	NM	23	10	2	2	1	1	1	1	2	1	0	0	2	1	3	2
Louisiana	27	18	49.7%	10	3	17	15	3	3	8	0	1	1	0	0	1	1	0	0	0	0	0	0	16	14
Oklahoma	7	5	37.8%	4	3	3	2	4	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1
Texas	776	420	84.9%	646	327	130	93	NM	NM	645	326	NM	NM	NM	NM	23	20	NM	0	0	0	NM	0	107	72
Mountain	1,370	1,260	8.7%	968	922	402	338	71	73	892	842	110	99	5	6	105	93	NM	NM	NM	NM	5	5	292	241
Arizona	526	495	6.2%	311	308	215	187	40	42	270	266	NM	NM	NM	NM	66	58	1	1	0	0	1	1	148	128
Colorado	132	118	11.9%	81	76	51	42	NM	NM	79	74	NM	NM	NM	NM	16	14	0	0	0	0	0	0	35	28
Idaho	28	23	17.9%	23	20	4	3	0	0	23	20	0	0	0	0	0	0	NM	NM	NM	NM	0	0	3	3
Montana	3	2	34.8%	1	1	2	1	0	0	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1	1
Nevada	352	346	1.9%	290	296	62	50	10	10	277	282	11	11	4	4	8	7	3	3	0	0	3	3	51	40
New Mexico	127	116	9.2%	96	92	31	25	20	21	76	71	8	7	0	0	8	7	NM	0	0	0	NM	0	22	18
Utah	193	150	28.2%	157	121	35	29	0	0	157	121	6	5	0	0	6	5	1	1	0	0	1	1	29	23
Wyoming	9	8	9.5%	8	8	1	1	0	0	8	8	0	0	0	0	0	0	NM	0	0	0	NM	0	1	0
Pacific Contiguous	2,894	2,564	12.9%	1,771	1,588	1,122	975	28	27	1,729	1,549	280	246	9	9	271	237	155	135	5	3	150	132	701	606
California	2,809	2,508	12.0%	1,707	1,550	1,102	958	27	27	1,666	1,511	275	242	9	9	266	233	155	135	5	3	150	132	687	594
Oregon	73	46	58.3%	62	37	10	9	NM	NM	62	37	4	3	0	0	4	3	1	1	0	0	1	1	6	5
Washington	11	9	24.5%	1	1	10	8	NM	0	1	1	1	1	0	0	1	1	0	0	0	0	0	0	9	7
Pacific Noncontiguous	126	112	13.1%	34	27	92	84	6	5	28	22	36	32	0	0	36	32	0	0	0	0	0	0	56	52
Alaska	0	0	0.0%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hawaii	126	112	13.1%	34	27	92	84	6	5	28	22	36	32	0	0	36	32	0	0	0	0	0	0	56	52
U.S. Total	8,401	6,854	22.6%	5,652	4,541	2,749	2,313	770	550	4,839	3,950	897	772	35	36	861	736	224	197	8	5	216	192	1,671	1,385

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, January 2021 and 2020 (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	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
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	9	-100.0%	0	0	0	9	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	9	-100.0%	0	0	0	9	0	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	NM	NM	NM	0	0	NM	NM	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	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	NM	NM	NM	0	0	NM	NM	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	1	2	-17.4%	1	2	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	1	2	-17.4%	1	2	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	33	39	-16.3%	0	0	33	39	0	0	0	0
Arizona	32	37	-13.9%	0	0	32	37	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	1	2	-58.1%	0	0	1	2	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	46	66	-29.5%	0	0	46	66	0	0	0	0
California	46	66	-29.5%	0	0	46	66	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	80	116	-30.5%	1	2	79	114	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 January 2021 and 2020 (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	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 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	9	-100.0%	0	0	0	9	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	9	-100.0%	0	0	0	9	0	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	NM	NM	NM	0	0	NM	NM	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	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	NM	NM	NM	0	0	NM	NM	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	1	2	-17.4%	1	2	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	1	2	-17.4%	1	2	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	33	39	-16.3%	0	0	33	39	0	0	0	0
Arizona	32	37	-13.9%	0	0	32	37	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	1	2	-58.1%	0	0	1	2	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	46	66	-29.5%	0	0	46	66	0	0	0	0
California	46	66	-29.5%	0	0	46	66	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	80	116	-30.5%	1	2	79	114	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, 2011-January 2021 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	537,620	399,545	135,838	76	2,161
2020	436,076	325,165	109,013	69	1,829
Year 2019					
January	55,834	41,306	14,305	8	214
February	45,025	33,349	11,471	8	197
March	43,976	31,666	12,133	9	168
April	33,353	24,495	8,691	6	161
May	40,015	30,285	9,547	6	178
June	44,218	33,558	10,482	4	174
July	55,863	42,319	13,345	5	193
August	52,349	39,741	12,412	5	190
Sept	47,188	35,453	11,554	6	175
October	37,431	27,150	10,119	6	157
November	41,907	30,453	11,274	6	173
December	40,461	29,769	10,505	7	180
Year 2020					
January	36,773	27,295	9,284	6	187
February	32,039	23,653	8,201	9	177
March	28,989	21,680	7,135	6	168
April	23,623	17,006	6,469	4	144
May	26,849	19,804	6,898	4	142
June	36,708	27,743	8,830	5	130
July	49,856	38,226	11,482	5	143
August	50,516	38,900	11,471	4	140
Sept	38,757	29,619	8,981	7	149
October	33,943	24,932	8,856	5	149
November	34,437	24,663	9,625	6	144
December	43,588	31,642	11,783	7	155
Year 2021					
January	45,412	33,413	11,842	7	150
Year to Date					
2019	55,834	41,306	14,305	8	214
2020	36,773	27,295	9,284	6	187
2021	45,412	33,413	11,842	7	150
Rolling 12 Months Ending in January					
2020	518,559	385,534	130,817	74	2,134
2021	444,716	331,282	111,571	71	1,792

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.
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 2019 and prior years are final. Values for 2020 and 2021 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, 2011-January 2021 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	12,397	2,062	1,161	443	8,731
2020	10,798	1,622	724	390	8,061
Year 2019					
January	1,312	198	158	51	905
February	1,158	189	114	47	808
March	1,112	189	110	49	764
April	1,009	141	102	34	732
May	941	123	90	33	695
June	950	161	95	23	671
July	950	171	97	30	653
August	974	190	88	32	664
Sept	914	168	73	34	640
October	985	174	81	31	699
November	1,019	174	76	38	731
December	1,072	184	76	42	770
Year 2020					
January	1,060	157	70	35	797
February	1,016	144	69	40	763
March	918	108	56	34	719
April	804	90	59	25	630
May	803	115	53	28	608
June	772	124	49	29	569
July	870	167	55	30	618
August	846	163	56	33	594
Sept	848	133	55	34	626
October	938	146	63	29	701
November	897	118	68	30	682
December	1,025	157	71	43	754
Year 2021					
January	1,021	179	64	42	736
Year to Date					
2019	1,312	198	158	51	905
2020	1,060	157	70	35	797
2021	1,021	179	64	42	736
Rolling 12 Months Ending in January					
2020	12,145	2,022	1,073	427	8,623
2021	10,759	1,644	717	397	8,001

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 2019 and prior years are final. Values for 2020 and 2021 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, 2011-January 2021 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	550,017	401,607	136,998	519	10,892
2020	446,874	326,786	109,738	459	9,890
Year 2019					
January	57,146	41,504	14,463	59	1,119
February	46,183	33,539	11,586	54	1,005
March	45,088	31,855	12,243	58	932
April	34,362	24,636	8,793	40	893
May	40,956	30,408	9,637	38	873
June	45,168	33,720	10,577	27	844
July	56,813	42,490	13,442	35	846
August	53,323	39,931	12,500	37	854
Sept	48,103	35,621	11,628	40	814
October	38,417	27,323	10,200	37	856
November	42,926	30,628	11,350	44	904
December	41,533	29,953	10,581	49	950
Year 2020					
January	37,833	27,453	9,355	41	984
February	33,056	23,796	8,270	49	940
March	29,907	21,789	7,190	41	887
April	24,427	17,096	6,527	29	774
May	27,652	19,919	6,951	32	750
June	37,480	27,868	8,878	35	699
July	50,726	38,393	11,537	35	761
August	51,362	39,063	11,527	37	735
Sept	39,605	29,752	9,036	41	775
October	34,881	25,078	8,919	34	850
November	35,334	24,781	9,692	36	826
December	44,612	31,799	11,854	50	909
Year 2021					
January	46,433	33,592	11,905	49	886
Year to Date					
2019	57,146	41,504	14,463	59	1,119
2020	37,833	27,453	9,355	41	984
2021	46,433	33,592	11,905	49	886
Rolling 12 Months Ending in January					
2020	530,704	387,556	131,890	500	10,757
2021	455,475	332,926	112,288	468	9,792

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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Values for 2019 and prior years are final. Values for 2020 and 2021 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, 2011-January 2021 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	20,836	15,677	4,464	251	444
2020	18,191	14,308	3,284	232	366
Year 2019					
January	2,506	1,672	755	32	46
February	1,482	1,099	327	15	42
March	1,476	1,159	263	16	38
April	1,417	1,046	313	15	44
May	1,702	1,305	346	17	33
June	1,747	1,369	328	17	33
July	1,818	1,328	436	24	30
August	1,868	1,473	340	21	34
Sept	1,669	1,305	302	27	35
October	1,709	1,305	347	23	34
November	1,626	1,228	339	23	37
December	1,816	1,388	369	22	37
Year 2020					
January	1,777	1,484	237	22	34
February	1,444	1,187	210	12	35
March	1,369	1,012	309	17	31
April	1,185	923	222	12	28
May	1,288	1,010	227	20	31
June	1,573	1,232	291	20	30
July	1,749	1,341	352	25	31
August	1,674	1,316	311	24	23
Sept	1,411	1,129	233	23	27
October	1,644	1,330	264	17	33
November	1,455	1,129	273	20	32
December	1,623	1,215	356	19	32
Year 2021					
January	1,633	1,299	285	23	26
Year to Date					
2019	2,506	1,672	755	32	46
2020	1,777	1,484	237	22	34
2021	1,633	1,299	285	23	26
Rolling 12 Months Ending in January					
2020	20,107	15,489	3,946	240	431
2021	18,047	14,123	3,332	233	359

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 2019 and prior years are final. Values for 2020 and 2021 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, 2011-January 2021 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	2,162	71	226	419	1,446
2020	1,545	50	183	266	1,045
Year 2019					
January	404	18	42	58	287
February	195	9	22	30	135
March	160	5	18	29	108
April	143	4	16	17	106
May	228	5	16	120	86
June	115	3	16	12	83
July	110	3	12	24	71
August	124	5	11	23	84
Sept	138	5	20	28	86
October	140	5	18	21	96
November	249	4	17	32	195
December	157	5	16	26	109
Year 2020					
January	134	4	9	26	94
February	121	4	10	17	90
March	113	3	12	20	78
April	102	6	14	12	70
May	120	3	13	22	81
June	121	4	13	18	86
July	129	3	15	27	84
August	139	3	15	33	88
Sept	122	3	16	23	80
October	134	5	19	18	92
November	146	5	19	25	98
December	163	6	27	26	104
Year 2021					
January	158	2	25	36	95
Year to Date					
2019	404	18	42	58	287
2020	134	4	9	26	94
2021	158	2	25	36	95
Rolling 12 Months Ending in January					
2020	1,891	57	193	388	1,253
2021	1,569	48	199	276	1,046

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.
Values for 2019 and prior years are final. Values for 2020 and 2021 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, 2011-January 2021 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	22,998	15,748	4,690	670	1,890
2020	19,735	14,357	3,468	499	1,412
Year 2019					
January	2,911	1,691	797	90	333
February	1,678	1,108	349	44	177
March	1,635	1,164	281	44	145
April	1,560	1,049	329	32	150
May	1,929	1,311	362	137	119
June	1,862	1,372	344	29	117
July	1,928	1,332	448	48	101
August	1,992	1,478	352	44	118
Sept	1,807	1,310	321	54	121
October	1,848	1,309	365	44	130
November	1,875	1,231	356	55	232
December	1,972	1,393	385	48	146
Year 2020					
January	1,911	1,489	246	48	128
February	1,565	1,191	220	30	124
March	1,482	1,015	321	37	109
April	1,286	928	236	24	98
May	1,408	1,013	240	42	113
June	1,693	1,236	303	38	116
July	1,878	1,345	367	53	114
August	1,814	1,319	326	57	111
Sept	1,533	1,132	249	45	107
October	1,779	1,335	284	35	125
November	1,600	1,134	292	45	129
December	1,786	1,221	383	45	137
Year 2021					
January	1,791	1,302	310	58	121
Year to Date					
2019	2,911	1,691	797	90	333
2020	1,911	1,489	246	48	128
2021	1,791	1,302	310	58	121
Rolling 12 Months Ending in January					
2020	21,998	15,546	4,139	628	1,685
2021	19,616	14,171	3,531	509	1,405

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 2019 and prior years are final. Values for 2020 and 2021 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, 2011-January 2021 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	2,724	2,067	478	1	177
2020	2,866	2,260	444	1	162
Year 2019					
January	326	258	54	0	13
February	272	222	39	0	11
March	235	193	28	0	13
April	155	107	32	0	16
May	294	219	60	0	14
June	216	151	51	0	14
July	309	227	58	0	24
August	276	203	58	0	15
Sept	231	183	33	0	15
October	83	64	3	0	15
November	129	101	15	0	14
December	197	137	46	0	14
Year 2020					
January	261	204	42	0	15
February	190	147	31	0	12
March	262	210	39	0	13
April	221	179	33	0	9
May	231	183	35	0	13
June	308	258	36	0	14
July	318	261	41	0	16
August	295	236	43	0	16
Sept	159	116	31	0	13
October	131	82	36	0	13
November	211	157	39	0	15
December	279	227	38	0	14
Year 2021					
January	268	211	44	0	12
Year to Date					
2019	326	258	54	0	13
2020	261	204	42	0	15
2021	268	211	44	0	12
Rolling 12 Months Ending in January					
2020	2,659	2,012	466	1	180
2021	2,872	2,267	446	0	159

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 2019 and prior years are final. Values for 2020 and 2021 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, 2011-January 2021 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	839	17	93	6	724
2020	752	16	100	3	633
Year 2019					
January	73	1	8	2	62
February	66	1	8	1	55
March	73	1	9	1	62
April	71	2	9	1	59
May	70	1	9	0	61
June	70	1	7	0	62
July	76	2	8	0	65
August	69	0	8	0	61
Sept	79	2	7	0	69
October	64	1	2	0	61
November	57	2	9	0	46
December	72	2	9	1	60
Year 2020					
January	75	1	9	2	62
February	49	1	9	1	37
March	39	1	9	0	30
April	31	3	8	0	21
May	59	3	8	0	48
June	71	1	6	0	64
July	67	1	7	0	60
August	76	1	8	0	67
Sept	69	1	9	0	60
October	74	0	9	0	64
November	69	2	9	0	58
December	73	1	9	0	64
Year 2021					
January	72	1	12	0	59
Year to Date					
2019	73	1	8	2	62
2020	75	1	9	2	62
2021	72	1	12	0	59
Rolling 12 Months Ending in January					
2020	841	17	95	6	723
2021	750	16	102	1	631

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 2019 and prior years are final. Values for 2020 and 2021 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, 2011-January 2021 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	3,563	2,083	571	7	900
2020	3,618	2,276	543	4	795
Year 2019					
January	399	260	62	2	75
February	338	224	47	1	66
March	308	194	37	2	75
April	227	110	41	1	74
May	364	220	69	0	75
June	287	152	58	0	76
July	385	230	66	0	89
August	346	203	66	0	76
Sept	310	185	40	0	84
October	146	65	5	0	76
November	186	102	24	0	60
December	269	139	55	1	74
Year 2020					
January	336	205	51	2	77
February	239	148	40	1	49
March	301	211	47	0	43
April	252	182	40	0	29
May	290	187	43	0	61
June	379	258	43	0	78
July	385	261	48	0	76
August	371	237	51	0	82
Sept	228	117	40	0	72
October	205	83	45	0	77
November	280	159	48	0	73
December	353	228	47	0	78
Year 2021					
January	340	212	56	0	72
Year to Date					
2019	399	260	62	2	75
2020	336	205	51	2	77
2021	340	212	56	0	72
Rolling 12 Months Ending in January					
2020	3,500	2,029	561	8	903
2021	3,622	2,283	548	1	790

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 2019 and prior years are final. Values for 2020 and 2021 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases. See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.4.A. Natural Gas: Consumption for Electricity Generation, by Sector, 2011-January 2021 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	10,833,043	5,551,181	4,663,935	52,650	565,276
2019	11,601,600	5,969,422	4,958,798	55,575	617,805
2020	11,887,895	6,132,880	5,102,484	51,842	600,689
Year 2019					
January	873,321	441,671	373,529	4,566	53,555
February	801,111	411,897	338,638	4,217	46,359
March	835,730	431,601	350,686	4,516	48,926
April	762,597	398,966	313,343	4,173	46,115
May	863,169	458,759	350,386	4,217	49,806
June	1,016,521	538,873	422,755	4,619	50,274
July	1,283,658	657,397	566,007	5,625	54,630
August	1,305,990	676,294	568,683	5,493	55,519
Sept	1,108,966	572,673	478,814	4,824	52,654
October	964,547	493,811	414,452	4,356	51,926
November	846,614	423,092	366,212	4,253	53,057
December	939,376	464,388	415,293	4,715	54,981
Year 2020					
January	958,029	488,592	409,177	4,720	55,539
February	902,217	466,136	381,268	4,287	50,527
March	902,187	472,863	374,008	4,152	51,165
April	783,153	414,888	319,442	3,572	45,251
May	853,662	456,386	346,986	3,801	46,489
June	1,067,886	556,937	457,029	4,300	49,621
July	1,395,721	714,397	623,635	5,084	52,605
August	1,303,551	665,150	580,495	5,019	52,886
Sept	1,058,448	536,374	469,697	4,518	47,859
October	974,658	504,855	419,201	4,057	46,545
November	789,843	402,146	335,789	3,950	47,958
December	898,539	454,157	385,756	4,383	54,244
Year 2021					
January	892,055	443,375	390,408	4,373	53,899
Year to Date					
2019	873,321	441,671	373,529	4,566	53,555
2020	958,029	488,592	409,177	4,720	55,539
2021	892,055	443,375	390,408	4,373	53,899
Rolling 12 Months Ending in January					
2020	11,686,308	6,016,343	4,994,446	55,730	619,789
2021	11,821,921	6,087,663	5,083,715	51,495	599,048

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 2019 and prior years are final. Values for 2020 and 2021 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, 2011-January 2021 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	1,196,025	42,645	317,231	79,734	756,415
2020	1,225,367	45,706	334,918	78,449	766,294
Year 2019					
January	108,272	3,951	29,369	7,409	67,543
February	97,224	3,804	24,972	6,793	61,656
March	101,583	3,690	27,549	6,684	63,661
April	91,878	2,748	24,623	6,027	58,480
May	94,224	2,863	24,079	5,727	61,556
June	95,837	3,342	25,592	6,130	60,772
July	102,404	3,983	27,280	7,354	63,786
August	104,051	4,098	28,829	6,950	64,175
Sept	97,399	3,762	25,526	6,377	61,734
October	96,976	2,931	25,473	6,171	62,402
November	100,030	3,527	26,036	6,628	63,839
December	106,147	3,946	27,902	7,486	66,812
Year 2020					
January	110,430	3,952	29,600	7,489	69,389
February	101,361	3,765	27,599	6,854	63,143
March	102,824	3,868	28,169	6,687	64,099
April	97,076	3,744	25,851	5,928	61,553
May	98,085	3,625	26,957	5,976	61,527
June	98,256	3,831	27,775	6,099	60,551
July	104,295	4,604	29,468	6,672	63,552
August	104,357	4,416	29,706	6,672	63,563
Sept	97,417	3,623	28,055	6,155	59,583
October	102,104	3,158	26,795	6,388	65,764
November	98,746	2,995	26,304	6,466	62,981
December	110,415	4,124	28,639	7,065	70,586
Year 2021					
January	108,764	3,963	28,654	7,306	68,842
Year to Date					
2019	108,272	3,951	29,369	7,409	67,543
2020	110,430	3,952	29,600	7,489	69,389
2021	108,764	3,963	28,654	7,306	68,842
Rolling 12 Months Ending in January					
2020	1,198,184	42,646	317,462	79,814	758,261
2021	1,223,701	45,716	333,972	78,266	765,746

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.4.C. Natural Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2011-January 2021 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	12,039,005	5,594,338	4,995,888	134,507	1,314,273
2019	12,797,626	6,012,067	5,276,029	135,310	1,374,220
2020	13,113,262	6,178,586	5,437,402	130,292	1,366,982
Year 2019					
January	981,593	445,621	402,898	11,975	121,099
February	898,335	415,700	363,610	11,010	108,015
March	937,313	435,291	378,235	11,200	112,587
April	854,475	401,714	337,966	10,200	104,595
May	957,393	461,622	374,465	9,944	111,362
June	1,112,358	542,215	448,347	10,749	111,046
July	1,386,062	661,380	593,287	12,979	118,416
August	1,410,041	680,392	597,512	12,443	119,694
Sept	1,206,364	576,435	504,340	11,201	114,389
October	1,061,523	496,742	439,925	10,527	114,328
November	946,645	426,619	392,248	10,881	116,896
December	1,045,523	468,333	443,195	12,201	121,793
Year 2020					
January	1,068,459	492,544	438,777	12,209	124,928
February	1,003,578	469,901	408,867	11,140	113,670
March	1,005,010	476,731	402,177	10,839	115,264
April	880,229	418,632	345,293	9,500	106,804
May	951,747	460,011	373,943	9,777	108,016
June	1,166,142	560,768	484,803	10,399	110,172
July	1,500,016	719,001	653,103	11,756	116,157
August	1,407,908	669,565	610,202	11,691	116,449
Sept	1,155,865	539,997	497,753	10,673	107,443
October	1,076,763	508,013	445,996	10,444	112,310
November	888,589	405,142	362,093	10,416	110,939
December	1,008,954	458,281	414,395	11,447	124,830
Year 2021					
January	1,000,820	447,338	419,062	11,679	122,740
Year to Date					
2019	981,593	445,621	402,898	11,975	121,099
2020	1,068,459	492,544	438,777	12,209	124,928
2021	1,000,820	447,338	419,062	11,679	122,740
Rolling 12 Months Ending in January					
2020	12,884,492	6,058,990	5,311,908	135,544	1,378,050
2021	13,045,622	6,133,379	5,417,687	129,762	1,364,794

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 2019 and prior years are final. Values for 2020 and 2021 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, 2011-January 2021 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	257,494	22,726	214,819	16,874	3,075
2020	249,229	22,902	207,358	16,843	2,126
Year 2019					
January	22,792	2,043	18,790	1,704	255
February	20,542	1,803	16,998	1,508	233
March	22,380	2,008	18,459	1,642	271
April	20,457	1,890	17,249	1,057	261
May	20,947	1,952	17,959	778	258
June	21,359	1,857	17,889	1,360	254
July	21,932	1,873	18,326	1,493	240
August	21,963	1,898	18,295	1,518	253
Sept	20,789	1,811	17,246	1,477	256
October	21,252	1,843	17,705	1,436	268
November	20,712	1,807	17,237	1,419	248
December	22,369	1,942	18,665	1,482	280
Year 2020					
January	22,271	1,938	18,577	1,528	227
February	20,604	1,829	17,098	1,469	208
March	22,357	2,004	18,602	1,545	206
April	21,190	1,936	17,788	1,284	182
May	21,603	1,977	18,124	1,341	161
June	19,647	1,817	16,380	1,289	161
July	20,597	1,919	17,124	1,384	170
August	21,055	1,975	17,544	1,381	155
Sept	20,332	1,940	16,914	1,334	144
October	20,042	1,927	16,661	1,306	148
November	19,126	1,779	15,705	1,473	169
December	20,404	1,861	16,840	1,509	194
Year 2021					
January	20,728	1,884	17,035	1,589	220
Year to Date					
2019	22,792	2,043	18,790	1,704	255
2020	22,271	1,938	18,577	1,528	227
2021	20,728	1,884	17,035	1,589	220
Rolling 12 Months Ending in January					
2020	256,974	22,621	214,607	16,698	3,048
2021	247,685	22,848	205,816	16,903	2,118

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 2019 and prior years are final. Values for 2020 and 2021 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.5.B. Landfill Gas: Consumption for Useful Thermal Output, by Sector, 2011-January 2021 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	3,570	5	1,933	820	812
2020	4,014	3	2,193	820	998
Year 2019					
January	331	0	181	84	66
February	301	0	175	67	58
March	357	0	203	80	73
April	362	0	184	102	75
May	250	0	112	64	74
June	283	0	146	77	59
July	282	0	166	42	73
August	267	0	128	73	65
Sept	264	0	125	74	65
October	317	0	168	77	71
November	284	0	155	59	70
December	273	0	190	21	62
Year 2020					
January	434	0	278	36	119
February	428	0	253	65	109
March	348	0	176	73	100
April	196	0	65	70	60
May	254	0	143	54	57
June	292	0	151	65	76
July	315	0	167	76	71
August	305	0	163	74	67
Sept	309	0	166	74	68
October	374	0	194	106	74
November	369	0	212	61	97
December	391	0	224	67	100
Year 2021					
January	440	0	255	73	113
Year to Date					
2019	331	0	181	84	66
2020	434	0	278	36	119
2021	440	0	255	73	113
Rolling 12 Months Ending in January					
2020	3,673	4	2,030	773	865
2021	4,020	2	2,171	856	991

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.5.C. Landfill Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2011-January 2021 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	261,064	22,731	216,753	17,694	3,887
2020	253,243	22,904	209,551	17,663	3,123
Year 2019					
January	23,123	2,043	18,971	1,788	321
February	20,843	1,804	17,173	1,576	291
March	22,737	2,008	18,662	1,722	344
April	20,819	1,891	17,433	1,159	336
May	21,197	1,952	18,072	842	332
June	21,642	1,857	18,035	1,438	313
July	22,214	1,874	18,492	1,535	313
August	22,230	1,898	18,423	1,591	317
Sept	21,053	1,811	17,371	1,550	321
October	21,569	1,843	17,873	1,514	339
November	20,996	1,807	17,392	1,478	319
December	22,642	1,942	18,855	1,503	342
Year 2020					
January	22,705	1,938	18,855	1,565	347
February	21,032	1,829	17,352	1,534	317
March	22,705	2,004	18,777	1,618	306
April	21,386	1,936	17,853	1,354	243
May	21,856	1,977	18,267	1,394	218
June	19,939	1,817	16,532	1,355	236
July	20,912	1,919	17,291	1,460	241
August	21,360	1,975	17,708	1,455	222
Sept	20,641	1,940	17,080	1,408	212
October	20,416	1,927	16,855	1,411	222
November	19,496	1,780	15,917	1,533	266
December	20,796	1,861	17,064	1,576	294
Year 2021					
January	21,168	1,884	17,291	1,661	332
Year to Date					
2019	23,123	2,043	18,971	1,788	321
2020	22,705	1,938	18,855	1,565	347
2021	21,168	1,884	17,291	1,661	332
Rolling 12 Months Ending in January					
2020	260,646	22,626	216,637	17,471	3,913
2021	251,706	22,851	207,987	17,760	3,109

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.6.A. Biogenic Municipal Solid Waste: Consumption for Electricity Generation, by Sector, 2011-January 2021 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	15,559	297	12,941	2,310	10
2020	15,268	280	12,832	2,147	10
Year 2019					
January	1,322	30	1,092	199	1
February	1,158	20	961	177	1
March	1,255	20	1,046	188	1
April	1,235	28	1,014	193	1
May	1,337	26	1,112	198	1
June	1,323	25	1,098	200	1
July	1,369	27	1,146	194	1
August	1,396	29	1,167	200	1
Sept	1,288	21	1,076	191	1
October	1,271	28	1,056	187	1
November	1,270	25	1,062	183	1
December	1,333	20	1,112	201	1
Year 2020					
January	1,300	19	1,093	188	1
February	1,183	14	1,002	166	1
March	1,309	26	1,096	186	1
April	1,246	25	1,049	171	1
May	1,289	24	1,081	183	1
June	1,210	25	1,005	178	1
July	1,337	26	1,120	190	1
August	1,357	26	1,145	185	1
Sept	1,253	23	1,059	171	1
October	1,236	24	1,038	174	1
November	1,234	24	1,033	175	1
December	1,315	22	1,111	181	1
Year 2021					
January	1,260	20	1,061	178	1
Year to Date					
2019	1,322	30	1,092	199	1
2020	1,300	19	1,093	188	1
2021	1,260	20	1,061	178	1
Rolling 12 Months Ending in January					
2020	15,537	287	12,942	2,298	10
2021	15,228	281	12,800	2,137	10

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Table 2.6.B. Biogenic Municipal Solid Waste: Consumption for Useful Thermal Output, by Sector, 2011-January 2021 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	1,667	0	743	737	187
2020	1,561	0	757	616	188
Year 2019					
January	173	0	66	92	15
February	155	0	63	77	15
March	153	0	67	70	16
April	115	0	56	43	17
May	127	0	64	52	12
June	137	0	64	59	15
July	136	0	67	53	16
August	139	0	62	56	21
Sept	124	0	53	56	15
October	130	0	57	58	15
November	139	0	63	61	15
December	139	0	61	62	15
Year 2020					
January	139	0	73	53	13
February	133	0	69	47	16
March	131	0	62	54	15
April	131	0	61	54	16
May	140	0	67	57	16
June	123	0	67	43	13
July	128	0	59	54	15
August	141	0	64	56	21
Sept	115	0	51	48	15
October	124	0	60	50	14
November	122	0	57	49	16
December	134	0	67	51	16
Year 2021					
January	108	0	35	55	17
Year to Date					
2019	173	0	66	92	15
2020	139	0	73	53	13
2021	108	0	35	55	17
Rolling 12 Months Ending in January					
2020	1,633	0	750	698	185
2021	1,529	0	720	619	191

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Table 2.6.C. Biogenic Municipal Solid Waste: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2011-January 2021 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	17,225	297	13,684	3,047	197
2020	16,829	280	13,589	2,763	198
Year 2019					
January	1,495	30	1,158	291	16
February	1,313	20	1,024	254	16
March	1,408	20	1,114	258	17
April	1,350	28	1,069	235	18
May	1,465	26	1,176	249	13
June	1,461	25	1,162	258	15
July	1,504	27	1,213	247	17
August	1,535	29	1,229	256	22
Sept	1,412	21	1,129	246	16
October	1,401	28	1,113	245	16
November	1,409	25	1,125	244	15
December	1,472	20	1,173	263	16
Year 2020					
January	1,440	19	1,166	240	14
February	1,316	14	1,071	214	17
March	1,439	26	1,158	240	16
April	1,377	25	1,110	224	17
May	1,429	24	1,148	239	17
June	1,333	25	1,072	221	14
July	1,465	26	1,179	245	16
August	1,498	26	1,209	241	22
Sept	1,368	23	1,110	219	16
October	1,361	24	1,098	223	15
November	1,355	24	1,090	225	16
December	1,449	22	1,178	232	17
Year 2021					
January	1,367	20	1,096	233	17
Year to Date					
2019	1,495	30	1,158	291	16
2020	1,440	19	1,166	240	14
2021	1,367	20	1,096	233	17
Rolling 12 Months Ending in January					
2020	17,170	287	13,692	2,996	196
2021	16,757	281	13,519	2,755	201

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 2.7.A. Wood / Wood Waste Biomass: Consumption for Electricity Generation, by Sector, 2011-January 2021 (Billion Btus)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	338,317	42,240	128,980	583	166,514
2020	315,104	30,974	122,597	608	160,926
Year 2019					
January	31,330	4,132	12,533	52	14,613
February	26,761	3,408	10,117	57	13,179
March	28,083	3,232	10,362	72	14,418
April	23,804	2,677	8,499	24	12,604
May	26,723	3,451	10,257	18	12,997
June	27,518	2,894	10,815	31	13,778
July	31,373	4,740	11,694	101	14,838
August	31,913	5,205	11,694	63	14,951
Sept	28,163	3,594	11,078	51	13,440
October	26,246	2,962	9,729	42	13,513
November	26,964	2,194	11,052	35	13,684
December	29,438	3,751	11,151	37	14,500
Year 2020					
January	28,389	3,247	10,789	49	14,305
February	27,088	3,138	10,527	41	13,381
March	26,746	2,514	10,111	32	14,089
April	24,363	2,091	9,001	8	13,264
May	26,006	2,346	10,197	30	13,433
June	24,995	2,338	9,883	54	12,720
July	26,612	3,012	10,273	89	13,238
August	29,302	4,169	11,575	90	13,467
Sept	23,997	1,725	9,258	45	12,970
October	23,847	1,786	9,793	58	12,210
November	25,710	2,118	9,821	49	13,722
December	28,050	2,490	11,370	64	14,126
Year 2021					
January	27,432	2,825	10,638	64	13,905
Year to Date					
2019	31,330	4,132	12,533	52	14,613
2020	28,389	3,247	10,789	49	14,305
2021	27,432	2,825	10,638	64	13,905
Rolling 12 Months Ending in January					
2020	335,376	41,355	127,236	579	166,206
2021	314,146	30,552	122,446	623	160,525

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, 2011-January 2021 (Billion Btus)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	907,420	3,564	25,740	4,969	873,147
2020	882,584	3,072	28,503	3,595	847,415
Year 2019					
January	81,039	449	2,361	544	77,685
February	73,341	412	2,142	478	70,309
March	77,242	410	2,134	436	74,262
April	72,647	421	2,095	344	69,788
May	74,589	127	2,256	356	71,850
June	73,406	186	2,365	342	70,512
July	76,941	286	2,031	403	74,220
August	77,355	190	2,179	398	74,588
Sept	72,370	117	2,067	394	69,791
October	74,506	233	1,711	423	72,140
November	75,571	346	2,122	442	72,662
December	78,415	386	2,277	410	75,342
Year 2020					
January	77,232	288	2,427	483	74,033
February	73,398	272	2,523	453	70,149
March	74,478	266	2,582	353	71,276
April	72,387	224	1,976	238	69,948
May	76,447	244	2,594	321	73,288
June	68,306	252	2,057	394	65,604
July	71,065	280	2,033	250	68,502
August	69,906	285	2,528	244	66,849
Sept	71,192	224	2,246	166	68,556
October	73,264	204	2,247	191	70,622
November	75,451	248	2,594	233	72,375
December	79,459	284	2,694	269	76,212
Year 2021					
January	77,010	213	2,638	229	73,929
Year to Date					
2019	81,039	449	2,361	544	77,685
2020	77,232	288	2,427	483	74,033
2021	77,010	213	2,638	229	73,929
Rolling 12 Months Ending in January					
2020	903,613	3,403	25,806	4,909	869,496
2021	882,362	2,997	28,714	3,341	847,311

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.C. Wood / Wood Waste Biomass: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2011-January 2021 (Billion Btus)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	1,245,737	45,804	154,720	5,552	1,039,661
2020	1,197,689	34,046	151,100	4,203	1,008,340
Year 2019					
January	112,369	4,581	14,894	596	92,297
February	100,102	3,820	12,259	535	83,488
March	105,325	3,641	12,496	508	88,680
April	96,451	3,098	10,594	368	82,392
May	101,311	3,578	12,513	374	84,847
June	100,924	3,081	13,179	373	84,291
July	108,314	5,026	13,725	505	89,058
August	109,267	5,395	13,873	461	89,539
Sept	100,533	3,712	13,145	446	83,230
October	100,752	3,195	11,441	464	85,652
November	102,536	2,540	13,174	477	86,345
December	107,853	4,138	13,428	447	89,841
Year 2020					
January	105,622	3,535	13,216	532	88,338
February	100,485	3,411	13,050	495	83,530
March	101,224	2,780	12,693	385	85,365
April	96,750	2,315	10,977	246	83,212
May	102,453	2,590	12,791	351	86,721
June	93,301	2,589	11,940	448	78,324
July	97,677	3,292	12,306	339	81,740
August	99,208	4,454	14,103	334	80,316
Sept	95,189	1,950	11,504	210	81,525
October	97,111	1,990	12,040	249	82,832
November	101,160	2,366	12,415	282	86,098
December	107,509	2,774	14,065	333	90,338
Year 2021					
January	104,441	3,038	13,276	294	87,834
Year to Date					
2019	112,369	4,581	14,894	596	92,297
2020	105,622	3,535	13,216	532	88,338
2021	104,441	3,038	13,276	294	87,834
Rolling 12 Months Ending in January					
2020	1,238,989	44,758	153,042	5,488	1,035,702
2021	1,196,508	33,549	151,160	3,964	1,007,836

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 2019 and prior years are final. Values for 2020 and 2021 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, January 2021 and January 2020 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
New England	104	13	733.0%	17	11	87	2	0	0	NM	NM
Connecticut	86	0	--	0	0	86	0	0	0	0	0
Maine	1	2	-24.0%	0	0	1	2	0	0	NM	NM
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	17	11	60.0%	17	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	1,919	1,496	28.0%	0	0	1,918	1,494	0	0	1	1
New Jersey	36	35	3.9%	0	0	36	35	0	0	0	0
New York	0	11	-100.0%	0	0	0	11	0	0	0	0
Pennsylvania	1,883	1,450	30.0%	0	0	1,882	1,449	0	0	1	1
East North Central	10,052	7,876	28.0%	6,129	4,701	3,876	3,122	1	1	46	52
Illinois	2,359	1,515	56.0%	103	136	2,218	1,335	0	0	38	43
Indiana	2,537	1,851	37.0%	2,328	1,649	208	201	1	1	0	0
Michigan	2,030	1,532	33.0%	2,017	1,514	13	18	0	0	0	0
Ohio	1,663	1,786	-6.9%	226	219	1,437	1,567	0	0	0	0
Wisconsin	1,462	1,192	23.0%	1,454	1,183	0	0	0	0	8	9
West North Central	9,262	8,762	5.7%	9,192	8,672	0	0	1	2	68	89
Iowa	1,122	823	36.0%	1,086	780	0	0	1	1	36	42
Kansas	934	919	1.6%	934	919	0	0	0	0	0	0
Minnesota	849	790	7.5%	845	786	0	0	0	0	4	4
Missouri	3,271	2,797	17.0%	3,271	2,796	0	0	0	0	0	0
Nebraska	1,074	1,300	-17.0%	1,049	1,261	0	0	0	0	25	39
North Dakota	1,884	2,014	-6.5%	1,880	2,010	0	0	0	0	4	4
South Dakota	127	119	6.9%	127	119	0	0	0	0	0	0
South Atlantic	5,610	3,504	60.0%	4,782	3,105	813	383	1	1	14	14
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	675	494	37.0%	675	494	0	0	0	0	0	1
Georgia	592	275	115.0%	589	272	0	0	0	0	4	3
Maryland	326	74	339.0%	0	0	326	74	0	0	0	0
North Carolina	970	561	73.0%	963	554	2	3	1	1	3	3
South Carolina	635	460	38.0%	632	456	3	4	0	0	1	0
Virginia	40	142	-72.0%	21	129	13	5	0	0	6	7
West Virginia	2,372	1,497	58.0%	1,904	1,201	469	297	0	0	0	0
East South Central	4,292	3,679	17.0%	3,986	3,456	298	213	0	0	8	9
Alabama	1,144	1,047	9.3%	1,144	1,047	0	0	0	0	NM	0
Kentucky	2,164	1,918	13.0%	2,164	1,918	0	0	0	0	0	0
Mississippi	485	256	89.0%	187	43	298	213	0	0	0	0
Tennessee	498	457	9.0%	490	447	0	0	0	0	8	9
West South Central	7,738	4,701	65.0%	3,981	1,821	3,756	2,873	0	0	1	7
Arkansas	1,369	512	167.0%	1,133	327	235	185	0	0	1	1
Louisiana	189	110	72.0%	143	110	45	0	0	0	0	0
Oklahoma	597	144	314.0%	597	138	0	0	0	0	0	6
Texas	5,584	3,935	42.0%	2,109	1,247	3,476	2,688	0	0	0	0
Mountain	6,073	6,063	0.2%	5,284	5,301	781	752	0	0	8	9
Arizona	806	692	16.0%	806	692	0	0	0	0	0	0
Colorado	1,123	1,148	-2.1%	1,123	1,148	0	0	0	0	0	0
Idaho	NM	0	NM	0	0	0	0	0	0	NM	0
Montana	677	654	3.5%	25	3	652	650	0	0	1	1
Nevada	49	100	-51.0%	0	42	49	58	0	0	0	0
New Mexico	745	790	-5.6%	745	790	0	0	0	0	0	0
Utah	928	949	-2.2%	894	949	34	0	0	0	0	0
Wyoming	1,744	1,729	0.9%	1,690	1,677	47	44	0	0	7	8
Pacific Contiguous	245	601	-59.0%	0	208	241	387	0	0	4	6
California	4	5	-25.0%	0	0	0	0	0	0	4	5
Oregon	0	208	-100.0%	0	208	0	0	0	0	0	0
Washington	241	388	-38.0%	0	0	241	387	0	0	1	1
Pacific Noncontiguous	117	80	47.0%	42	NM	72	57	4	2	0	0
Alaska	60	NM	NM	42	NM	NM	13	4	2	0	0
Hawaii	57	44	30.0%	0	0	57	44	0	0	0	0
U.S. Total	45,412	36,773	23.0%	33,413	27,295	11,842	9,284	7	6	150	187

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 January 2021 and January 2020 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD
New England	104	13	733.0%	17	11	87	2	0	0	NM	NM
Connecticut	86	0	--	0	0	86	0	0	0	0	0
Maine	1	2	-24.0%	0	0	1	2	0	0	NM	NM
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	17	11	60.0%	17	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	1,919	1,496	28.0%	0	0	1,918	1,494	0	0	1	1
New Jersey	36	35	3.9%	0	0	36	35	0	0	0	0
New York	0	11	-100.0%	0	0	0	11	0	0	0	0
Pennsylvania	1,883	1,450	30.0%	0	0	1,882	1,449	0	0	1	1
East North Central	10,052	7,876	28.0%	6,129	4,701	3,876	3,122	1	1	46	52
Illinois	2,359	1,515	56.0%	103	136	2,218	1,335	0	0	38	43
Indiana	2,537	1,851	37.0%	2,328	1,649	208	201	1	1	0	0
Michigan	2,030	1,532	33.0%	2,017	1,514	13	18	0	0	0	0
Ohio	1,663	1,786	-6.9%	226	219	1,437	1,567	0	0	0	0
Wisconsin	1,462	1,192	23.0%	1,454	1,183	0	0	0	0	8	9
West North Central	9,262	8,762	5.7%	9,192	8,672	0	0	1	2	68	89
Iowa	1,122	823	36.0%	1,086	780	0	0	1	1	36	42
Kansas	934	919	1.6%	934	919	0	0	0	0	0	0
Minnesota	849	790	7.5%	845	786	0	0	0	0	4	4
Missouri	3,271	2,797	17.0%	3,271	2,796	0	0	0	0	0	0
Nebraska	1,074	1,300	-17.0%	1,049	1,261	0	0	0	0	25	39
North Dakota	1,884	2,014	-6.5%	1,880	2,010	0	0	0	0	4	4
South Dakota	127	119	6.9%	127	119	0	0	0	0	0	0
South Atlantic	5,610	3,504	60.0%	4,782	3,105	813	383	1	1	14	14
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	675	494	37.0%	675	494	0	0	0	0	0	1
Georgia	592	275	115.0%	589	272	0	0	0	0	4	3
Maryland	326	74	339.0%	0	0	326	74	0	0	0	0
North Carolina	970	561	73.0%	963	554	2	3	1	1	3	3
South Carolina	635	460	38.0%	632	456	3	4	0	0	1	0
Virginia	40	142	-72.0%	21	129	13	5	0	0	6	7
West Virginia	2,372	1,497	58.0%	1,904	1,201	469	297	0	0	0	0
East South Central	4,292	3,679	17.0%	3,986	3,456	298	213	0	0	8	9
Alabama	1,144	1,047	9.3%	1,144	1,047	0	0	0	0	NM	0
Kentucky	2,164	1,918	13.0%	2,164	1,918	0	0	0	0	0	0
Mississippi	485	256	89.0%	187	43	298	213	0	0	0	0
Tennessee	498	457	9.0%	490	447	0	0	0	0	8	9
West South Central	7,738	4,701	65.0%	3,981	1,821	3,756	2,873	0	0	1	7
Arkansas	1,369	512	167.0%	1,133	327	235	185	0	0	1	1
Louisiana	189	110	72.0%	143	110	45	0	0	0	0	0
Oklahoma	597	144	314.0%	597	138	0	0	0	0	0	6
Texas	5,584	3,935	42.0%	2,109	1,247	3,476	2,688	0	0	0	0
Mountain	6,073	6,063	0.2%	5,284	5,301	781	752	0	0	8	9
Arizona	806	692	16.0%	806	692	0	0	0	0	0	0
Colorado	1,123	1,148	-2.1%	1,123	1,148	0	0	0	0	0	0
Idaho	NM	0	NM	0	0	0	0	0	0	NM	0
Montana	677	654	3.5%	25	3	652	650	0	0	1	1
Nevada	49	100	-51.0%	0	42	49	58	0	0	0	0
New Mexico	745	790	-5.6%	745	790	0	0	0	0	0	0
Utah	928	949	-2.2%	894	949	34	0	0	0	0	0
Wyoming	1,744	1,729	0.9%	1,690	1,677	47	44	0	0	7	8
Pacific Contiguous	245	601	-59.0%	0	208	241	387	0	0	4	6
California	4	5	-25.0%	0	0	0	0	0	0	4	5
Oregon	0	208	-100.0%	0	208	0	0	0	0	0	0
Washington	241	388	-38.0%	0	0	241	387	0	0	1	1
Pacific Noncontiguous	117	80	47.0%	42	NM	72	57	4	2	0	0
Alaska	60	NM	NM	42	NM	NM	13	4	2	0	0
Hawaii	57	44	30.0%	0	0	57	44	0	0	0	0
U.S. Total	45,412	36,773	23.0%	33,413	27,295	11,842	9,284	7	6	150	187

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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.A. Consumption of Petroleum Liquids for Electricity Generation by State, by Sector, January 2021 and January 2020 (Thousand Barrels)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
New England	46	28	64.0%	9	3	30	22	5	3	NM	1
Connecticut	11	5	104.0%	1	1	NM	5	1	0	0	0
Maine	4	8	-47.0%	0	0	2	6	NM	1	NM	1
Massachusetts	13	11	20.0%	NM	NM	12	10	NM	NM	0	0
New Hampshire	16	2	559.0%	8	NM	6	NM	2	2	0	0
Rhode Island	1	1	14.0%	0	0	NM	NM	0	0	NM	NM
Vermont	NM	NM	NM	NM	NM	0	0	0	0	0	0
Middle Atlantic	242	69	253.0%	164	14	74	51	NM	NM	3	2
New Jersey	10	4	155.0%	0	0	10	4	NM	NM	0	0
New York	213	44	381.0%	164	14	47	28	NM	NM	1	1
Pennsylvania	19	21	-5.2%	0	0	17	19	0	1	NM	1
East North Central	78	80	-2.9%	56	60	21	19	0	0	1	0
Illinois	7	6	10.0%	NM	NM	6	5	0	0	0	0
Indiana	33	28	19.0%	33	28	0	0	0	0	0	0
Michigan	13	16	-16.0%	13	16	0	0	0	0	0	NM
Ohio	18	18	2.3%	4	3	15	15	0	0	0	0
Wisconsin	7	13	-47.0%	6	13	0	0	0	NM	0	NM
West North Central	58	69	-16.0%	57	67	NM	NM	0	0	0	0
Iowa	10	11	-16.0%	9	11	NM	0	0	0	0	0
Kansas	16	17	-7.8%	16	17	0	0	0	0	0	0
Minnesota	6	NM	NM	5	NM	NM	NM	0	0	0	0
Missouri	17	15	13.0%	17	15	0	0	0	0	0	0
Nebraska	NM	NM	NM	NM	NM	0	0	0	0	0	0
North Dakota	4	10	-63.0%	4	10	0	0	0	0	0	0
South Dakota	3	NM	NM	3	NM	0	0	NM	NM	0	0
South Atlantic	142	169	-16.0%	93	126	28	27	15	11	6	5
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	26	24	8.1%	25	22	NM	1	0	0	2	1
Georgia	12	13	-4.6%	9	11	NM	NM	0	0	3	2
Maryland	20	21	-4.9%	1	0	20	21	NM	NM	0	0
North Carolina	18	30	-38.0%	17	28	NM	NM	NM	NM	1	1
South Carolina	11	10	9.6%	10	10	1	0	0	NM	1	0
Virginia	24	28	-16.0%	NM	15	3	3	15	11	NM	NM
West Virginia	27	41	-35.0%	27	41	0	0	0	0	0	0
East South Central	36	43	-16.0%	29	42	6	0	0	0	1	1
Alabama	7	NM	NM	NM	NM	6	0	0	0	NM	NM
Kentucky	12	15	-25.0%	12	15	0	0	0	0	0	0
Mississippi	1	1	-0.7%	1	1	0	0	0	0	0	0
Tennessee	16	25	-36.0%	16	25	0	0	0	0	0	0
West South Central	23	16	42.0%	18	13	5	3	0	0	0	0
Arkansas	6	4	45.0%	6	4	0	0	0	0	NM	NM
Louisiana	NM	NM	NM	NM	NM	0	0	0	0	0	0
Oklahoma	7	4	74.0%	7	4	0	0	0	0	0	0
Texas	9	6	44.0%	4	3	5	3	0	0	0	0
Mountain	59	108	-45.0%	58	108	2	NM	NM	NM	0	0
Arizona	6	5	18.0%	6	5	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	NM	NM	NM	NM	1	NM	0	0	0	0
Nevada	1	1	-53.0%	0	1	1	0	0	0	0	0
New Mexico	35	86	-60.0%	35	86	0	0	0	0	0	0
Utah	7	5	36.0%	7	5	0	0	0	0	0	0
Wyoming	9	9	-0.1%	9	9	0	0	0	0	0	0
Pacific Contiguous	8	15	-50.0%	5	9	1	4	NM	NM	1	2
California	6	9	-31.0%	4	6	1	2	0	0	0	1
Oregon	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Washington	1	6	-78.0%	NM	3	NM	2	0	0	1	1
Pacific Noncontiguous	941	1,180	-20.0%	809	1,041	116	110	1	6	15	24
Alaska	98	196	-50.0%	95	187	NM	0	NM	3	3	6
Hawaii	843	983	-14.0%	714	854	116	109	1	3	12	18
U.S. Total	1,633	1,777	-8.1%	1,299	1,484	285	237	23	22	26	34

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

Table 2.9.B. Consumption of Petroleum Liquids for Electricity Generation by State, by Sector, Year-to-Date through January 2021 and January 2020 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD
New England	46	28	64.0%	9	3	30	22	5	3	NM	1
Connecticut	11	5	104.0%	1	1	NM	5	1	0	0	0
Maine	4	8	-47.0%	0	0	2	6	NM	1	NM	1
Massachusetts	13	11	20.0%	NM	NM	12	10	NM	NM	0	0
New Hampshire	16	2	559.0%	8	NM	6	NM	2	2	0	0
Rhode Island	1	1	14.0%	0	0	NM	NM	0	0	NM	NM
Vermont	NM	NM	NM	NM	NM	0	0	0	0	0	0
Middle Atlantic	242	69	253.0%	164	14	74	51	NM	NM	3	2
New Jersey	10	4	155.0%	0	0	10	4	NM	NM	0	0
New York	213	44	381.0%	164	14	47	28	NM	NM	1	1
Pennsylvania	19	21	-5.2%	0	0	17	19	0	1	NM	1
East North Central	78	80	-2.9%	56	60	21	19	0	0	1	0
Illinois	7	6	10.0%	NM	NM	6	5	0	0	0	0
Indiana	33	28	19.0%	33	28	0	0	0	0	0	0
Michigan	13	16	-16.0%	13	16	0	0	0	0	0	NM
Ohio	18	18	2.3%	4	3	15	15	0	0	0	0
Wisconsin	7	13	-47.0%	6	13	0	0	0	NM	0	NM
West North Central	58	69	-16.0%	57	67	NM	NM	0	0	0	0
Iowa	10	11	-16.0%	9	11	NM	0	0	0	0	0
Kansas	16	17	-7.8%	16	17	0	0	0	0	0	0
Minnesota	6	NM	NM	5	NM	NM	NM	0	0	0	0
Missouri	17	15	13.0%	17	15	0	0	0	0	0	0
Nebraska	NM	NM	NM	NM	NM	0	0	0	0	0	0
North Dakota	4	10	-63.0%	4	10	0	0	0	0	0	0
South Dakota	3	NM	NM	3	NM	0	0	NM	NM	0	0
South Atlantic	142	169	-16.0%	93	126	28	27	15	11	6	5
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	26	24	8.1%	25	22	NM	1	0	0	2	1
Georgia	12	13	-4.6%	9	11	NM	NM	0	0	3	2
Maryland	20	21	-4.9%	1	0	20	21	NM	NM	0	0
North Carolina	18	30	-38.0%	17	28	NM	NM	NM	NM	1	1
South Carolina	11	10	9.6%	10	10	1	0	0	NM	1	0
Virginia	24	28	-16.0%	NM	15	3	3	15	11	NM	NM
West Virginia	27	41	-35.0%	27	41	0	0	0	0	0	0
East South Central	36	43	-16.0%	29	42	6	0	0	0	1	1
Alabama	7	NM	NM	NM	NM	6	0	0	0	NM	NM
Kentucky	12	15	-25.0%	12	15	0	0	0	0	0	0
Mississippi	1	1	-0.7%	1	1	0	0	0	0	0	0
Tennessee	16	25	-36.0%	16	25	0	0	0	0	0	0
West South Central	23	16	42.0%	18	13	5	3	0	0	0	0
Arkansas	6	4	45.0%	6	4	0	0	0	0	NM	NM
Louisiana	NM	NM	NM	NM	NM	0	0	0	0	0	0
Oklahoma	7	4	74.0%	7	4	0	0	0	0	0	0
Texas	9	6	44.0%	4	3	5	3	0	0	0	0
Mountain	59	108	-45.0%	58	108	2	NM	NM	NM	0	0
Arizona	6	5	18.0%	6	5	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	NM	NM	NM	NM	1	NM	0	0	0	0
Nevada	1	1	-53.0%	0	1	1	0	0	0	0	0
New Mexico	35	86	-60.0%	35	86	0	0	0	0	0	0
Utah	7	5	36.0%	7	5	0	0	0	0	0	0
Wyoming	9	9	-0.1%	9	9	0	0	0	0	0	0
Pacific Contiguous	8	15	-50.0%	5	9	1	4	NM	NM	1	2
California	6	9	-31.0%	4	6	1	2	0	0	0	1
Oregon	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Washington	1	6	-78.0%	NM	3	NM	2	0	0	1	1
Pacific Noncontiguous	941	1,180	-20.0%	809	1,041	116	110	1	6	15	24
Alaska	98	196	-50.0%	95	187	NM	0	NM	3	3	6
Hawaii	843	983	-14.0%	714	854	116	109	1	3	12	18
U.S. Total	1,633	1,777	-8.1%	1,299	1,484	285	237	23	22	26	34

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

Table 2.10.A. Consumption of Petroleum Coke for Electricity Generation by State, by Sector, January 2021 and January 2020 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
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	1	-100.0%	0	0	0	0	0	0	0	1
New Jersey	0	1	-100.0%	0	0	0	0	0	0	0	1
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	46	70	-35.0%	15	37	27	26	0	0	4	7
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	15	39	-61.0%	11	33	0	0	0	0	4	7
Ohio	27	26	0.9%	0	0	27	26	0	0	0	0
Wisconsin	4	4	-14.0%	4	4	0	0	0	0	0	0
West North Central	1	1	-20.0%	0	0	0	0	0	0	1	1
Iowa	1	1	-20.0%	0	0	0	0	0	0	1	1
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	38	65	-42.0%	34	61	0	0	0	0	4	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	34	61	-45.0%	34	61	0	0	0	0	0	0
Georgia	4	3	14.0%	0	0	0	0	0	0	4	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	166	109	52.0%	162	105	0	0	0	0	3	4
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	162	105	54.0%	162	105	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3	4	-6.4%	0	0	0	0	0	0	3	4
Mountain	17	15	12.0%	0	0	17	15	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	17	15	12.0%	0	0	17	15	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	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	268	261	2.5%	211	204	44	42	0	0	12	15

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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 January 2021 and January 2020 (Thousand Tons)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 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	1	-100.0%	0	0	0	0	0	0	0	1
New Jersey	0	1	-100.0%	0	0	0	0	0	0	0	1
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	46	70	-35.0%	15	37	27	26	0	0	4	7
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	15	39	-61.0%	11	33	0	0	0	0	4	7
Ohio	27	26	0.9%	0	0	27	26	0	0	0	0
Wisconsin	4	4	-14.0%	4	4	0	0	0	0	0	0
West North Central	1	1	-20.0%	0	0	0	0	0	0	1	1
Iowa	1	1	-20.0%	0	0	0	0	0	0	1	1
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	38	65	-42.0%	34	61	0	0	0	0	4	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	34	61	-45.0%	34	61	0	0	0	0	0	0
Georgia	4	3	14.0%	0	0	0	0	0	0	4	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	166	109	52.0%	162	105	0	0	0	0	3	4
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	162	105	54.0%	162	105	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3	4	-6.4%	0	0	0	0	0	0	3	4
Mountain	17	15	12.0%	0	0	17	15	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	17	15	12.0%	0	0	17	15	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	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	268	261	2.5%	211	204	44	42	0	0	12	15

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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 2.11.A. Consumption of Natural Gas for Electricity Generation by State, by Sector, January 2021 and January 2020 (Million Cubic Feet)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
New England	33,013	32,044	3.0%	NM	NM	31,826	30,691	451	493	667	813
Connecticut	13,175	13,887	-5.1%	28	24	12,703	13,308	174	206	271	349
Maine	1,312	832	58.0%	0	0	1,137	625	14	13	160	194
Massachusetts	12,341	10,673	16.0%	NM	NM	11,973	10,274	243	257	94	122
New Hampshire	2,062	2,022	2.0%	10	1	2,031	2,003	4	1	17	17
Rhode Island	4,122	4,628	-11.0%	0	0	3,981	4,481	16	15	125	132
Vermont	1	2	-30.0%	1	1	0	0	1	0	0	0
Middle Atlantic	117,625	117,510	0.1%	11,382	7,054	104,368	108,346	707	780	1,169	1,330
New Jersey	11,629	17,445	-33.0%	NM	NM	11,319	16,968	120	151	115	226
New York	33,507	30,319	11.0%	11,307	6,953	21,324	22,440	528	560	349	367
Pennsylvania	72,489	69,746	3.9%	0	0	71,725	68,939	59	69	705	738
East North Central	96,468	113,206	-15.0%	29,445	40,523	64,035	69,264	628	683	2,359	2,736
Illinois	13,530	16,124	-16.0%	539	1,878	12,456	13,741	183	170	352	335
Indiana	19,168	21,452	-11.0%	7,428	9,179	10,595	10,805	73	85	1,072	1,383
Michigan	16,639	26,159	-36.0%	3,991	10,912	12,092	14,628	241	286	316	334
Ohio	34,402	34,589	-0.5%	5,892	5,103	28,295	29,268	84	90	131	129
Wisconsin	12,730	14,882	-14.0%	11,595	13,452	598	823	47	53	489	555
West North Central	15,257	22,955	-34.0%	12,536	18,264	2,286	4,223	146	152	289	315
Iowa	1,961	3,968	-51.0%	1,762	3,743	0	NM	52	50	147	174
Kansas	1,319	1,369	-3.7%	1,273	1,308	0	0	0	0	46	61
Minnesota	5,650	8,621	-34.0%	4,227	6,660	1,334	1,861	39	46	50	53
Missouri	4,427	5,649	-22.0%	3,404	3,220	952	2,362	53	53	19	15
Nebraska	511	999	-49.0%	508	996	0	0	3	3	0	0
North Dakota	969	1,448	-33.0%	941	1,436	0	0	0	0	28	12
South Dakota	420	900	-53.0%	420	900	0	0	0	0	0	0
South Atlantic	207,377	224,602	-7.7%	177,176	186,713	26,454	34,119	1,031	1,052	2,716	2,718
Delaware	631	2,032	-69.0%	9	1	NM	1,508	0	0	397	522
District of Columbia	150	148	1.1%	0	0	0	0	150	148	0	0
Florida	90,876	97,086	-6.4%	87,398	92,653	2,737	3,666	12	11	729	757
Georgia	33,964	34,577	-1.8%	27,421	28,039	6,156	6,183	0	0	387	355
Maryland	5,889	6,953	-15.0%	418	1,090	4,690	5,062	764	784	17	17
North Carolina	29,922	28,947	3.4%	25,392	23,814	4,321	4,946	105	100	104	86
South Carolina	12,872	14,313	-10.0%	12,488	13,925	259	281	0	0	125	106
Virginia	31,942	39,742	-20.0%	23,999	27,184	7,247	11,888	0	9	697	661
West Virginia	1,131	803	41.0%	51	6	819	584	0	0	261	213
East South Central	89,162	80,646	11.0%	65,153	59,965	22,195	18,828	93	99	1,721	1,754
Alabama	32,589	29,496	10.0%	9,824	10,214	22,153	18,636	0	0	613	647
Kentucky	9,331	9,199	1.4%	9,219	8,934	23	174	0	0	89	91
Mississippi	35,097	30,967	13.0%	34,836	30,712	3	3	0	0	258	252
Tennessee	12,145	10,984	11.0%	11,274	10,106	16	16	93	99	762	764
West South Central	191,868	220,839	-13.0%	66,811	86,138	87,091	95,717	342	392	37,624	38,592
Arkansas	7,683	12,294	-38.0%	6,834	11,511	685	630	NM	NM	122	111
Louisiana	34,531	39,032	-12.0%	19,335	22,717	1,185	2,033	82	71	13,929	14,211
Oklahoma	21,787	30,005	-27.0%	13,282	18,858	8,145	10,828	0	0	359	320
Texas	127,867	139,508	-8.3%	27,359	33,052	77,075	82,226	219	280	23,213	23,950
Mountain	70,407	72,835	-3.3%	53,560	56,909	15,692	14,634	180	206	974	1,086
Arizona	27,700	27,280	1.5%	18,468	19,173	9,183	8,063	49	44	0	0
Colorado	10,107	10,460	-3.4%	8,452	9,090	1,621	1,321	0	19	34	30
Idaho	2,825	3,620	-22.0%	1,687	2,281	1,059	1,255	15	15	64	68
Montana	268	370	-27.0%	237	320	28	46	0	0	3	3
Nevada	15,350	15,493	-0.9%	13,894	13,981	1,332	1,324	20	22	104	166
New Mexico	7,308	8,464	-14.0%	4,799	5,844	2,468	2,576	NM	45	0	0
Utah	6,196	6,301	-1.7%	5,789	5,822	0	44	54	61	353	374
Wyoming	652	847	-23.0%	233	398	1	4	0	0	418	445
Pacific Contiguous	69,124	70,927	-2.5%	25,518	30,531	36,461	33,356	795	862	6,351	6,177
California	49,765	46,852	6.2%	14,811	16,543	28,285	23,699	769	840	5,900	5,770
Oregon	11,126	14,244	-22.0%	5,510	7,092	5,536	7,071	18	21	61	60
Washington	8,234	9,831	-16.0%	5,197	6,897	2,640	2,586	7	1	390	347
Pacific Noncontiguous	1,753	2,466	-29.0%	1,726	2,448	0	0	0	0	27	18
Alaska	1,753	2,466	-29.0%	1,726	2,448	0	0	0	0	27	18
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	892,055	958,029	-6.9%	443,375	488,592	390,408	409,177	4,373	4,720	53,899	55,539

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

Table 2.11.B. Consumption of Nautral Gas for Electricity Generation by State, by Sector, Year-to-Date through January 2021 and January 2020 (Million Cubic Feet)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD
New England	33,013	32,044	3.0%	NM	NM	31,826	30,691	451	493	667	813
Connecticut	13,175	13,887	-5.1%	28	24	12,703	13,308	174	206	271	349
Maine	1,312	832	58.0%	0	0	1,137	625	14	13	160	194
Massachusetts	12,341	10,673	16.0%	NM	NM	11,973	10,274	243	257	94	122
New Hampshire	2,062	2,022	2.0%	10	1	2,031	2,003	4	1	17	17
Rhode Island	4,122	4,628	-11.0%	0	0	3,981	4,481	16	15	125	132
Vermont	1	2	-30.0%	1	1	0	0	1	0	0	0
Middle Atlantic	117,625	117,510	0.1%	11,382	7,054	104,368	108,346	707	780	1,169	1,330
New Jersey	11,629	17,445	-33.0%	NM	NM	11,319	16,968	120	151	115	226
New York	33,507	30,319	11.0%	11,307	6,953	21,324	22,440	528	560	349	367
Pennsylvania	72,489	69,746	3.9%	0	0	71,725	68,939	59	69	705	738
East North Central	96,468	113,206	-15.0%	29,445	40,523	64,035	69,264	628	683	2,359	2,736
Illinois	13,530	16,124	-16.0%	539	1,878	12,456	13,741	183	170	352	335
Indiana	19,168	21,452	-11.0%	7,428	9,179	10,595	10,805	73	85	1,072	1,383
Michigan	16,639	26,159	-36.0%	3,991	10,912	12,092	14,628	241	286	316	334
Ohio	34,402	34,589	-0.5%	5,892	5,103	28,295	29,268	84	90	131	129
Wisconsin	12,730	14,882	-14.0%	11,595	13,452	598	823	47	53	489	555
West North Central	15,257	22,955	-34.0%	12,536	18,264	2,286	4,223	146	152	289	315
Iowa	1,961	3,968	-51.0%	1,762	3,743	0	NM	52	50	147	174
Kansas	1,319	1,369	-3.7%	1,273	1,308	0	0	0	0	46	61
Minnesota	5,650	8,621	-34.0%	4,227	6,660	1,334	1,861	39	46	50	53
Missouri	4,427	5,649	-22.0%	3,404	3,220	952	2,362	53	53	19	15
Nebraska	511	999	-49.0%	508	996	0	0	3	3	0	0
North Dakota	969	1,448	-33.0%	941	1,436	0	0	0	0	28	12
South Dakota	420	900	-53.0%	420	900	0	0	0	0	0	0
South Atlantic	207,377	224,602	-7.7%	177,176	186,713	26,454	34,119	1,031	1,052	2,716	2,718
Delaware	631	2,032	-69.0%	9	1	NM	1,508	0	0	397	522
District of Columbia	150	148	1.1%	0	0	0	0	150	148	0	0
Florida	90,876	97,086	-6.4%	87,398	92,653	2,737	3,666	12	11	729	757
Georgia	33,964	34,577	-1.8%	27,421	28,039	6,156	6,183	0	0	387	355
Maryland	5,889	6,953	-15.0%	418	1,090	4,690	5,062	764	784	17	17
North Carolina	29,922	28,947	3.4%	25,392	23,814	4,321	4,946	105	100	104	86
South Carolina	12,872	14,313	-10.0%	12,488	13,925	259	281	0	0	125	106
Virginia	31,942	39,742	-20.0%	23,999	27,184	7,247	11,888	0	9	697	661
West Virginia	1,131	803	41.0%	51	6	819	584	0	0	261	213
East South Central	89,162	80,646	11.0%	65,153	59,965	22,195	18,828	93	99	1,721	1,754
Alabama	32,589	29,496	10.0%	9,824	10,214	22,153	18,636	0	0	613	647
Kentucky	9,331	9,199	1.4%	9,219	8,934	23	174	0	0	89	91
Mississippi	35,097	30,967	13.0%	34,836	30,712	3	3	0	0	258	252
Tennessee	12,145	10,984	11.0%	11,274	10,106	16	16	93	99	762	764
West South Central	191,868	220,839	-13.0%	66,811	86,138	87,091	95,717	342	392	37,624	38,592
Arkansas	7,683	12,294	-38.0%	6,834	11,511	685	630	NM	NM	122	111
Louisiana	34,531	39,032	-12.0%	19,335	22,717	1,185	2,033	82	71	13,929	14,211
Oklahoma	21,787	30,005	-27.0%	13,282	18,858	8,145	10,828	0	0	359	320
Texas	127,867	139,508	-8.3%	27,359	33,052	77,075	82,226	219	280	23,213	23,950
Mountain	70,407	72,835	-3.3%	53,560	56,909	15,692	14,634	180	206	974	1,086
Arizona	27,700	27,280	1.5%	18,468	19,173	9,183	8,063	49	44	0	0
Colorado	10,107	10,460	-3.4%	8,452	9,090	1,621	1,321	0	19	34	30
Idaho	2,825	3,620	-22.0%	1,687	2,281	1,059	1,255	15	15	64	68
Montana	268	370	-27.0%	237	320	28	46	0	0	3	3
Nevada	15,350	15,493	-0.9%	13,894	13,981	1,332	1,324	20	22	104	166
New Mexico	7,308	8,464	-14.0%	4,799	5,844	2,468	2,576	NM	45	0	0
Utah	6,196	6,301	-1.7%	5,789	5,822	0	44	54	61	353	374
Wyoming	652	847	-23.0%	233	398	1	4	0	0	418	445
Pacific Contiguous	69,124	70,927	-2.5%	25,518	30,531	36,461	33,356	795	862	6,351	6,177
California	49,765	46,852	6.2%	14,811	16,543	28,285	23,699	769	840	5,900	5,770
Oregon	11,126	14,244	-22.0%	5,510	7,092	5,536	7,071	18	21	61	60
Washington	8,234	9,831	-16.0%	5,197	6,897	2,640	2,586	7	1	390	347
Pacific Noncontiguous	1,753	2,466	-29.0%	1,726	2,448	0	0	0	0	27	18
Alaska	1,753	2,466	-29.0%	1,726	2,448	0	0	0	0	27	18
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	892,055	958,029	-6.9%	443,375	488,592	390,408	409,177	4,373	4,720	53,899	55,539

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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 2.12.A. Consumption of Landfill Gas for Electricity Generation by State, by Sector, January 2021 and January 2020 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector: Electric Utilities		Electric Power Sector: Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
New England	835	1,001	-17.0%	87	92	728	904	20	5	0	0
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	56	58	-4.0%	0	0	56	58	0	0	0	0
Massachusetts	298	314	-5.0%	0	0	298	314	0	0	0	0
New Hampshire	108	99	8.8%	0	0	88	94	20	5	0	0
Rhode Island	252	403	-37.0%	0	0	252	403	0	0	0	0
Vermont	106	112	-4.9%	87	92	NM	20	0	0	0	0
Middle Atlantic	3,203	4,153	-23.0%	0	0	3,040	3,980	NM	NM	96	107
New Jersey	398	506	-21.0%	0	0	378	486	NM	NM	0	0
New York	1,310	1,403	-6.6%	0	0	1,310	1,403	0	0	0	0
Pennsylvania	1,495	2,244	-33.0%	0	0	1,351	2,090	NM	NM	96	107
East North Central	5,252	5,334	-1.5%	865	933	4,331	4,352	36	26	21	23
Illinois	890	958	-7.2%	238	272	652	686	0	0	0	0
Indiana	741	752	-1.4%	627	661	115	91	0	0	0	0
Michigan	1,848	1,863	-0.8%	0	0	1,848	1,863	0	0	0	0
Ohio	914	837	9.1%	0	0	914	837	0	0	0	0
Wisconsin	860	925	-7.0%	0	0	803	875	36	26	21	23
West North Central	779	788	-1.0%	270	262	510	525	0	0	0	0
Iowa	201	201	-0.1%	0	0	201	201	0	0	0	0
Kansas	125	131	-4.7%	0	0	125	131	0	0	0	0
Minnesota	147	156	-5.6%	54	58	93	97	0	0	0	0
Missouri	155	165	-5.8%	64	69	91	96	0	0	0	0
Nebraska	151	135	12.0%	151	135	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	4,069	4,264	-4.6%	335	311	3,528	3,752	NM	NM	103	97
Delaware	105	110	-4.5%	0	0	97	102	0	0	NM	NM
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	824	821	0.4%	157	117	667	703	0	0	0	0
Georgia	515	562	-8.4%	0	0	503	552	0	0	11	9
Maryland	203	210	-3.1%	0	0	119	125	NM	NM	0	0
North Carolina	905	938	-3.5%	0	0	905	938	0	0	0	0
South Carolina	281	290	-3.1%	178	189	NM	21	0	0	NM	80
Virginia	1,236	1,334	-7.3%	0	5	1,217	1,310	NM	NM	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	450	474	-5.0%	176	185	275	290	0	0	0	0
Alabama	89	94	-4.7%	0	0	89	94	0	0	0	0
Kentucky	190	200	-5.4%	176	185	14	16	0	0	0	0
Mississippi	NM	24	NM	0	0	NM	24	0	0	0	0
Tennessee	149	157	-4.9%	0	0	149	157	0	0	0	0
West South Central	955	967	-1.2%	0	0	955	967	0	0	0	0
Arkansas	135	141	-4.6%	0	0	135	141	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	42	46	-7.1%	0	0	42	46	0	0	0	0
Texas	778	780	-0.3%	0	0	778	780	0	0	0	0
Mountain	547	567	-3.5%	24	25	450	489	74	NM	0	0
Arizona	67	71	-4.9%	0	0	67	71	0	0	0	0
Colorado	85	90	-4.7%	0	0	85	90	0	0	0	0
Idaho	78	62	26.0%	24	25	NM	NM	NM	NM	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	152	160	-5.1%	0	0	152	160	0	0	0	0
New Mexico	33	34	-5.0%	0	0	33	34	0	0	0	0
Utah	132	151	-12.0%	0	0	105	126	27	24	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	4,564	4,659	-2.0%	128	130	3,220	3,318	1,216	1,211	0	0
California	4,025	4,078	-1.3%	NM	NM	2,835	2,893	1,181	1,177	0	0
Oregon	455	492	-7.5%	120	122	300	336	NM	NM	0	0
Washington	85	89	-5.2%	0	0	85	89	0	0	0	0
Pacific Noncontiguous	73	63	15.0%	0	0	0	0	73	63	0	0
Alaska	73	63	15.0%	0	0	0	0	73	63	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	20,728	22,271	-6.9%	1,884	1,938	17,035	18,577	1,589	1,528	220	227

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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 2.12.B. Consumption of Landfill Gas for Electricity Generation by State, by Sector, Year-to-Date through January 2021 and January 2020 (Million Cubic Feet)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD
New England	835	1,001	-17.0%	87	92	728	904	20	5	0	0
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	56	58	-4.0%	0	0	56	58	0	0	0	0
Massachusetts	298	314	-5.0%	0	0	298	314	0	0	0	0
New Hampshire	108	99	8.8%	0	0	88	94	20	5	0	0
Rhode Island	252	403	-37.0%	0	0	252	403	0	0	0	0
Vermont	106	112	-4.9%	87	92	NM	20	0	0	0	0
Middle Atlantic	3,203	4,153	-23.0%	0	0	3,040	3,980	NM	NM	96	107
New Jersey	398	506	-21.0%	0	0	378	486	NM	NM	0	0
New York	1,310	1,403	-6.6%	0	0	1,310	1,403	0	0	0	0
Pennsylvania	1,495	2,244	-33.0%	0	0	1,351	2,090	NM	NM	96	107
East North Central	5,252	5,334	-1.5%	865	933	4,331	4,352	36	26	21	23
Illinois	890	958	-7.2%	238	272	652	686	0	0	0	0
Indiana	741	752	-1.4%	627	661	115	91	0	0	0	0
Michigan	1,848	1,863	-0.8%	0	0	1,848	1,863	0	0	0	0
Ohio	914	837	9.1%	0	0	914	837	0	0	0	0
Wisconsin	860	925	-7.0%	0	0	803	875	36	26	21	23
West North Central	779	788	-1.0%	270	262	510	525	0	0	0	0
Iowa	201	201	-0.1%	0	0	201	201	0	0	0	0
Kansas	125	131	-4.7%	0	0	125	131	0	0	0	0
Minnesota	147	156	-5.6%	54	58	93	97	0	0	0	0
Missouri	155	165	-5.8%	64	69	91	96	0	0	0	0
Nebraska	151	135	12.0%	151	135	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	4,069	4,264	-4.6%	335	311	3,528	3,752	NM	NM	103	97
Delaware	105	110	-4.5%	0	0	97	102	0	0	NM	NM
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	824	821	0.4%	157	117	667	703	0	0	0	0
Georgia	515	562	-8.4%	0	0	503	552	0	0	11	9
Maryland	203	210	-3.1%	0	0	119	125	NM	NM	0	0
North Carolina	905	938	-3.5%	0	0	905	938	0	0	0	0
South Carolina	281	290	-3.1%	178	189	NM	21	0	0	NM	80
Virginia	1,236	1,334	-7.3%	0	5	1,217	1,310	NM	NM	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	450	474	-5.0%	176	185	275	290	0	0	0	0
Alabama	89	94	-4.7%	0	0	89	94	0	0	0	0
Kentucky	190	200	-5.4%	176	185	14	16	0	0	0	0
Mississippi	NM	24	NM	0	0	NM	24	0	0	0	0
Tennessee	149	157	-4.9%	0	0	149	157	0	0	0	0
West South Central	955	967	-1.2%	0	0	955	967	0	0	0	0
Arkansas	135	141	-4.6%	0	0	135	141	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	42	46	-7.1%	0	0	42	46	0	0	0	0
Texas	778	780	-0.3%	0	0	778	780	0	0	0	0
Mountain	547	567	-3.5%	24	25	450	489	74	NM	0	0
Arizona	67	71	-4.9%	0	0	67	71	0	0	0	0
Colorado	85	90	-4.7%	0	0	85	90	0	0	0	0
Idaho	78	62	26.0%	24	25	NM	NM	NM	NM	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	152	160	-5.1%	0	0	152	160	0	0	0	0
New Mexico	33	34	-5.0%	0	0	33	34	0	0	0	0
Utah	132	151	-12.0%	0	0	105	126	27	24	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	4,564	4,659	-2.0%	128	130	3,220	3,318	1,216	1,211	0	0
California	4,025	4,078	-1.3%	NM	NM	2,835	2,893	1,181	1,177	0	0
Oregon	455	492	-7.5%	120	122	300	336	NM	NM	0	0
Washington	85	89	-5.2%	0	0	85	89	0	0	0	0
Pacific Noncontiguous	73	63	15.0%	0	0	0	0	73	63	0	0
Alaska	73	63	15.0%	0	0	0	0	73	63	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	20,728	22,271	-6.9%	1,884	1,938	17,035	18,577	1,589	1,528	220	227

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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, January 2021 and January 2020 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
New England	267	290	-7.9%	0	0	263	277	4	13	0	0
Connecticut	93	100	-6.4%	0	0	93	100	0	0	0	0
Maine	13	23	-44.0%	0	0	9	10	4	13	0	0
Massachusetts	152	159	-4.3%	0	0	152	159	0	0	0	0
New Hampshire	9	9	3.5%	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	418	434	-3.6%	0	0	328	345	90	88	0	0
New Jersey	109	113	-3.7%	0	0	79	84	29	29	0	0
New York	149	153	-3.1%	0	0	111	117	38	36	0	0
Pennsylvania	161	167	-4.0%	0	0	138	144	23	23	0	0
East North Central	14	14	-4.4%	3	3	0	0	11	12	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	2	2	-1.2%	0	0	0	0	2	2	0	0
Michigan	9	10	-3.6%	0	0	0	0	9	10	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	3	3	-8.9%	3	3	0	0	0	0	0	0
West North Central	37	36	3.5%	18	16	19	20	NM	NM	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	37	36	3.5%	18	16	19	20	NM	NM	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	425	426	-0.3%	0	0	393	392	32	34	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	293	298	-1.6%	0	0	293	298	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	49	29	67.0%	0	0	49	29	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	82	99	-17.0%	0	0	50	65	32	34	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	-34.0%	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	-34.0%	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	58	58	-1.2%	0	0	58	58	0	0	0	0
California	34	36	-5.4%	0	0	34	36	0	0	0	0
Oregon	9	9	-2.4%	0	0	9	9	0	0	0	0
Washington	14	12	12.0%	0	0	14	12	0	0	0	0
Pacific Noncontiguous	41	41	-1.5%	0	0	0	0	41	41	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	41	41	-1.5%	0	0	0	0	41	41	0	0
U.S. Total	1,260	1,300	-3.1%	20	19	1,061	1,093	178	188	1	1

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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.B. Consumption of Biogenic Municipal Solid Waste for Electricity Generation by State, by Sector, Year-to-Date through January 2021 and January 2020 (Thousand Tons)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD
New England	267	290	-7.9%	0	0	263	277	4	13	0	0
Connecticut	93	100	-6.4%	0	0	93	100	0	0	0	0
Maine	13	23	-44.0%	0	0	9	10	4	13	0	0
Massachusetts	152	159	-4.3%	0	0	152	159	0	0	0	0
New Hampshire	9	9	3.5%	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	418	434	-3.6%	0	0	328	345	90	88	0	0
New Jersey	109	113	-3.7%	0	0	79	84	29	29	0	0
New York	149	153	-3.1%	0	0	111	117	38	36	0	0
Pennsylvania	161	167	-4.0%	0	0	138	144	23	23	0	0
East North Central	14	14	-4.4%	3	3	0	0	11	12	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	2	2	-1.2%	0	0	0	0	2	2	0	0
Michigan	9	10	-3.6%	0	0	0	0	9	10	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	3	3	-8.9%	3	3	0	0	0	0	0	0
West North Central	37	36	3.5%	18	16	19	20	NM	NM	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	37	36	3.5%	18	16	19	20	NM	NM	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	425	426	-0.3%	0	0	393	392	32	34	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	293	298	-1.6%	0	0	293	298	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	49	29	67.0%	0	0	49	29	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	82	99	-17.0%	0	0	50	65	32	34	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	-34.0%	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	-34.0%	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	58	58	-1.2%	0	0	58	58	0	0	0	0
California	34	36	-5.4%	0	0	34	36	0	0	0	0
Oregon	9	9	-2.4%	0	0	9	9	0	0	0	0
Washington	14	12	12.0%	0	0	14	12	0	0	0	0
Pacific Noncontiguous	41	41	-1.5%	0	0	0	0	41	41	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	41	41	-1.5%	0	0	0	0	41	41	0	0
U.S. Total	1,260	1,300	-3.1%	20	19	1,061	1,093	178	188	1	1

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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 2.14.A. Consumption of Wood / Wood Waste Biomass for Electricity Generation by State, by Sector, January 2021 and January 2020 (Billion Btus)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
New England	3,056	3,494	-13.0%	342	603	2,194	2,407	1	2	519	483
Connecticut	NM	249	NM	0	0	NM	249	0	0	0	0
Maine	1,399	1,354	3.3%	0	0	880	871	0	0	519	483
Massachusetts	NM	NM	NM	0	0	NM	NM	0	0	0	0
New Hampshire	NM	1,220	NM	0	231	NM	988	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	456	515	-11.0%	342	372	NM	NM	1	2	0	0
Middle Atlantic	788	695	13.0%	0	0	551	451	0	0	237	244
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	630	536	17.0%	0	0	551	451	0	0	NM	85
Pennsylvania	159	159	-0.2%	0	0	0	0	0	0	159	159
East North Central	1,984	1,832	8.3%	NM	381	NM	886	0	0	599	565
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	1,215	1,136	6.9%	0	0	NM	876	0	0	302	260
Ohio	108	109	-1.4%	0	0	11	10	0	0	97	100
Wisconsin	662	586	13.0%	NM	381	0	0	0	0	200	205
West North Central	459	413	11.0%	NM	NM	NM	99	53	34	242	242
Iowa	0	6	-100.0%	0	0	0	0	0	6	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	439	379	16.0%	NM	NM	NM	99	32	0	242	242
Missouri	20	28	-28.0%	0	0	0	0	20	28	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	10,452	10,528	-0.7%	1,684	1,866	3,562	3,069	11	13	5,196	5,580
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	1,350	1,512	-11.0%	612	592	NM	NM	0	0	643	749
Georgia	4,126	3,561	16.0%	0	0	2,068	1,286	0	0	2,058	2,274
Maryland	11	13	-20.0%	0	0	0	0	11	13	0	0
North Carolina	1,193	1,263	-5.5%	0	0	635	732	0	0	558	532
South Carolina	1,341	1,476	-9.2%	0	0	533	666	0	0	808	810
Virginia	2,431	2,702	-10.0%	NM	1,273	NM	214	0	0	1,129	1,214
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	2,918	3,028	-3.7%	0	0	0	0	0	0	2,918	3,028
Alabama	1,987	1,991	-0.2%	0	0	0	0	0	0	1,987	1,991
Kentucky	119	108	10.0%	0	0	0	0	0	0	119	108
Mississippi	586	541	8.2%	0	0	0	0	0	0	586	541
Tennessee	226	388	-42.0%	0	0	0	0	0	0	226	388
West South Central	2,088	2,161	-3.4%	0	0	0	0	0	0	2,088	2,161
Arkansas	435	433	0.5%	0	0	0	0	0	0	435	433
Louisiana	1,059	1,098	-3.5%	0	0	0	0	0	0	1,059	1,098
Oklahoma	156	162	-4.1%	0	0	0	0	0	0	156	162
Texas	439	468	-6.3%	0	0	0	0	0	0	439	468
Mountain	445	574	-23.0%	0	0	NM	418	0	0	158	156
Arizona	NM	282	NM	0	0	NM	282	0	0	0	0
Colorado	93	110	-16.0%	0	0	93	110	0	0	0	0
Idaho	159	161	-1.3%	0	0	22	26	0	0	137	135
Montana	21	21	0.8%	0	0	0	0	0	0	21	21
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	5,240	5,664	-7.5%	NM	359	3,020	3,459	0	0	1,947	1,845
California	3,765	4,074	-7.6%	0	0	2,818	3,225	0	0	947	848
Oregon	582	599	-2.9%	0	0	NM	234	0	0	380	365
Washington	894	992	-9.9%	NM	359	0	0	0	0	620	632
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	27,432	28,389	-3.4%	2,825	3,247	10,638	10,789	64	49	13,905	14,305

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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 2.14.B. Consumption of Wood / Wood Waste Biomass for Electricity Generation by State, by Sector, Year-to-Date through January 2021 and January 2020 (Billion Btus)

				Electric Power Sector							
Census Division and State	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD
New England	3,056	3,494	-13.0%	342	603	2,194	2,407	1	2	519	483
Connecticut	NM	249	NM	0	0	NM	249	0	0	0	0
Maine	1,399	1,354	3.3%	0	0	880	871	0	0	519	483
Massachusetts	NM	NM	NM	0	0	NM	NM	0	0	0	0
New Hampshire	NM	1,220	NM	0	231	NM	988	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	456	515	-11.0%	342	372	NM	NM	1	2	0	0
Middle Atlantic	788	695	13.0%	0	0	551	451	0	0	237	244
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	630	536	17.0%	0	0	551	451	0	0	NM	85
Pennsylvania	159	159	-0.2%	0	0	0	0	0	0	159	159
East North Central	1,984	1,832	8.3%	NM	381	NM	886	0	0	599	565
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	1,215	1,136	6.9%	0	0	NM	876	0	0	302	260
Ohio	108	109	-1.4%	0	0	11	10	0	0	97	100
Wisconsin	662	586	13.0%	NM	381	0	0	0	0	200	205
West North Central	459	413	11.0%	NM	NM	NM	99	53	34	242	242
Iowa	0	6	-100.0%	0	0	0	0	0	6	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	439	379	16.0%	NM	NM	NM	99	32	0	242	242
Missouri	20	28	-28.0%	0	0	0	0	20	28	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	10,452	10,528	-0.7%	1,684	1,866	3,562	3,069	11	13	5,196	5,580
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	1,350	1,512	-11.0%	612	592	NM	NM	0	0	643	749
Georgia	4,126	3,561	16.0%	0	0	2,068	1,286	0	0	2,058	2,274
Maryland	11	13	-20.0%	0	0	0	0	11	13	0	0
North Carolina	1,193	1,263	-5.5%	0	0	635	732	0	0	558	532
South Carolina	1,341	1,476	-9.2%	0	0	533	666	0	0	808	810
Virginia	2,431	2,702	-10.0%	NM	1,273	NM	214	0	0	1,129	1,214
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	2,918	3,028	-3.7%	0	0	0	0	0	0	2,918	3,028
Alabama	1,987	1,991	-0.2%	0	0	0	0	0	0	1,987	1,991
Kentucky	119	108	10.0%	0	0	0	0	0	0	119	108
Mississippi	586	541	8.2%	0	0	0	0	0	0	586	541
Tennessee	226	388	-42.0%	0	0	0	0	0	0	226	388
West South Central	2,088	2,161	-3.4%	0	0	0	0	0	0	2,088	2,161
Arkansas	435	433	0.5%	0	0	0	0	0	0	435	433
Louisiana	1,059	1,098	-3.5%	0	0	0	0	0	0	1,059	1,098
Oklahoma	156	162	-4.1%	0	0	0	0	0	0	156	162
Texas	439	468	-6.3%	0	0	0	0	0	0	439	468
Mountain	445	574	-23.0%	0	0	NM	418	0	0	158	156
Arizona	NM	282	NM	0	0	NM	282	0	0	0	0
Colorado	93	110	-16.0%	0	0	93	110	0	0	0	0
Idaho	159	161	-1.3%	0	0	22	26	0	0	137	135
Montana	21	21	0.8%	0	0	0	0	0	0	21	21
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	5,240	5,664	-7.5%	NM	359	3,020	3,459	0	0	1,947	1,845
California	3,765	4,074	-7.6%	0	0	2,818	3,225	0	0	947	848
Oregon	582	599	-2.9%	0	0	NM	234	0	0	380	365
Washington	894	992	-9.9%	NM	359	0	0	0	0	620	632
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	27,432	28,389	-3.4%	2,825	3,247	10,638	10,789	64	49	13,905	14,305

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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, 2011 - January 2021

	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									
2011	172,387	33,742	508	142,103	24,544	404	30,284	9,198	104
2012	185,116	30,862	495	150,942	22,513	414	34,174	8,349	81
2013	147,884	30,387	390	120,792	21,208	303	27,092	9,179	86
2014	151,548	32,322	827	116,684	21,304	686	34,864	11,018	142
2015	195,548	31,694	1,340	153,226	20,253	1,163	42,322	11,441	177
2016	162,009	30,593	845	130,885	19,767	603	31,124	10,827	241
2017	137,687	28,089	864	114,782	19,047	692	22,905	9,041	171
2018	102,793	25,977	539	84,728	16,553	521	18,065	9,423	19
2019	128,176	25,960	471	104,265	16,435	428	23,911	9,525	43
2020	132,723	25,547	298	107,421	15,632	273	25,302	9,915	25
Year 2019, End of Month Stocks									
January	99,145	25,791	528	81,550	16,464	518	17,595	9,327	9
February	98,637	26,154	505	81,171	16,781	494	17,467	9,373	11
March	96,932	26,202	503	79,482	16,870	482	17,450	9,332	21
April	108,072	26,330	513	88,197	16,994	500	19,875	9,336	13
May	115,700	26,407	444	93,461	17,063	434	22,239	9,344	10
June	116,861	26,185	388	93,750	16,862	381	23,111	9,323	7
July	110,661	25,827	354	89,490	16,598	347	21,171	9,230	8
August	110,268	25,208	380	89,041	16,128	372	21,227	9,080	8
Sept	110,615	25,448	292	89,616	16,352	281	20,998	9,096	11
October	118,566	25,413	292	96,194	16,359	277	22,372	9,055	16
November	122,357	25,720	464	99,459	16,480	407	22,898	9,240	57
December	128,176	25,960	471	104,265	16,435	428	23,911	9,525	43
Year 2020, End of Month Stocks									
January	134,352	25,120	508	108,441	16,014	503	25,911	9,105	5
February	139,280	24,995	600	112,162	15,955	584	27,118	9,040	16
March	145,218	25,331	541	116,496	16,285	527	28,722	9,046	14
April	151,723	25,396	541	122,155	16,289	525	29,568	9,107	17
May	154,037	25,525	529	123,748	16,290	518	30,290	9,234	11
June	150,406	25,546	480	120,411	16,161	471	29,995	9,385	9
July	137,956	26,233	456	110,573	16,248	437	27,383	9,985	19
August	129,645	25,216	408	104,163	16,001	402	25,482	9,214	6
Sept	129,079	25,737	417	103,162	15,787	402	25,918	9,950	15
October	133,421	25,730	457	106,687	15,830	435	26,734	9,899	21
November	136,168	25,424	472	109,070	15,609	452	27,098	9,814	21
December	132,723	25,547	298	107,421	15,632	273	25,302	9,915	25
Year 2021, End of Month Stocks									
January	125,399	25,449	253	101,786	15,560	250	23,612	9,890	3

Notes: See Glossary for definitions. Values for 2019 and prior years are final. Values for 2020 and 2021 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, January 2021 and 2020

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	January 2021	January 2020	Percentage Change	January 2021	January 2020	Percentage Change	January 2021	January 2020	Percentage Change
New England	W	462	W	3,601	3,342	7.7%	0	0	--
Connecticut	W	W	W	1,251	1,173	6.7%	0	0	--
Maine	0	0	--	296	220	34.2%	0	0	--
Massachusetts	0	0	--	1,426	1,374	3.8%	0	0	--
New Hampshire	W	W	W	378	343	10.2%	0	0	--
Rhode Island	0	0	--	219	206	6.4%	0	0	--
Vermont	0	0	--	31	27	16.1%	0	0	--
Middle Atlantic	3,392	4,837	-29.9%	4,980	5,426	-8.2%	0	0	--
New Jersey	W	W	W	743	749	-0.8%	0	0	--
New York	0	W	W	2,879	3,315	-13.2%	0	0	--
Pennsylvania	W	4,653	W	1,359	1,361	-0.2%	0	0	--
East North Central	28,930	29,208	-1.0%	1,586	1,084	46.3%	W	W	W
Illinois	5,638	4,992	12.9%	72	73	-1.0%	0	0	--
Indiana	9,612	9,494	1.2%	95	83	14.7%	0	0	--
Michigan	4,103	4,812	-14.7%	252	270	-6.6%	W	W	W
Ohio	6,403	6,813	-6.0%	462	480	-3.7%	0	W	W
Wisconsin	3,173	3,097	2.5%	704	178	294.9%	W	W	W
West North Central	24,207	23,640	2.4%	781	820	-4.8%	0	0	--
Iowa	6,957	5,068	37.3%	109	123	-11.9%	0	0	--
Kansas	3,414	3,472	-1.7%	129	103	25.7%	0	0	--
Minnesota	2,919	3,685	-20.8%	100	100	0.1%	0	0	--
Missouri	6,799	7,304	-6.9%	293	313	-6.4%	0	0	--
Nebraska	2,938	2,580	13.9%	76	86	-11.7%	0	0	--
North Dakota	W	W	W	36	47	-23.6%	0	0	--
South Dakota	W	W	W	38	48	-20.9%	0	0	--
South Atlantic	20,169	24,711	-18.4%	10,459	10,344	1.1%	W	W	W
Delaware	W	W	W	510	510	-0.1%	0	0	--
District of Columbia	0	0	--	0	0	--	0	0	--
Florida	2,139	2,884	-25.8%	3,710	3,835	-3.3%	W	W	W
Georgia	5,259	5,562	-5.4%	941	817	15.1%	0	0	--
Maryland	1,242	1,859	-33.2%	764	679	12.5%	0	0	--
North Carolina	3,380	4,348	-22.2%	1,251	1,246	0.4%	0	0	--
South Carolina	1,361	2,456	-44.6%	716	669	7.1%	0	0	--
Virginia	621	W	W	2,421	2,444	-0.9%	0	0	--
West Virginia	W	6,379	W	147	144	2.0%	W	W	W
East South Central	11,182	13,040	-14.2%	1,132	1,183	-4.3%	0	0	--
Alabama	2,920	W	W	210	210	0.2%	0	0	--
Kentucky	5,414	6,480	-16.5%	220	226	-2.4%	0	0	--
Mississippi	W	W	W	6	10	-39.6%	0	0	--
Tennessee	W	2,958	W	696	738	-5.7%	0	0	--
West South Central	18,887	20,417	-7.5%	1,249	1,222	2.2%	W	W	W
Arkansas	3,542	3,960	-10.6%	165	161	3.0%	0	0	--
Louisiana	3,971	3,000	32.3%	216	206	4.8%	W	W	W
Oklahoma	2,479	2,553	-2.9%	96	89	7.5%	0	0	--
Texas	8,896	10,904	-18.4%	772	766	0.8%	0	0	--
Mountain	17,464	16,763	4.2%	361	328	10.2%	W	W	W
Arizona	W	3,571	W	120	106	13.0%	0	0	--
Colorado	3,563	3,808	-6.4%	128	118	8.5%	0	0	--
Idaho	0	0	--	0	0	-48.4%	0	0	--
Montana	W	W	W	15	16	-8.6%	W	W	W
Nevada	W	W	W	1	3	-81.1%	0	0	--
New Mexico	W	W	W	13	14	-4.7%	0	0	--
Utah	4,287	2,755	55.6%	42	38	10.1%	0	0	--
Wyoming	4,559	4,726	-3.5%	43	33	30.5%	0	0	--
Pacific Contiguous	W	W	W	357	345	3.4%	0	0	--
California	0	0	--	195	173	12.8%	0	0	--
Oregon	0	W	W	66	77	-14.5%	0	0	--
Washington	W	W	W	96	95	1.0%	0	0	--
Pacific Noncontiguous	W	W	W	944	1,026	-8.0%	0	0	--
Alaska	0	W	W	48	187	-74.2%	0	0	--
Hawaii	W	W	W	895	838	6.8%	0	0	--
U.S. Total	125,399	134,352	-6.7%	25,449	25,120	1.3%	253	508	-50.2%

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

Table 3.3 Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, by Census Divison, January 2021 and 2020

	Electric Power Sector			Electric Utilities		Independent Power Producers	
Census Division	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020
Coal (Thousand Tons)							
New England	W	462	W	W	W	W	W
Middle Atlantic	3,392	4,837	-29.9%	W	0	W	4,837
East North Central	28,930	29,208	-1.0%	17,737	18,716	11,193	10,491
West North Central	24,207	23,640	2.4%	24,207	23,640	0	0
South Atlantic	20,169	24,711	-18.4%	18,229	22,050	1,940	2,661
East South Central	11,182	13,040	-14.2%	11,182	13,040	0	0
West South Central	18,887	20,417	-7.5%	13,295	14,253	5,592	6,164
Mountain	17,464	16,763	4.2%	W	W	W	W
Pacific Contiguous	W	W	W	0	W	W	W
Pacific Noncontiguous	W	W	W	0	W	W	W
U.S. Total	**125,399**	**134,352**	**-6.7%**	**101,786**	**108,441**	**23,612**	**25,911**
Petroleum Liquids (Thousand Barrels)							
New England	3,601	3,342	7.7%	515	481	3,086	2,862
Middle Atlantic	4,980	5,426	-8.2%	1,829	2,117	3,151	3,309
East North Central	1,586	1,084	46.3%	640	697	946	388
West North Central	781	820	-4.8%	756	795	25	25
South Atlantic	10,459	10,344	1.1%	8,227	8,272	2,232	2,072
East South Central	1,132	1,183	-4.3%	1,040	1,090	92	93
West South Central	1,249	1,222	2.2%	1,050	1,007	199	215
Mountain	361	328	10.2%	332	298	29	30
Pacific Contiguous	357	345	3.4%	256	270	101	75
Pacific Noncontiguous	944	1,026	-8.0%	914	989	29	37
U.S. Total	**25,449**	**25,120**	**1.3%**	**15,560**	**16,014**	**9,890**	**9,105**
Petroleum Coke (Thousand Tons)							
New England	0	0	--	0	0	0	0
Middle Atlantic	0	0	--	0	0	0	0
East North Central	W	W	W	W	W	0	W
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	**253**	**508**	**-50.2%**	**250**	**503**	**3**	**5**

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, 2011 - January 2021
(Thousand Tons)

	Electric Power Sector			
Period	Bituminous Coal	Subbituminous Coal	Lignite Coal	Total
End of Year Stocks				
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	41,507	58,247	3,039	102,793
2019	54,843	69,942	3,124	128,176
2020	52,603	76,370	3,556	132,723
Year 2019, End of Month Stocks				
January	39,894	56,367	2,883	99,145
February	41,235	54,664	2,738	98,637
March	44,238	49,467	3,054	96,932
April	48,923	55,805	3,344	108,072
May	51,971	60,325	3,023	115,700
June	53,689	60,294	2,551	116,861
July	50,057	57,593	2,670	110,661
August	49,610	57,934	2,409	110,268
Sept	48,834	59,057	2,395	110,615
October	51,573	64,046	2,590	118,566
November	52,621	66,446	2,959	122,357
December	54,843	69,942	3,124	128,176
Year 2020, End of Month Stocks				
January	56,273	74,517	3,307	134,352
February	57,231	78,583	3,235	139,280
March	59,841	81,498	3,624	145,218
April	61,835	85,655	3,947	151,723
May	61,499	88,064	4,117	154,037
June	59,363	86,578	4,140	150,406
July	53,712	79,665	4,265	137,956
August	50,754	74,303	4,338	129,645
Sept	50,267	74,547	4,070	129,079
October	53,466	75,990	3,772	133,421
November	54,807	77,466	3,702	136,168
December	52,603	76,370	3,556	132,723
Year 2021, End of Month Stocks				
January	49,680	72,799	2,778	125,399

Notes: See Glossary for definitions.
Values for 2019 and prior years are final. Values for 2020 and 2021 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), 2011 - January 2021

	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												
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	10,745,991	560,153	2.02	38.70	1.31	101.8	88,662	14,711	13.62	82.12	0.49	64.0
2020	8,259,708	435,213	1.92	36.51	1.29	97.4	73,194	12,178	9.63	57.90	0.49	61.7
Year 2019												
January	1,010,158	52,809	2.10	40.15	1.32	92.4	8,961	1,486	12.46	75.19	0.46	51.0
February	853,344	44,826	2.07	39.38	1.27	97.1	9,019	1,483	13.25	80.59	0.48	88.4
March	827,252	42,436	2.08	40.49	1.50	94.1	7,697	1,277	14.44	87.07	0.47	78.1
April	874,686	45,147	2.07	40.03	1.37	131.4	7,083	1,175	14.87	89.62	0.52	75.3
May	896,817	46,301	2.05	39.76	1.38	113.1	6,759	1,125	14.51	87.20	0.50	58.3
June	873,807	45,367	2.03	39.03	1.35	100.4	6,883	1,145	13.70	82.32	0.49	61.5
July	945,182	49,535	2.02	38.54	1.28	87.2	5,943	993	13.80	82.63	0.48	51.5
August	986,319	51,507	2.00	38.30	1.26	96.6	5,217	878	14.25	84.70	0.51	44.1
Sept	895,606	46,816	1.96	37.47	1.27	97.3	8,345	1,376	12.64	76.68	0.48	76.2
October	875,036	45,699	1.96	37.48	1.27	119.0	6,806	1,129	13.72	82.68	0.50	61.1
November	851,748	44,843	1.96	37.27	1.26	104.5	7,994	1,316	13.02	79.10	0.49	70.2
December	856,036	44,867	1.91	36.50	1.25	108.0	7,954	1,328	13.64	81.73	0.49	67.3
Year 2020												
January	817,945	43,170	1.94	36.77	1.24	114.1	5,346	896	13.86	82.71	0.53	46.9
February	692,114	36,715	1.91	35.99	1.27	111.1	6,581	1,090	13.05	78.77	0.49	69.7
March	659,206	34,712	1.94	36.77	1.33	116.1	6,712	1,111	10.48	63.31	0.51	75.0
April	562,898	30,023	1.93	36.17	1.25	122.9	4,231	715	8.48	50.24	0.52	55.6
May	536,562	28,899	1.90	35.22	1.15	104.5	6,466	1,090	6.52	38.69	0.50	77.4
June	621,590	32,837	1.91	36.14	1.29	87.6	6,761	1,123	7.24	43.60	0.48	66.3
July	711,744	37,482	1.91	36.33	1.30	73.9	7,053	1,169	8.50	51.30	0.48	62.2
August	775,734	40,589	1.94	37.14	1.29	79.0	5,001	833	9.96	59.83	0.49	45.9
Sept	720,964	37,819	1.94	37.08	1.28	95.5	4,835	805	9.64	57.89	0.51	52.5
October	709,568	36,914	1.92	36.85	1.38	105.8	6,942	1,148	9.08	54.92	0.48	64.6
November	706,725	36,897	1.91	36.66	1.35	104.4	5,559	921	9.36	56.49	0.45	57.5
December	744,657	39,156	1.92	36.54	1.28	87.8	7,707	1,278	9.89	59.64	0.50	71.6
Year 2021												
January	714,042	37,425	1.90	36.36	1.33	80.6	6,981	1,149	10.95	66.56	0.52	64.1
Year to Date												
2019	1,010,158	52,809	2.10	40.15	1.32	92.4	8,961	1,486	12.46	75.19	0.46	51.0
2020	817,945	43,170	1.94	36.77	1.24	114.1	5,346	896	13.86	82.71	0.53	46.9
2021	714,043	37,425	1.90	36.36	1.33	80.6	6,981	1,149	10.95	66.56	0.52	64.1
Rolling 12 Months Ending in January												
2020	10,553,779	550,513	2.00	38.41	1.31	103.7	85,047	14,121	13.76	82.88	0.49	64.2
2021	8,155,805	429,468	1.92	36.47	1.29	94.3	74,830	12,432	9.45	56.91	0.49	63.4

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

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

- Values for 2019 and prior years are final. Values for 2020 and 2021 are preliminary.
- See Glossary for definitions.
- Starting in January 2013, there may have been a shift in the continuity of Chapter 4 tables due to changes in the sample design of Form EIA-923 and the imputation process.
- See the EIA-923 section of the Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
- See the Technical Notes for fuel conversion factors.
- Totals may not equal the sum of components because of independent rounding.

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

Table 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 2011 - January 2021 (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												
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	55.3	12,093,432	11,693,486	2.89	2.98	91.4	2.50
2020	67,842	2,396	1.70	48.03	5.41	66.2	11,429,837	11,067,675	2.39	2.47	84.4	2.21
Year 2019												
January	5,447	192	2.08	59.13	5.93	48.1	919,838	889,946	4.00	4.13	90.7	3.01
February	4,486	155	2.27	65.75	5.78	45.9	837,542	807,831	3.63	3.76	89.9	2.86
March	3,725	130	2.43	69.63	6.15	42.2	872,265	844,350	3.46	3.57	90.1	2.81
April	3,159	111	2.71	76.93	5.65	49.1	799,961	774,560	2.89	2.98	90.7	2.50
May	4,631	162	2.24	63.78	5.41	44.6	911,282	883,322	2.77	2.85	92.3	2.44
June	3,740	130	2.18	62.61	5.15	45.4	1,058,212	1,024,899	2.58	2.67	92.1	2.36
July	5,766	201	2.01	57.67	5.22	52.2	1,325,515	1,281,068	2.54	2.63	92.4	2.34
August	7,308	258	1.72	48.66	5.20	74.8	1,348,880	1,302,573	2.42	2.50	92.4	2.26
Sept	3,777	131	1.67	48.38	5.58	42.2	1,148,917	1,110,680	2.59	2.68	92.1	2.34
October	2,365	83	1.57	44.65	5.64	56.6	1,001,048	967,750	2.49	2.58	91.2	2.27
November	6,654	232	1.46	41.78	5.38	125.2	886,624	856,721	2.96	3.06	90.5	2.50
December	5,236	183	1.14	32.50	5.44	68.2	983,347	949,785	2.91	3.01	90.8	2.47
Year 2020												
January	8,421	295	1.53	43.68	5.34	87.9	932,454	900,881	2.63	2.72	84.3	2.32
February	6,913	244	1.47	41.75	4.99	102.2	887,425	858,020	2.40	2.48	85.5	2.22
March	4,942	174	1.36	38.61	5.46	57.7	875,682	846,389	2.14	2.22	84.2	2.09
April	5,150	180	1.38	39.50	5.35	71.4	773,366	745,767	2.10	2.18	84.7	2.04
May	5,495	195	1.61	45.35	5.30	67.1	835,738	810,278	2.16	2.23	85.1	2.07
June	5,648	199	1.46	41.45	6.01	52.5	1,015,594	986,100	2.01	2.07	84.6	1.99
July	7,307	259	1.54	43.52	5.88	67.3	1,276,515	1,239,036	2.03	2.09	82.6	2.01
August	6,903	244	1.87	52.98	5.65	65.8	1,218,703	1,181,832	2.39	2.46	83.9	2.22
Sept	3,876	140	1.93	53.45	5.21	61.4	1,003,338	971,940	2.42	2.50	84.1	2.23
October	3,746	134	2.08	58.22	4.96	65.2	933,769	904,909	2.49	2.57	84.0	2.26
November	4,711	167	2.25	63.61	4.99	59.6	784,121	759,546	2.99	3.09	85.5	2.48
December	4,729	167	2.33	66.30	5.44	47.2	893,134	862,977	3.17	3.28	85.5	2.61
Year 2021												
January	5,427	190	2.59	73.95	5.38	56.1	888,843	859,755	3.19	3.30	85.9	2.63
Year to Date												
2019	5,447	192	2.08	59.13	5.93	48.1	919,838	889,946	4.00	4.13	90.7	3.01
2020	8,421	295	1.53	43.68	5.34	87.9	932,454	900,881	2.63	2.72	84.3	2.32
2021	5,427	190	2.59	73.95	5.38	56.1	888,843	859,755	3.19	3.30	85.9	2.63
Rolling 12 Months Ending in January												
2020	59,268	2,073	1.84	52.62	5.45	59.2	12,106,048	11,704,420	2.78	2.87	90.8	2.44
2021	64,848	2,292	1.79	50.74	5.42	63.3	11,386,226	11,026,549	2.44	2.52	84.5	2.24

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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:
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 2019 and prior years are final. Values for 2020 and 2021 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 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2011 - January 2021

	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												
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	7,970,069	413,915	2.08	39.99	1.18	103.1	66,789	11,010	13.40	81.29	0.46	69.9
2020	6,214,306	324,944	1.97	37.60	1.15	99.4	53,204	8,798	9.71	58.71	0.47	61.3
Year 2019												
January	738,951	38,447	2.16	41.50	1.17	92.6	6,257	1,035	12.58	76.07	0.42	61.2
February	631,870	33,072	2.14	40.80	1.15	98.6	6,768	1,106	13.06	79.89	0.46	99.9
March	588,088	30,001	2.14	41.91	1.36	94.2	6,258	1,034	14.36	86.91	0.42	88.8
April	646,989	33,355	2.13	41.31	1.20	135.4	5,460	901	14.73	89.26	0.47	85.9
May	664,887	34,246	2.12	41.12	1.21	112.6	5,038	832	14.15	85.71	0.48	63.5
June	651,381	33,621	2.10	40.75	1.19	99.7	5,247	869	13.31	80.39	0.47	63.3
July	723,359	37,713	2.08	39.90	1.15	88.8	4,455	740	13.30	80.10	0.46	55.6
August	746,495	38,909	2.06	39.56	1.14	97.4	3,921	656	13.65	81.53	0.48	44.4
Sept	676,927	35,149	2.01	38.79	1.17	98.7	6,831	1,119	12.41	75.70	0.45	85.5
October	643,227	33,488	2.01	38.57	1.13	122.6	4,958	815	13.28	80.79	0.47	62.2
November	624,023	32,728	2.01	38.36	1.14	106.9	6,206	1,013	12.83	78.61	0.48	82.2
December	633,871	33,185	1.95	37.30	1.12	110.8	5,390	891	13.65	82.59	0.47	63.9
Year 2020												
January	603,308	31,746	1.97	37.52	1.11	115.6	4,457	744	13.67	81.86	0.48	50.0
February	511,376	27,027	1.94	36.79	1.12	113.6	5,670	937	12.86	77.84	0.46	78.7
March	490,415	25,766	1.97	37.43	1.14	118.3	5,169	851	10.37	62.98	0.47	83.9
April	431,348	22,478	1.97	37.89	1.18	131.5	2,574	432	8.46	50.40	0.47	46.6
May	400,318	21,157	1.93	36.48	1.08	106.2	4,012	671	6.68	39.96	0.48	66.3
June	464,257	24,345	1.96	37.30	1.13	87.4	4,152	685	6.62	40.13	0.47	55.4
July	548,140	28,694	1.95	37.34	1.15	74.7	5,564	914	8.25	50.24	0.47	68.0
August	599,176	31,069	2.00	38.48	1.16	79.5	3,727	617	10.06	60.79	0.47	46.7
Sept	550,242	28,659	2.00	38.40	1.13	96.3	3,382	557	9.74	59.10	0.46	49.2
October	531,951	27,537	1.96	37.92	1.23	109.8	5,526	907	9.14	55.65	0.46	67.9
November	524,254	27,241	1.96	37.75	1.22	109.9	3,837	633	9.25	56.05	0.48	55.8
December	559,521	29,225	1.96	37.50	1.17	91.9	5,133	849	9.87	59.70	0.48	69.5
Year 2021												
January	520,685	27,174	1.98	37.85	1.17	80.9	5,360	875	10.87	66.61	0.47	67.2
Year to Date												
2019	738,951	38,447	2.16	41.50	1.17	92.6	6,257	1,035	12.58	76.07	0.42	61.2
2020	603,308	31,746	1.97	37.52	1.11	115.6	4,457	744	13.67	81.86	0.48	50.0
2021	520,685	27,174	1.98	37.85	1.17	80.9	5,360	875	10.87	66.61	0.47	67.2
Rolling 12 Months Ending in January												
2020	7,834,426	407,214	2.06	39.65	1.17	105.1	64,990	10,720	13.50	81.83	0.46	69.0
2021	6,131,683	320,372	1.97	37.63	1.16	96.2	54,107	8,928	9.50	57.56	0.47	63.0

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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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Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2011 - January 2021 (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												
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	6,026,974	5,831,134	3.03	3.13	97.0	2.53
2020	65,684	2,317	1.70	48.07	5.39	101.8	5,615,883	5,441,477	2.64	2.72	88.1	2.31
Year 2019												
January	5,447	192	2.08	59.13	5.93	73.8	446,581	432,740	4.13	4.26	97.1	2.94
February	4,486	155	2.27	65.75	5.78	69.4	414,367	398,782	3.76	3.90	95.9	2.84
March	3,725	130	2.43	69.63	6.15	66.9	432,758	419,315	3.63	3.74	96.3	2.84
April	3,159	111	2.71	76.93	5.65	101.5	401,329	388,531	3.05	3.15	96.7	2.55
May	4,631	162	2.24	63.78	5.41	73.8	471,417	457,391	2.92	3.01	99.1	2.50
June	3,740	130	2.18	62.61	5.15	85.7	546,353	529,347	2.73	2.82	97.6	2.43
July	5,723	199	2.01	57.76	5.22	86.8	662,600	640,466	2.63	2.72	96.8	2.38
August	6,693	235	1.72	48.82	5.15	115.7	680,091	657,152	2.52	2.61	96.6	2.31
Sept	3,034	105	1.68	48.71	5.58	56.6	577,988	559,208	2.75	2.84	97.0	2.40
October	1,738	60	1.51	43.76	5.45	92.3	496,610	480,428	2.69	2.78	96.7	2.35
November	6,654	232	1.46	41.78	5.38	227.7	427,761	413,977	3.13	3.24	97.0	2.52
December	5,236	183	1.14	32.50	5.44	132.2	469,120	453,799	3.12	3.22	96.9	2.50
Year 2020												
January	8,421	295	1.53	43.68	5.34	144.1	447,079	432,583	2.87	2.96	87.8	2.40
February	6,913	244	1.47	41.75	4.99	164.5	436,842	422,809	2.66	2.74	90.0	2.33
March	4,942	174	1.36	38.61	5.46	82.4	439,954	425,351	2.35	2.44	89.2	2.19
April	5,150	180	1.38	39.50	5.35	98.8	388,884	374,588	2.34	2.43	89.5	2.16
May	5,495	195	1.61	45.35	5.30	104.2	425,971	413,175	2.43	2.51	89.8	2.20
June	5,648	199	1.46	41.45	6.01	77.0	504,697	490,859	2.26	2.32	87.5	2.13
July	6,801	240	1.53	43.25	5.87	92.0	623,218	605,846	2.20	2.27	84.3	2.11
August	6,229	219	1.89	53.72	5.63	92.4	595,171	577,442	2.57	2.65	86.2	2.30
Sept	3,305	119	1.97	54.59	5.08	102.2	481,914	467,015	2.72	2.80	86.5	2.36
October	3,340	118	2.12	59.66	4.87	143.2	459,139	444,977	2.75	2.83	87.6	2.36
November	4,711	167	2.25	63.61	4.99	105.0	379,892	368,290	3.39	3.50	90.9	2.59
December	4,729	167	2.33	66.30	5.44	73.1	433,122	418,543	3.42	3.54	91.3	2.63
Year 2021												
January	5,427	190	2.59	73.95	5.38	89.7	426,676	413,021	3.42	3.54	92.3	2.67
Year to Date												
2019	5,447	192	2.08	59.13	5.93	73.8	446,581	432,740	4.13	4.26	97.1	2.94
2020	8,421	295	1.53	43.68	5.34	144.1	447,079	432,583	2.87	2.96	87.8	2.40
2021	5,427	190	2.59	73.95	5.38	89.7	426,676	413,021	3.42	3.54	92.3	2.67
Rolling 12 Months Ending in January												
2020	57,240	2,000	1.85	52.82	5.43	98.6	6,027,472	5,830,978	2.93	3.03	96.2	2.49
2021	62,690	2,212	1.79	50.88	5.40	96.9	5,595,479	5,421,915	2.68	2.76	88.4	2.33

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

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

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

Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2011 - January 2021

	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												
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	2,629,405	139,141	1.81	34.16	1.74	101.6	20,188	3,425	14.40	84.89	0.50	73.0
2020	1,915,408	103,968	1.75	32.20	1.72	94.7	18,290	3,103	9.33	54.99	0.49	89.5
Year 2019												
January	258,502	13,732	1.91	35.91	1.75	94.9	2,550	426	12.15	72.73	0.50	53.5
February	208,595	11,136	1.83	34.30	1.66	96.1	2,052	344	13.83	82.61	0.46	98.6
March	225,693	11,804	1.88	35.97	1.87	96.4	1,312	223	14.97	88.25	0.54	79.1
April	215,930	11,232	1.84	35.44	1.89	127.7	1,400	238	15.72	92.48	0.51	72.3
May	219,210	11,432	1.83	35.06	1.91	118.6	1,628	278	15.67	91.68	0.49	76.9
June	210,718	11,178	1.76	33.24	1.84	105.7	1,505	255	15.10	89.08	0.48	74.1
July	210,437	11,271	1.79	33.38	1.69	83.9	1,409	240	15.49	90.87	0.48	53.7
August	228,948	12,067	1.78	33.72	1.69	96.5	1,184	203	16.40	95.62	0.49	57.7
Sept	207,547	11,127	1.75	32.61	1.59	95.7	1,361	232	13.79	81.01	0.56	72.0
October	219,896	11,624	1.77	33.58	1.69	114.0	1,713	292	15.05	88.23	0.52	80.0
November	214,440	11,469	1.77	33.22	1.61	101.1	1,652	281	13.67	80.52	0.49	78.7
December	209,490	11,070	1.75	33.07	1.66	104.6	2,423	414	13.65	79.88	0.50	107.5
Year 2020												
January	201,983	10,808	1.80	33.69	1.63	115.5	727	125	15.12	88.13	0.56	50.6
February	169,439	9,130	1.77	32.84	1.74	110.4	722	123	14.71	86.54	0.57	55.8
March	155,769	8,326	1.78	33.38	1.92	115.8	1,351	229	10.89	64.15	0.52	71.4
April	121,895	7,075	1.72	29.67	1.47	108.4	1,542	264	8.35	48.79	0.53	111.6
May	126,481	7,262	1.76	30.61	1.37	104.5	2,325	398	6.16	36.02	0.50	165.7
June	147,445	8,001	1.73	31.85	1.80	90.1	2,513	422	8.21	48.86	0.48	139.2
July	153,536	8,300	1.73	31.98	1.84	71.9	1,364	234	9.42	54.82	0.48	63.9
August	167,020	9,060	1.72	31.84	1.74	78.6	1,136	194	9.65	56.59	0.50	59.5
Sept	161,112	8,684	1.73	32.09	1.81	96.1	1,287	221	9.42	54.91	0.52	88.7
October	165,809	8,815	1.72	32.39	1.85	98.8	1,275	218	8.68	50.87	0.52	76.7
November	171,606	9,135	1.73	32.49	1.73	94.3	1,639	274	9.57	57.25	0.39	93.8
December	173,313	9,372	1.75	32.39	1.65	79.1	2,408	402	9.85	59.01	0.48	105.1
Year 2021												
January	182,276	9,721	1.67	31.43	1.81	81.7	1,396	238	11.22	65.95	0.60	76.7
Year to Date												
2019	258,502	13,732	1.91	35.91	1.75	94.9	2,550	426	12.15	72.73	0.50	53.5
2020	201,983	10,808	1.80	33.69	1.63	115.5	727	125	15.12	88.13	0.56	50.6
2021	182,276	9,721	1.67	31.43	1.81	81.7	1,396	238	11.22	65.95	0.60	76.7
Rolling 12 Months Ending in January												
2020	2,572,886	136,218	1.80	33.95	1.73	103.3	18,365	3,124	14.74	86.66	0.50	75.5
2021	1,895,701	102,881	1.73	31.97	1.74	91.6	18,959	3,216	9.24	54.49	0.50	91.1

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

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

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

Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2011 - January 2021 (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												
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	94.6	2.84
2019	0	0	--	--	--	0.0	5,242,547	5,062,877	2.70	2.80	96.0	2.40
2020	0	0	--	--	--	0.0	5,019,367	4,853,866	2.08	2.16	89.3	2.00
Year 2019												
January	0	0	--	--	--	0.0	398,896	385,014	3.88	4.02	95.6	3.05
February	0	0	--	--	--	0.0	357,555	345,530	3.49	3.61	95.0	2.85
March	0	0	--	--	--	0.0	371,920	359,394	3.30	3.41	95.0	2.73
April	0	0	--	--	--	0.0	333,598	322,802	2.65	2.74	95.5	2.33
May	0	0	--	--	--	0.0	372,853	360,800	2.53	2.61	96.4	2.28
June	0	0	--	--	--	0.0	446,512	432,051	2.35	2.43	96.4	2.17
July	0	0	--	--	--	0.0	592,358	572,083	2.43	2.51	96.4	2.26
August	0	0	--	--	--	0.0	597,443	576,291	2.27	2.35	96.5	2.13
Sept	0	0	--	--	--	0.0	504,061	486,741	2.38	2.47	96.5	2.19
October	0	0	--	--	--	0.0	438,101	422,965	2.22	2.30	96.1	2.09
November	0	0	--	--	--	0.0	388,489	374,471	2.77	2.88	95.5	2.41
December	0	0	--	--	--	0.0	440,761	424,737	2.69	2.79	95.8	2.39
Year 2020												
January	0	0	--	--	--	0.0	412,765	397,879	2.36	2.45	90.7	2.17
February	0	0	--	--	--	0.0	384,666	371,234	2.09	2.17	90.8	1.99
March	0	0	--	--	--	0.0	369,172	356,338	1.86	1.93	88.6	1.86
April	0	0	--	--	--	0.0	321,897	310,434	1.79	1.86	89.9	1.79
May	0	0	--	--	--	0.0	344,883	334,015	1.80	1.86	89.3	1.81
June	0	0	--	--	--	0.0	445,814	431,957	1.70	1.75	89.1	1.74
July	0	0	--	--	--	0.0	586,080	567,732	1.83	1.89	86.9	1.82
August	0	0	--	--	--	0.0	556,654	539,344	2.16	2.23	88.4	2.05
Sept	0	0	--	--	--	0.0	459,037	444,246	2.02	2.09	89.3	1.95
October	0	0	--	--	--	0.0	411,773	398,752	2.15	2.22	89.4	2.03
November	0	0	--	--	--	0.0	338,966	327,825	2.45	2.54	90.5	2.20
December	0	0	--	--	--	0.0	387,661	374,109	2.87	2.98	90.3	2.51
Year 2021												
January	0	0	--	--	--	0.0	390,436	377,108	2.96	3.06	90.0	2.52
Year to Date												
2019	0	0	--	--	--	0.0	398,896	385,014	3.88	4.02	95.6	3.05
2020	0	0	--	--	--	0.0	412,765	397,879	2.36	2.45	90.7	2.17
2021	0	0	--	--	--	0.0	390,436	377,108	2.96	3.06	90.0	2.52
Rolling 12 Months Ending in January												
2020	0	0	--	--	--	0.0	5,256,415	5,075,743	2.58	2.67	95.6	2.32
2021	0	0	--	--	--	0.0	4,997,038	4,833,095	2.13	2.20	89.2	2.02

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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 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 2011 - January 2021

	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												
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
2020	132	6	2.96	67.66	2.93	1.3	0	0	--	--	--	0.0
Year 2019												
January	27	1	2.90	65.89	3.00	2.0	0	0	--	--	--	0.0
February	37	2	2.90	65.51	2.95	3.0	0	0	--	--	--	0.0
March	48	2	2.90	65.86	2.94	3.6	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	0.2	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	1.9	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
March	0	0	--	--	--	0.0	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	0	0	--	--	--	0.0	0	0	--	--	--	0.0
November	24	1	2.98	68.21	2.89	3.0	0	0	--	--	--	0.0
December	24	1	2.96	67.61	2.87	2.1	0	0	--	--	--	0.0
Year 2021												
January	28	1	2.96	68.67	2.86	2.5	0	0	--	--	--	0.0
Year to Date												
2019	27	1	2.90	65.89	3.00	2.0	0	0	--	--	--	0.0
2020	26	1	2.96	67.40	2.94	2.8	0	0	--	--	--	0.0
2021	28	1	2.96	68.67	2.86	2.5	0	0	--	--	--	0.0
Rolling 12 Months Ending in January												
2020	192	8	2.93	66.77	3.00	1.7	0	0	--	--	--	0.0
2021	134	6	2.96	67.92	2.91	1.2	0	0	--	--	--	0.0

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

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Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commerical Sector, 2011 - January 2021 (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												
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	6.7	3.26
2020	0	0	--	--	--	0.0	8,532	8,188	3.07	3.20	6.3	3.07
Year 2019												
January	0	0	--	--	--	0.0	778	751	3.40	3.52	6.3	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	7.3	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	7.9	3.26
June	0	0	--	--	--	0.0	807	776	3.23	3.36	7.2	3.22
July	0	0	--	--	--	0.0	721	701	3.17	3.26	5.4	3.17
August	0	0	--	--	--	0.0	838	808	3.13	3.25	6.5	3.13
Sept	0	0	--	--	--	0.0	747	717	3.15	3.28	6.4	3.15
October	0	0	--	--	--	0.0	766	734	3.24	3.38	7.0	3.23
November	0	0	--	--	--	0.0	743	713	3.30	3.43	6.6	3.28
December	0	0	--	--	--	0.0	832	801	3.26	3.39	6.6	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
March	0	0	--	--	--	0.0	751	722	3.10	3.22	6.7	3.10
April	0	0	--	--	--	0.0	661	638	3.09	3.20	6.7	3.09
May	0	0	--	--	--	0.0	657	631	3.09	3.22	6.5	3.09
June	0	0	--	--	--	0.0	626	599	3.09	3.23	5.8	3.09
July	0	0	--	--	--	0.0	624	599	3.11	3.24	5.1	3.11
August	0	0	--	--	--	0.0	775	739	3.03	3.17	6.3	3.03
Sept	0	0	--	--	--	0.0	780	748	2.98	3.11	7.0	2.98
October	0	0	--	--	--	0.0	769	738	3.03	3.15	7.1	3.03
November	0	0	--	--	--	0.0	698	671	3.09	3.22	6.4	3.09
December	0	0	--	--	--	0.0	704	677	3.10	3.23	5.9	3.10
Year 2021												
January	0	0	--	--	--	0.0	759	729	3.12	3.24	6.2	3.11
Year to Date												
2019	0	0	--	--	--	0.0	778	751	3.40	3.52	6.3	3.38
2020	0	0	--	--	--	0.0	795	763	3.09	3.22	6.3	3.09
2021	0	0	--	--	--	0.0	759	729	3.12	3.24	6.2	3.11
Rolling 12 Months Ending in January												
2020	0	0	--	--	--	0.0	9,446	9,098	3.24	3.36	6.7	3.23
2021	0	0	--	--	--	0.0	8,496	8,154	3.08	3.21	6.3	3.08

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

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- 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, 2011 - January 2021

	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												
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	146,324	7,088	2.55	52.69	1.19	65.1	1,684	275	13.19	80.82	1.47	14.5
2020	129,861	6,295	2.49	51.32	1.20	63.7	1,700	277	10.52	64.54	1.20	19.6
Year 2019												
January	12,678	629	2.49	50.14	1.13	56.2	154	25	12.98	80.23	1.24	7.5
February	12,842	617	2.61	54.43	1.16	61.4	199	33	13.77	82.99	1.45	18.7
March	13,424	629	2.68	57.20	1.49	67.5	126	21	13.43	82.27	1.63	14.2
April	11,765	561	2.64	55.30	1.25	62.8	223	36	12.89	79.74	1.54	24.0
May	12,720	623	2.51	51.21	0.97	71.3	92	15	14.12	86.68	1.48	12.6
June	11,705	567	2.49	51.38	1.22	67.2	131	21	13.04	79.96	1.55	18.3
July	11,385	551	2.45	50.57	1.32	65.1	80	13	11.99	74.33	1.41	12.7
August	10,876	530	2.39	49.14	1.23	62.0	112	18	12.56	77.49	1.66	15.4
Sept	11,131	539	2.48	51.28	1.24	66.3	154	25	13.15	80.17	1.58	20.8
October	11,889	586	2.59	52.47	1.21	68.4	136	22	13.01	79.34	1.42	17.2
November	13,255	645	2.59	53.19	1.05	71.3	137	22	13.67	83.44	1.46	9.7
December	12,654	612	2.67	55.16	1.07	64.4	141	23	13.33	81.47	1.25	15.8
Year 2020												
January	12,628	614	2.51	51.68	1.13	62.4	162	27	13.38	81.13	1.71	20.9
February	11,241	555	2.41	48.70	1.12	59.1	188	31	12.36	76.04	0.93	24.6
March	13,022	621	2.61	54.85	1.27	70.0	192	31	10.77	66.35	1.35	28.5
April	9,654	471	2.49	51.04	1.21	60.9	115	19	10.75	65.79	1.36	19.2
May	9,763	480	2.43	49.55	1.15	64.0	129	21	7.84	48.89	0.84	18.4
June	9,888	491	2.39	48.11	1.21	70.2	95	16	8.89	53.81	1.06	13.6
July	10,067	488	2.44	50.24	1.19	64.2	125	20	9.45	57.95	1.22	17.8
August	9,539	460	2.43	50.36	1.21	62.5	138	22	9.83	61.55	0.75	19.9
Sept	9,611	477	2.37	47.69	1.10	61.5	166	27	9.38	57.45	1.59	25.3
October	11,808	562	2.57	53.95	1.17	66.1	141	23	10.61	64.14	1.19	18.7
November	10,840	519	2.51	52.40	1.35	62.9	83	14	10.02	61.29	1.30	10.5
December	11,799	558	2.62	55.36	1.23	61.3	166	27	10.92	66.90	1.26	19.8
Year 2021												
January	11,054	529	2.38	49.69	1.09	59.6	226	37	11.25	69.01	1.27	30.3
Year to Date												
2019	12,678	629	2.49	50.14	1.13	56.2	154	25	12.98	80.23	1.24	7.5
2020	12,628	614	2.51	51.68	1.13	62.4	162	27	13.38	81.13	1.71	20.9
2021	11,054	529	2.38	49.69	1.09	59.6	226	37	11.25	69.01	1.27	30.3
Rolling 12 Months Ending in January												
2020	146,275	7,073	2.55	52.83	1.19	65.8	1,693	277	13.23	80.90	1.52	16.4
2021	128,287	6,210	2.48	51.14	1.19	63.4	1,764	287	10.35	63.57	1.19	20.4

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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 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2011 - January 2021 (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												
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	8.1	814,483	790,388	2.82	2.91	57.5	2.80
2020	2,157	80	1.73	46.84	5.89	10.0	786,055	764,144	2.28	2.35	55.9	2.32
Year 2019												
January	0	0	--	--	--	0.0	73,583	71,442	3.76	3.87	59.0	3.59
February	0	0	--	--	--	0.0	64,847	62,775	3.44	3.56	58.1	3.33
March	0	0	--	--	--	0.0	66,748	64,830	3.13	3.22	57.6	3.07
April	0	0	--	--	--	0.0	64,259	62,480	2.85	2.93	59.7	2.85
May	0	0	--	--	--	0.0	66,202	64,348	2.75	2.83	57.8	2.73
June	0	0	--	--	--	0.0	64,540	62,725	2.63	2.70	56.5	2.62
July	43	2	1.71	46.96	5.81	1.7	69,836	67,819	2.49	2.56	57.3	2.49
August	615	23	1.75	46.99	5.75	30.2	70,509	68,322	2.37	2.45	57.1	2.39
Sept	743	26	1.63	47.00	5.56	30.6	66,121	64,014	2.56	2.65	56.0	2.57
October	627	23	1.72	47.00	6.17	30.1	65,572	63,624	2.46	2.54	55.7	2.49
November	0	0	--	--	--	0.0	69,632	67,560	2.77	2.86	57.8	2.76
December	0	0	--	--	--	0.0	72,635	70,448	2.62	2.70	57.8	2.64
Year 2020												
January	0	0	--	--	--	0.0	71,816	69,655	2.36	2.44	55.8	2.41
February	0	0	--	--	--	0.0	65,225	63,315	2.12	2.19	55.7	2.19
March	0	0	--	--	--	0.0	65,805	63,979	2.00	2.05	55.5	2.12
April	0	0	--	--	--	0.0	61,924	60,107	1.87	1.92	56.3	1.96
May	0	0	--	--	--	0.0	64,228	62,457	1.97	2.02	57.8	2.04
June	0	0	--	--	--	0.0	64,457	62,685	1.83	1.88	56.9	1.91
July	506	19	1.72	47.01	6.06	24.4	66,592	64,859	1.84	1.89	55.8	1.93
August	674	25	1.72	46.47	5.81	30.3	66,103	64,308	2.30	2.36	55.2	2.32
Sept	571	21	1.74	47.01	5.96	29.3	61,606	59,931	2.53	2.60	55.8	2.51
October	407	15	1.75	47.00	5.69	19.8	62,088	60,441	2.51	2.58	53.8	2.53
November	0	0	--	--	--	0.0	64,564	62,760	3.02	3.11	56.6	2.95
December	0	0	--	--	--	0.0	71,647	69,647	2.97	3.05	55.8	2.93
Year 2021												
January	0	0	--	--	--	0.0	70,973	68,897	2.83	2.92	56.1	2.79
Year to Date												
2019	0	0	--	--	--	0.0	73,583	71,442	3.76	3.87	59.0	3.59
2020	0	0	--	--	--	0.0	71,816	69,655	2.36	2.44	55.8	2.41
2021	0	0	--	--	--	0.0	70,973	68,897	2.83	2.92	56.1	2.79
Rolling 12 Months Ending in January												
2020	2,028	73	1.70	47.00	5.82	8.1	812,715	788,601	2.70	2.78	57.2	2.69
2021	2,157	80	1.73	46.84	5.89	10.1	785,213	763,386	2.32	2.39	55.9	2.36

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Table 4.6.A. Receipts of Coal Delivered for Electricity Generation by State, January 2021 and 2020 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
New England	6	17	-64.0%	0	8	6	9	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	6	9	-29.0%	0	0	6	9	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	8	-100.0%	0	8	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	1,338	1,444	-7.3%	0	0	1,338	1,444	0	0	0	0
New Jersey	34	51	-33.0%	0	0	34	51	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	1,304	1,393	-6.4%	0	0	1,304	1,393	0	0	0	0
East North Central	7,179	8,532	-16.0%	3,792	4,792	3,253	3,578	0	0	135	162
Illinois	1,983	2,446	-19.0%	136	361	1,712	1,923	0	0	135	162
Indiana	1,365	2,241	-39.0%	1,176	2,016	189	225	0	0	0	0
Michigan	1,275	1,302	-2.0%	1,275	1,302	0	0	0	0	0	0
Ohio	1,476	1,654	-11.0%	125	223	1,351	1,430	0	0	0	0
Wisconsin	1,079	890	21.0%	1,079	890	0	0	0	0	0	0
West North Central	7,914	9,734	-19.0%	7,693	9,472	0	0	1	1	219	261
Iowa	787	1,445	-46.0%	634	1,250	0	0	0	0	153	195
Kansas	1,008	1,166	-14.0%	1,008	1,166	0	0	0	0	0	0
Minnesota	703	760	-7.5%	703	760	0	0	0	0	0	0
Missouri	2,462	3,038	-19.0%	2,461	3,037	0	0	1	1	0	0
Nebraska	989	1,102	-10.0%	923	1,036	0	0	0	0	66	66
North Dakota	1,833	2,110	-13.0%	1,833	2,110	0	0	0	0	0	0
South Dakota	131	113	16.0%	131	113	0	0	0	0	0	0
South Atlantic	5,150	4,905	5.0%	4,431	4,390	666	472	0	0	53	43
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	680	577	18.0%	680	577	0	0	0	0	0	0
Georgia	933	786	19.0%	920	786	0	0	0	0	13	0
Maryland	160	221	-28.0%	0	0	160	221	0	0	0	0
North Carolina	806	1,049	-23.0%	780	1,025	2	2	0	0	24	21
South Carolina	574	531	8.0%	556	511	11	18	0	0	7	3
Virginia	102	131	-22.0%	93	113	0	0	0	0	9	19
West Virginia	1,895	1,610	18.0%	1,402	1,379	493	231	0	0	0	0
East South Central	4,071	4,388	-7.2%	3,720	4,109	298	213	0	0	53	66
Alabama	1,049	1,057	-0.7%	1,049	1,057	0	0	0	0	0	0
Kentucky	2,174	2,324	-6.4%	2,174	2,324	0	0	0	0	0	0
Mississippi	442	260	70.0%	143	47	298	213	0	0	0	0
Tennessee	406	747	-46.0%	353	681	0	0	0	0	53	66
West South Central	6,478	7,112	-8.9%	3,224	3,303	3,251	3,791	0	0	3	18
Arkansas	988	1,109	-11.0%	870	860	114	246	0	0	3	3
Louisiana	315	499	-37.0%	167	352	148	147	0	0	0	0
Oklahoma	413	129	221.0%	413	113	0	0	0	0	0	15
Texas	4,762	5,375	-11.0%	1,773	1,978	2,989	3,397	0	0	0	0
Mountain	5,000	6,197	-19.0%	4,277	5,466	723	730	0	0	0	0
Arizona	561	938	-40.0%	561	938	0	0	0	0	0	0
Colorado	808	1,375	-41.0%	808	1,375	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	606	616	-1.6%	25	3	581	612	0	0	0	0
Nevada	61	86	-30.0%	0	12	61	74	0	0	0	0
New Mexico	709	677	4.8%	709	677	0	0	0	0	0	0
Utah	741	838	-12.0%	707	838	34	0	0	0	0	0
Wyoming	1,515	1,668	-9.2%	1,468	1,624	47	44	0	0	0	0
Pacific Contiguous	251	763	-67.0%	0	189	187	511	0	0	65	64
California	65	64	1.9%	0	0	0	0	0	0	65	64
Oregon	0	189	-100.0%	0	189	0	0	0	0	0	0
Washington	187	511	-63.0%	0	0	187	511	0	0	0	0
Pacific Noncontiguous	38	78	-52.0%	38	17	0	61	0	0	0	0
Alaska	38	17	117.0%	38	17	0	0	0	0	0	0
Hawaii	0	61	-100.0%	0	0	0	61	0	0	0	0
U.S. Total	37,425	43,170	-13.0%	27,174	31,746	9,721	10,808	1	1	529	614

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

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

Table 4.6.B. Receipts of Coal Delivered for Electricity Generation by State, (Year-to-Date) January 2021 and 2020 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD
New England	6	17	-64.0%	0	8	6	9	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	6	9	-29.0%	0	0	6	9	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	8	-100.0%	0	8	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	1,338	1,444	-7.3%	0	0	1,338	1,444	0	0	0	0
New Jersey	34	51	-33.0%	0	0	34	51	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	1,304	1,393	-6.4%	0	0	1,304	1,393	0	0	0	0
East North Central	7,179	8,532	-16.0%	3,792	4,792	3,253	3,578	0	0	135	162
Illinois	1,983	2,446	-19.0%	136	361	1,712	1,923	0	0	135	162
Indiana	1,365	2,241	-39.0%	1,176	2,016	189	225	0	0	0	0
Michigan	1,275	1,302	-2.0%	1,275	1,302	0	0	0	0	0	0
Ohio	1,476	1,654	-11.0%	125	223	1,351	1,430	0	0	0	0
Wisconsin	1,079	890	21.0%	1,079	890	0	0	0	0	0	0
West North Central	7,914	9,734	-19.0%	7,693	9,472	0	0	1	1	219	261
Iowa	787	1,445	-46.0%	634	1,250	0	0	0	0	153	195
Kansas	1,008	1,166	-14.0%	1,008	1,166	0	0	0	0	0	0
Minnesota	703	760	-7.5%	703	760	0	0	0	0	0	0
Missouri	2,462	3,038	-19.0%	2,461	3,037	0	0	1	1	0	0
Nebraska	989	1,102	-10.0%	923	1,036	0	0	0	0	66	66
North Dakota	1,833	2,110	-13.0%	1,833	2,110	0	0	0	0	0	0
South Dakota	131	113	16.0%	131	113	0	0	0	0	0	0
South Atlantic	5,150	4,905	5.0%	4,431	4,390	666	472	0	0	53	43
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	680	577	18.0%	680	577	0	0	0	0	0	0
Georgia	933	786	19.0%	920	786	0	0	0	0	13	0
Maryland	160	221	-28.0%	0	0	160	221	0	0	0	0
North Carolina	806	1,049	-23.0%	780	1,025	2	2	0	0	24	21
South Carolina	574	531	8.0%	556	511	11	18	0	0	7	3
Virginia	102	131	-22.0%	93	113	0	0	0	0	9	19
West Virginia	1,895	1,610	18.0%	1,402	1,379	493	231	0	0	0	0
East South Central	4,071	4,388	-7.2%	3,720	4,109	298	213	0	0	53	66
Alabama	1,049	1,057	-0.7%	1,049	1,057	0	0	0	0	0	0
Kentucky	2,174	2,324	-6.4%	2,174	2,324	0	0	0	0	0	0
Mississippi	442	260	70.0%	143	47	298	213	0	0	0	0
Tennessee	406	747	-46.0%	353	681	0	0	0	0	53	66
West South Central	6,478	7,112	-8.9%	3,224	3,303	3,251	3,791	0	0	3	18
Arkansas	988	1,109	-11.0%	870	860	114	246	0	0	3	3
Louisiana	315	499	-37.0%	167	352	148	147	0	0	0	0
Oklahoma	413	129	221.0%	413	113	0	0	0	0	0	15
Texas	4,762	5,375	-11.0%	1,773	1,978	2,989	3,397	0	0	0	0
Mountain	5,000	6,197	-19.0%	4,277	5,466	723	730	0	0	0	0
Arizona	561	938	-40.0%	561	938	0	0	0	0	0	0
Colorado	808	1,375	-41.0%	808	1,375	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	606	616	-1.6%	25	3	581	612	0	0	0	0
Nevada	61	86	-30.0%	0	12	61	74	0	0	0	0
New Mexico	709	677	4.8%	709	677	0	0	0	0	0	0
Utah	741	838	-12.0%	707	838	34	0	0	0	0	0
Wyoming	1,515	1,668	-9.2%	1,468	1,624	47	44	0	0	0	0
Pacific Contiguous	251	763	-67.0%	0	189	187	511	0	0	65	64
California	65	64	1.9%	0	0	0	0	0	0	65	64
Oregon	0	189	-100.0%	0	189	0	0	0	0	0	0
Washington	187	511	-63.0%	0	0	187	511	0	0	0	0
Pacific Noncontiguous	38	78	-52.0%	38	17	0	61	0	0	0	0
Alaska	38	17	117.0%	38	17	0	0	0	0	0	0
Hawaii	0	61	-100.0%	0	0	0	61	0	0	0	0
U.S. Total	37,425	43,170	-13.0%	27,174	31,746	9,721	10,808	1	1	529	614

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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 4.7.A. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, January 2021 and 2020
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
New England	52	9	465.0%	1	1	51	8	0	0	0	0
Connecticut	2	1	84.0%	0	0	2	1	0	0	0	0
Maine	9	5	79.0%	0	0	9	5	0	0	0	0
Massachusetts	8	2	247.0%	0	0	8	2	0	0	0	0
New Hampshire	33	1	NM	1	1	32	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	143	18	716.0%	108	0	29	11	0	0	6	6
New Jersey	2	0	806.0%	0	0	2	0	0	0	0	0
New York	123	3	NM	108	0	16	3	0	0	0	0
Pennsylvania	18	14	26.0%	0	0	12	8	0	0	6	6
East North Central	50	89	-44.0%	38	52	10	35	0	0	1	2
Illinois	5	7	-19.0%	0	1	5	6	0	0	0	0
Indiana	23	29	-19.0%	23	29	0	0	0	0	0	0
Michigan	14	17	-18.0%	13	17	0	0	0	0	1	0
Ohio	7	33	-79.0%	1	2	5	29	0	0	1	2
Wisconsin	1	4	-72.0%	1	4	0	0	0	0	0	0
West North Central	52	48	7.6%	52	48	0	0	0	0	0	0
Iowa	12	7	63.0%	12	7	0	0	0	0	0	0
Kansas	10	6	66.0%	10	6	0	0	0	0	0	0
Minnesota	4	2	99.0%	4	2	0	0	0	0	0	0
Missouri	13	5	147.0%	13	5	0	0	0	0	0	0
Nebraska	1	0	--	1	0	0	0	0	0	0	0
North Dakota	12	28	-55.0%	12	28	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	122	131	-7.1%	59	111	37	1	0	0	26	19
Delaware	1	0	--	0	0	1	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	7	9	-20.0%	3	5	0	0	0	0	4	3
Georgia	12	33	-62.0%	5	25	0	0	0	0	8	8
Maryland	36	1	NM	0	0	36	1	0	0	0	0
North Carolina	10	43	-76.0%	6	36	0	0	0	0	4	7
South Carolina	18	9	112.0%	9	9	0	0	0	0	9	0
Virginia	20	6	204.0%	19	6	0	0	0	0	0	0
West Virginia	17	31	-43.0%	17	31	0	0	0	0	0	0
East South Central	25	34	-27.0%	15	34	6	0	0	0	4	0
Alabama	6	0	--	0	0	6	0	0	0	0	0
Kentucky	12	18	-35.0%	12	18	0	0	0	0	0	0
Mississippi	1	1	-34.0%	1	1	0	0	0	0	0	0
Tennessee	6	15	-59.0%	2	14	0	0	0	0	4	0
West South Central	24	13	83.0%	20	13	5	0	0	0	0	0
Arkansas	11	2	423.0%	10	2	1	0	0	0	0	0
Louisiana	0	4	-100.0%	0	4	0	0	0	0	0	0
Oklahoma	2	0	--	2	0	0	0	0	0	0	0
Texas	11	8	50.0%	8	7	3	0	0	0	0	0
Mountain	28	46	-38.0%	24	43	4	3	0	0	0	0
Arizona	13	5	162.0%	13	5	0	0	0	0	0	0
Colorado	1	1	-12.0%	1	1	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	3	3	11.0%	0	0	3	3	0	0	0	0
Nevada	1	2	-74.0%	0	2	1	0	0	0	0	0
New Mexico	2	6	-74.0%	2	6	0	0	0	0	0	0
Utah	3	18	-81.0%	3	18	1	0	0	0	0	0
Wyoming	6	12	-49.0%	6	12	0	0	0	0	0	0
Pacific Contiguous	0	1	-100.0%	0	0	0	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	0	1	-100.0%	0	0	0	1	0	0	0	0
Pacific Noncontiguous	653	506	29.0%	557	442	95	64	0	0	0	0
Alaska	1	4	-64.0%	1	4	0	0	0	0	0	0
Hawaii	651	502	30.0%	556	438	95	64	0	0	0	0
U.S. Total	1,149	896	28.0%	875	744	238	125	0	0	37	27

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

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

Table 4.7.B. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, (Year-to-Date) January 2021 and 2020 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD
New England	52	9	465.0%	1	1	51	8	0	0	0	0
Connecticut	2	1	84.0%	0	0	2	1	0	0	0	0
Maine	9	5	79.0%	0	0	9	5	0	0	0	0
Massachusetts	8	2	247.0%	0	0	8	2	0	0	0	0
New Hampshire	33	1	NM	1	1	32	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	143	18	716.0%	108	0	29	11	0	0	6	6
New Jersey	2	0	806.0%	0	0	2	0	0	0	0	0
New York	123	3	NM	108	0	16	3	0	0	0	0
Pennsylvania	18	14	26.0%	0	0	12	8	0	0	6	6
East North Central	50	89	-44.0%	38	52	10	35	0	0	1	2
Illinois	5	7	-19.0%	0	1	5	6	0	0	0	0
Indiana	23	29	-19.0%	23	29	0	0	0	0	0	0
Michigan	14	17	-18.0%	13	17	0	0	0	0	1	0
Ohio	7	33	-79.0%	1	2	5	29	0	0	1	2
Wisconsin	1	4	-72.0%	1	4	0	0	0	0	0	0
West North Central	52	48	7.6%	52	48	0	0	0	0	0	0
Iowa	12	7	63.0%	12	7	0	0	0	0	0	0
Kansas	10	6	66.0%	10	6	0	0	0	0	0	0
Minnesota	4	2	99.0%	4	2	0	0	0	0	0	0
Missouri	13	5	147.0%	13	5	0	0	0	0	0	0
Nebraska	1	0	--	1	0	0	0	0	0	0	0
North Dakota	12	28	-55.0%	12	28	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	122	131	-7.1%	59	111	37	1	0	0	26	19
Delaware	1	0	--	0	0	1	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	7	9	-20.0%	3	5	0	0	0	0	4	3
Georgia	12	33	-62.0%	5	25	0	0	0	0	8	8
Maryland	36	1	NM	0	0	36	1	0	0	0	0
North Carolina	10	43	-76.0%	6	36	0	0	0	0	4	7
South Carolina	18	9	112.0%	9	9	0	0	0	0	9	0
Virginia	20	6	204.0%	19	6	0	0	0	0	0	0
West Virginia	17	31	-43.0%	17	31	0	0	0	0	0	0
East South Central	25	34	-27.0%	15	34	6	0	0	0	4	0
Alabama	6	0	--	0	0	6	0	0	0	0	0
Kentucky	12	18	-35.0%	12	18	0	0	0	0	0	0
Mississippi	1	1	-34.0%	1	1	0	0	0	0	0	0
Tennessee	6	15	-59.0%	2	14	0	0	0	0	4	0
West South Central	24	13	83.0%	20	13	5	0	0	0	0	0
Arkansas	11	2	423.0%	10	2	1	0	0	0	0	0
Louisiana	0	4	-100.0%	0	4	0	0	0	0	0	0
Oklahoma	2	0	--	2	0	0	0	0	0	0	0
Texas	11	8	50.0%	8	7	3	0	0	0	0	0
Mountain	28	46	-38.0%	24	43	4	3	0	0	0	0
Arizona	13	5	162.0%	13	5	0	0	0	0	0	0
Colorado	1	1	-12.0%	1	1	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	3	3	11.0%	0	0	3	3	0	0	0	0
Nevada	1	2	-74.0%	0	2	1	0	0	0	0	0
New Mexico	2	6	-74.0%	2	6	0	0	0	0	0	0
Utah	3	18	-81.0%	3	18	1	0	0	0	0	0
Wyoming	6	12	-49.0%	6	12	0	0	0	0	0	0
Pacific Contiguous	0	1	-100.0%	0	0	0	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	0	1	-100.0%	0	0	0	1	0	0	0	0
Pacific Noncontiguous	653	506	29.0%	557	442	95	64	0	0	0	0
Alaska	1	4	-64.0%	1	4	0	0	0	0	0	0
Hawaii	651	502	30.0%	556	438	95	64	0	0	0	0
U.S. Total	1,149	896	28.0%	875	744	238	125	0	0	37	27

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

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

Table 4.8.A. Receipts of Petroleum Coke Delivered for Electricity Generation by State, January 2021 and 2020 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
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	17	32	-46.0%	17	32	0	0	0	0	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	15	27	-44.0%	15	27	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	2	5	-58.0%	2	5	0	0	0	0	0	0
West North Central	0	0	--	0	0	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	37	113	-67.0%	37	113	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	37	113	-67.0%	37	113	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	150	-9.2%	136	150	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	136	150	-9.2%	136	150	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	190	295	-35.0%	190	295	0	0	0	0	0	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:
See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Petroleum Coke includes petroleum coke-derived synthesis gas.
See the Technical Notes for fuel conversion factors.

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

Table 4.8.B. Receipts of Petroleum Coke Delivered for Electricity Generation by State, (Year-to-Date) January 2021 and 2020 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 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	17	32	-46.0%	17	32	0	0	0	0	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	15	27	-44.0%	15	27	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	2	5	-58.0%	2	5	0	0	0	0	0	0
West North Central	0	0	--	0	0	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	37	113	-67.0%	37	113	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	37	113	-67.0%	37	113	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	150	-9.2%	136	150	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	136	150	-9.2%	136	150	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	190	295	-35.0%	190	295	0	0	0	0	0	0

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

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

Table 4.9.A. Receipts of Natural Gas Delivered for Electricity Generation by State, January 2021 and 2020
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
New England	29,715	28,610	3.9%	17	1	29,698	28,609	0	0	0	0
Connecticut	12,465	13,155	-5.2%	0	0	12,465	13,155	0	0	0	0
Maine	955	452	111.0%	0	0	955	452	0	0	0	0
Massachusetts	11,819	10,135	17.0%	7	0	11,812	10,135	0	0	0	0
New Hampshire	2,047	2,009	1.9%	10	1	2,037	2,008	0	0	0	0
Rhode Island	2,429	2,860	-15.0%	0	0	2,429	2,860	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	114,469	113,654	0.7%	11,532	7,146	102,063	105,536	0	0	874	972
New Jersey	11,543	17,214	-33.0%	0	0	11,543	17,214	0	0	0	0
New York	32,013	28,994	10.0%	11,532	7,146	19,899	21,178	0	0	581	670
Pennsylvania	70,913	67,446	5.1%	0	0	70,621	67,144	0	0	293	301
East North Central	86,059	99,700	-14.0%	27,103	35,593	56,831	62,311	546	578	1,578	1,219
Illinois	6,417	9,144	-30.0%	494	1,878	5,916	7,264	0	0	6	2
Indiana	16,957	18,608	-8.9%	6,091	7,765	10,866	10,843	0	0	0	0
Michigan	18,011	26,592	-32.0%	3,245	9,016	13,601	16,511	546	578	618	486
Ohio	31,587	31,822	-0.7%	5,310	4,564	25,751	26,769	0	0	526	489
Wisconsin	13,088	13,534	-3.3%	11,962	12,370	697	923	0	0	428	242
West North Central	11,361	14,124	-20.0%	9,949	11,555	928	2,063	183	185	302	321
Iowa	3,242	3,810	-15.0%	2,940	3,489	0	0	0	0	302	321
Kansas	1,124	1,087	3.4%	1,124	1,087	0	0	0	0	0	0
Minnesota	2,966	4,446	-33.0%	2,964	4,446	0	0	2	0	0	0
Missouri	3,503	4,475	-22.0%	2,393	2,227	928	2,063	181	185	0	0
Nebraska	147	99	48.0%	147	99	0	0	0	0	0	0
North Dakota	380	206	84.0%	380	206	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	201,302	212,714	-5.4%	173,141	177,402	24,615	31,946	0	0	3,545	3,366
Delaware	109	1,406	-92.0%	0	0	109	1,406	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	87,042	93,253	-6.7%	85,261	90,397	1,511	2,430	0	0	270	426
Georgia	32,777	28,422	15.0%	25,852	21,580	5,999	6,013	0	0	926	829
Maryland	5,376	6,208	-13.0%	460	1,103	4,916	5,105	0	0	0	0
North Carolina	29,800	28,667	4.0%	25,392	23,814	4,093	4,559	0	0	314	294
South Carolina	13,183	14,455	-8.8%	12,967	14,298	15	37	0	0	201	119
Virginia	31,696	39,211	-19.0%	23,168	26,204	7,391	12,033	0	0	1,137	974
West Virginia	1,319	1,093	21.0%	42	6	580	363	0	0	697	724
East South Central	85,893	72,713	18.0%	61,517	50,944	21,912	19,431	0	0	2,464	2,339
Alabama	30,434	23,460	30.0%	8,555	4,208	21,879	19,252	0	0	0	0
Kentucky	8,275	7,994	3.5%	8,251	7,820	23	174	0	0	0	0
Mississippi	34,398	29,788	15.0%	34,388	29,783	10	5	0	0	0	0
Tennessee	12,787	11,472	11.0%	10,322	9,134	0	0	0	0	2,464	2,339
West South Central	210,625	236,686	-11.0%	57,476	74,348	95,991	103,651	0	0	57,157	58,688
Arkansas	6,507	10,877	-40.0%	4,921	9,426	1,280	1,187	0	0	306	264
Louisiana	38,325	43,404	-12.0%	18,608	21,872	1,543	2,470	0	0	18,175	19,062
Oklahoma	21,321	28,326	-25.0%	12,745	16,969	7,951	10,897	0	0	625	460
Texas	144,472	154,079	-6.2%	21,202	26,081	85,218	89,097	0	0	38,051	38,901
Mountain	64,337	63,960	0.6%	51,365	52,322	12,928	11,595	0	0	44	43
Arizona	27,321	27,113	0.8%	18,140	19,061	9,181	8,052	0	0	0	0
Colorado	9,699	7,792	24.0%	8,365	6,757	1,335	1,035	0	0	0	0
Idaho	1,403	1,426	-1.6%	1,403	1,426	0	0	0	0	0	0
Montana	195	201	-3.3%	195	201	0	0	0	0	0	0
Nevada	13,799	13,982	-1.3%	13,799	13,982	0	0	0	0	0	0
New Mexico	6,344	7,597	-16.0%	3,933	5,093	2,411	2,504	0	0	0	0
Utah	5,335	5,505	-3.1%	5,290	5,462	0	0	0	0	44	43
Wyoming	241	344	-30.0%	240	340	1	4	0	0	0	0
Pacific Contiguous	55,990	58,682	-4.6%	20,917	23,235	32,142	32,738	0	0	2,931	2,709
California	41,594	41,878	-0.7%	14,000	15,130	24,662	24,039	0	0	2,931	2,709
Oregon	9,441	11,462	-18.0%	3,911	4,489	5,530	6,974	0	0	0	0
Washington	4,955	5,342	-7.2%	3,006	3,616	1,949	1,726	0	0	0	0
Pacific Noncontiguous	3	37	-91.0%	3	37	0	0	0	0	0	0
Alaska	3	37	-91.0%	3	37	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	859,755	900,881	-4.6%	413,021	432,583	377,108	397,879	729	763	68,897	69,655

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

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

Table 4.9.B. Receipts of Natural Gas Delivered for Electricity Generation by State, (Year-to-Date) January 2021 and 2020 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD
New England	29,715	28,610	3.9%	17	1	29,698	28,609	0	0	0	0
Connecticut	12,465	13,155	-5.2%	0	0	12,465	13,155	0	0	0	0
Maine	955	452	111.0%	0	0	955	452	0	0	0	0
Massachusetts	11,819	10,135	17.0%	7	0	11,812	10,135	0	0	0	0
New Hampshire	2,047	2,009	1.9%	10	1	2,037	2,008	0	0	0	0
Rhode Island	2,429	2,860	-15.0%	0	0	2,429	2,860	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	114,469	113,654	0.7%	11,532	7,146	102,063	105,536	0	0	874	972
New Jersey	11,543	17,214	-33.0%	0	0	11,543	17,214	0	0	0	0
New York	32,013	28,994	10.0%	11,532	7,146	19,899	21,178	0	0	581	670
Pennsylvania	70,913	67,446	5.1%	0	0	70,621	67,144	0	0	293	301
East North Central	86,059	99,700	-14.0%	27,103	35,593	56,831	62,311	546	578	1,578	1,219
Illinois	6,417	9,144	-30.0%	494	1,878	5,916	7,264	0	0	6	2
Indiana	16,957	18,608	-8.9%	6,091	7,765	10,866	10,843	0	0	0	0
Michigan	18,011	26,592	-32.0%	3,245	9,016	13,601	16,511	546	578	618	486
Ohio	31,587	31,822	-0.7%	5,310	4,564	25,751	26,769	0	0	526	489
Wisconsin	13,088	13,534	-3.3%	11,962	12,370	697	923	0	0	428	242
West North Central	11,361	14,124	-20.0%	9,949	11,555	928	2,063	183	185	302	321
Iowa	3,242	3,810	-15.0%	2,940	3,489	0	0	0	0	302	321
Kansas	1,124	1,087	3.4%	1,124	1,087	0	0	0	0	0	0
Minnesota	2,966	4,446	-33.0%	2,964	4,446	0	0	2	0	0	0
Missouri	3,503	4,475	-22.0%	2,393	2,227	928	2,063	181	185	0	0
Nebraska	147	99	48.0%	147	99	0	0	0	0	0	0
North Dakota	380	206	84.0%	380	206	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	201,302	212,714	-5.4%	173,141	177,402	24,615	31,946	0	0	3,545	3,366
Delaware	109	1,406	-92.0%	0	0	109	1,406	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	87,042	93,253	-6.7%	85,261	90,397	1,511	2,430	0	0	270	426
Georgia	32,777	28,422	15.0%	25,852	21,580	5,999	6,013	0	0	926	829
Maryland	5,376	6,208	-13.0%	460	1,103	4,916	5,105	0	0	0	0
North Carolina	29,800	28,667	4.0%	25,392	23,814	4,093	4,559	0	0	314	294
South Carolina	13,183	14,455	-8.8%	12,967	14,298	15	37	0	0	201	119
Virginia	31,696	39,211	-19.0%	23,168	26,204	7,391	12,033	0	0	1,137	974
West Virginia	1,319	1,093	21.0%	42	6	580	363	0	0	697	724
East South Central	85,893	72,713	18.0%	61,517	50,944	21,912	19,431	0	0	2,464	2,339
Alabama	30,434	23,460	30.0%	8,555	4,208	21,879	19,252	0	0	0	0
Kentucky	8,275	7,994	3.5%	8,251	7,820	23	174	0	0	0	0
Mississippi	34,398	29,788	15.0%	34,388	29,783	10	5	0	0	0	0
Tennessee	12,787	11,472	11.0%	10,322	9,134	0	0	0	0	2,464	2,339
West South Central	210,625	236,686	-11.0%	57,476	74,348	95,991	103,651	0	0	57,157	58,688
Arkansas	6,507	10,877	-40.0%	4,921	9,426	1,280	1,187	0	0	306	264
Louisiana	38,325	43,404	-12.0%	18,608	21,872	1,543	2,470	0	0	18,175	19,062
Oklahoma	21,321	28,326	-25.0%	12,745	16,969	7,951	10,897	0	0	625	460
Texas	144,472	154,079	-6.2%	21,202	26,081	85,218	89,097	0	0	38,051	38,901
Mountain	64,337	63,960	0.6%	51,365	52,322	12,928	11,595	0	0	44	43
Arizona	27,321	27,113	0.8%	18,140	19,061	9,181	8,052	0	0	0	0
Colorado	9,699	7,792	24.0%	8,365	6,757	1,335	1,035	0	0	0	0
Idaho	1,403	1,426	-1.6%	1,403	1,426	0	0	0	0	0	0
Montana	195	201	-3.3%	195	201	0	0	0	0	0	0
Nevada	13,799	13,982	-1.3%	13,799	13,982	0	0	0	0	0	0
New Mexico	6,344	7,597	-16.0%	3,933	5,093	2,411	2,504	0	0	0	0
Utah	5,335	5,505	-3.1%	5,290	5,462	0	0	0	0	44	43
Wyoming	241	344	-30.0%	240	340	1	4	0	0	0	0
Pacific Contiguous	55,990	58,682	-4.6%	20,917	23,235	32,142	32,738	0	0	2,931	2,709
California	41,594	41,878	-0.7%	14,000	15,130	24,662	24,039	0	0	2,931	2,709
Oregon	9,441	11,462	-18.0%	3,911	4,489	5,530	6,974	0	0	0	0
Washington	4,955	5,342	-7.2%	3,006	3,616	1,949	1,726	0	0	0	0
Pacific Noncontiguous	3	37	-91.0%	3	37	0	0	0	0	0	0
Alaska	3	37	-91.0%	3	37	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	859,755	900,881	-4.6%	413,021	432,583	377,108	397,879	729	763	68,897	69,655

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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, January 2021 and 2020
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020
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	1.74	1.80	-3.3%	--	--	1.74	1.80
New Jersey	W	W	W	--	--	W	W
New York	--	--	--	--	--	--	--
Pennsylvania	W	W	W	--	--	W	W
East North Central	1.83	1.93	-5.2%	2.02	2.04	1.62	1.78
Illinois	W	W	W	1.64	1.78	W	W
Indiana	W	W	W	2.17	2.12	W	W
Michigan	1.97	2.01	-2.0%	1.97	2.01	--	--
Ohio	1.65	1.78	-7.3%	1.94	1.82	1.62	1.78
Wisconsin	1.95	2.07	-5.8%	1.95	2.07	--	--
West North Central	1.53	1.57	-2.5%	1.53	1.57	--	--
Iowa	1.48	1.50	-1.3%	1.48	1.50	--	--
Kansas	1.33	1.59	-16.0%	1.33	1.59	--	--
Minnesota	2.00	2.00	0.0%	2.00	2.00	--	--
Missouri	1.62	1.59	1.9%	1.62	1.59	--	--
Nebraska	1.12	1.21	-7.4%	1.12	1.21	--	--
North Dakota	1.53	1.57	-2.5%	1.53	1.57	--	--
South Dakota	1.86	2.15	-13.0%	1.86	2.15	--	--
South Atlantic	2.32	2.49	-6.8%	2.41	2.52	1.81	2.29
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.47	2.59	-4.6%	2.47	2.59	--	--
Georgia	2.58	2.70	-4.4%	2.58	2.70	--	--
Maryland	2.63	W	W	--	--	2.63	W
North Carolina	W	W	W	2.42	2.65	W	W
South Carolina	W	W	W	2.87	3.06	W	W
Virginia	2.24	2.51	-11.0%	2.24	2.51	--	--
West Virginia	W	W	W	2.10	2.12	W	W
East South Central	W	W	W	1.86	1.90	W	W
Alabama	2.03	1.92	5.7%	2.03	1.92	--	--
Kentucky	1.78	1.85	-3.8%	1.78	1.85	--	--
Mississippi	W	W	W	2.52	2.64	W	W
Tennessee	1.67	1.98	-16.0%	1.67	1.98	--	--
West South Central	1.95	1.79	8.9%	2.30	1.96	1.60	1.63
Arkansas	W	W	W	1.98	1.88	W	W
Louisiana	W	W	W	3.47	2.85	W	W
Oklahoma	1.66	1.71	-2.9%	1.66	1.71	--	--
Texas	W	W	W	2.51	1.85	W	W
Mountain	W	W	W	1.97	2.03	W	W
Arizona	2.14	2.16	-0.9%	2.14	2.16	--	--
Colorado	1.68	1.66	1.2%	1.68	1.66	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	2.37	2.34	W	W
Nevada	W	W	W	--	2.38	W	W
New Mexico	2.54	2.66	-4.5%	2.54	2.66	--	--
Utah	1.96	2.07	-5.3%	1.96	2.07	--	--
Wyoming	W	W	W	1.78	1.94	W	W
Pacific Contiguous	W	W	W	--	2.15	W	W
California	--	--	--	--	--	--	--
Oregon	--	2.15	--	--	2.15	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	3.37	W	W	3.37	3.48	--	W
Alaska	3.37	3.48	-3.2%	3.37	3.48	--	--
Hawaii	--	W	W	--	--	--	W
U.S. Total	1.90	1.93	-1.6%	1.98	1.97	1.67	1.80

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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 4.10.B. Average Cost of Coal Delivered for Electricity Generation by State, (Year-to-Date) January 2021 and 2020
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 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	1.74	1.80	-3.3%	--	--	1.74	1.80
New Jersey	W	W	W	--	--	W	W
New York	--	--	--	--	--	--	--
Pennsylvania	W	W	W	--	--	W	W
East North Central	1.83	1.93	-5.2%	2.02	2.04	1.62	1.78
Illinois	W	W	W	1.64	1.78	W	W
Indiana	W	W	W	2.17	2.12	W	W
Michigan	1.97	2.01	-2.0%	1.97	2.01	--	--
Ohio	1.65	1.78	-7.3%	1.94	1.82	1.62	1.78
Wisconsin	1.95	2.07	-5.8%	1.95	2.07	--	--
West North Central	1.53	1.57	-2.5%	1.53	1.57	--	--
Iowa	1.48	1.50	-1.3%	1.48	1.50	--	--
Kansas	1.33	1.59	-16.0%	1.33	1.59	--	--
Minnesota	2.00	2.00	0.0%	2.00	2.00	--	--
Missouri	1.62	1.59	1.9%	1.62	1.59	--	--
Nebraska	1.12	1.21	-7.4%	1.12	1.21	--	--
North Dakota	1.53	1.57	-2.5%	1.53	1.57	--	--
South Dakota	1.86	2.15	-13.0%	1.86	2.15	--	--
South Atlantic	2.32	2.49	-6.8%	2.41	2.52	1.81	2.29
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	2.47	2.59	-4.6%	2.47	2.59	--	--
Georgia	2.58	2.70	-4.4%	2.58	2.70	--	--
Maryland	2.63	W	W	--	--	2.63	W
North Carolina	W	W	W	2.42	2.65	W	W
South Carolina	W	W	W	2.87	3.06	W	W
Virginia	2.24	2.51	-11.0%	2.24	2.51	--	--
West Virginia	W	W	W	2.10	2.12	W	W
East South Central	W	W	W	1.86	1.90	W	W
Alabama	2.03	1.92	5.7%	2.03	1.92	--	--
Kentucky	1.78	1.85	-3.8%	1.78	1.85	--	--
Mississippi	W	W	W	2.52	2.64	W	W
Tennessee	1.67	1.98	-16.0%	1.67	1.98	--	--
West South Central	1.95	1.79	8.9%	2.30	1.96	1.60	1.63
Arkansas	W	W	W	1.98	1.88	W	W
Louisiana	W	W	W	3.47	2.85	W	W
Oklahoma	1.66	1.71	-2.9%	1.66	1.71	--	--
Texas	W	W	W	2.51	1.85	W	W
Mountain	W	W	W	1.97	2.03	W	W
Arizona	2.14	2.16	-0.9%	2.14	2.16	--	--
Colorado	1.68	1.66	1.2%	1.68	1.66	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	2.37	2.34	W	W
Nevada	W	W	W	--	2.38	W	W
New Mexico	2.54	2.66	-4.5%	2.54	2.66	--	--
Utah	1.96	2.07	-5.3%	1.96	2.07	--	--
Wyoming	W	W	W	1.78	1.94	W	W
Pacific Contiguous	W	W	W	--	2.15	W	W
California	--	--	--	--	--	--	--
Oregon	--	2.15	--	--	2.15	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	3.37	W	W	3.37	3.48	--	W
Alaska	3.37	3.48	-3.2%	3.37	3.48	--	--
Hawaii	--	W	W	--	--	--	W
U.S. Total	1.90	1.93	-1.6%	1.98	1.97	1.67	1.80

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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, January 2021 and 2020
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020
New England	12.11	14.33	-15.0%	19.12	18.30	11.91	13.98
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	W	18.30	W	19.12	18.30	W	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	10.69	W	W	10.39	--	11.90	W
New Jersey	W	W	W	--	--	W	W
New York	W	W	W	10.39	--	W	W
Pennsylvania	W	13.53	W	--	--	W	13.53
East North Central	11.93	14.12	-16.0%	11.86	13.38	12.21	15.23
Illinois	W	W	W	--	13.43	W	W
Indiana	12.11	13.40	-9.6%	12.11	13.40	--	--
Michigan	11.50	13.13	-12.0%	11.50	13.13	--	--
Ohio	W	W	W	10.89	14.68	W	W
Wisconsin	W	13.69	W	11.91	13.69	W	--
West North Central	12.10	12.99	-6.9%	12.10	12.99	--	--
Iowa	12.00	13.81	-13.0%	12.00	13.81	--	--
Kansas	12.19	13.87	-12.0%	12.19	13.87	--	--
Minnesota	12.22	13.82	-12.0%	12.22	13.82	--	--
Missouri	11.92	13.80	-14.0%	11.92	13.80	--	--
Nebraska	12.93	--	--	12.93	--	--	--
North Dakota	12.20	12.38	-1.5%	12.20	12.38	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	W	14.25	W	12.65	14.25	W	14.10
Delaware	W	--	W	--	--	W	--
District of Columbia	--	--	--	--	--	--	--
Florida	12.30	13.87	-11.0%	12.30	13.87	--	--
Georgia	12.59	W	W	12.59	14.42	--	W
Maryland	W	W	W	--	--	W	W
North Carolina	11.95	14.12	-15.0%	11.95	14.12	--	--
South Carolina	12.01	14.22	-16.0%	12.01	14.22	--	--
Virginia	W	W	W	13.09	14.92	W	W
West Virginia	12.79	14.21	-10.0%	12.79	14.21	--	--
East South Central	W	13.45	W	11.75	13.45	W	--
Alabama	W	--	W	--	--	W	--
Kentucky	11.75	13.63	-14.0%	11.75	13.63	--	--
Mississippi	12.26	13.09	-6.3%	12.26	13.09	--	--
Tennessee	11.59	13.23	-12.0%	11.59	13.23	--	--
West South Central	W	W	W	12.15	14.02	W	W
Arkansas	W	13.59	W	12.25	13.59	W	--
Louisiana	--	14.54	--	--	14.54	--	--
Oklahoma	13.03	--	--	13.03	--	--	--
Texas	W	W	W	11.85	13.90	W	W
Mountain	13.31	W	W	13.19	15.06	14.01	W
Arizona	13.35	15.24	-12.0%	13.35	15.24	--	--
Colorado	11.32	13.17	-14.0%	11.32	13.17	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	17.11	W	--	17.11	W	--
New Mexico	16.25	17.01	-4.5%	16.25	17.01	--	--
Utah	W	14.64	W	13.32	14.64	W	--
Wyoming	12.28	14.42	-15.0%	12.28	14.42	--	--
Pacific Contiguous	--	W	W	--	--	--	W
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	--	W	W	--	--	--	W
Pacific Noncontiguous	W	W	W	10.44	13.50	W	W
Alaska	13.28	16.34	-19.0%	13.28	16.34	--	--
Hawaii	W	W	W	10.43	13.48	W	W
U.S. Total	10.94	13.87	-21.0%	10.87	13.67	11.22	15.12

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

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

Table 4.11.B. Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, (Year-to-Date) January 2021 and 2020 (Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD
New England	12.11	14.33	-15.0%	19.12	18.30	11.91	13.98
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	W	18.30	W	19.12	18.30	W	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	10.69	W	W	10.39	--	11.90	W
New Jersey	W	W	W	--	--	W	W
New York	W	W	W	10.39	--	W	W
Pennsylvania	W	13.53	W	--	--	W	13.53
East North Central	11.93	14.12	-16.0%	11.86	13.38	12.21	15.23
Illinois	W	W	W	--	13.43	W	W
Indiana	12.11	13.40	-9.6%	12.11	13.40	--	--
Michigan	11.50	13.13	-12.0%	11.50	13.13	--	--
Ohio	W	W	W	10.89	14.68	W	W
Wisconsin	W	13.69	W	11.91	13.69	W	--
West North Central	12.10	12.99	-6.9%	12.10	12.99	--	--
Iowa	12.00	13.81	-13.0%	12.00	13.81	--	--
Kansas	12.19	13.87	-12.0%	12.19	13.87	--	--
Minnesota	12.22	13.82	-12.0%	12.22	13.82	--	--
Missouri	11.92	13.80	-14.0%	11.92	13.80	--	--
Nebraska	12.93	--	--	12.93	--	--	--
North Dakota	12.20	12.38	-1.5%	12.20	12.38	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	W	14.25	W	12.65	14.25	W	14.10
Delaware	W	--	W	--	--	W	--
District of Columbia	--	--	--	--	--	--	--
Florida	12.30	13.87	-11.0%	12.30	13.87	--	--
Georgia	12.59	W	W	12.59	14.42	--	W
Maryland	W	W	W	--	--	W	W
North Carolina	11.95	14.12	-15.0%	11.95	14.12	--	--
South Carolina	12.01	14.22	-16.0%	12.01	14.22	--	--
Virginia	W	W	W	13.09	14.92	W	W
West Virginia	12.79	14.21	-10.0%	12.79	14.21	--	--
East South Central	W	13.45	W	11.75	13.45	W	--
Alabama	W	--	W	--	--	W	--
Kentucky	11.75	13.63	-14.0%	11.75	13.63	--	--
Mississippi	12.26	13.09	-6.3%	12.26	13.09	--	--
Tennessee	11.59	13.23	-12.0%	11.59	13.23	--	--
West South Central	W	W	W	12.15	14.02	W	W
Arkansas	W	13.59	W	12.25	13.59	W	--
Louisiana	--	14.54	--	--	14.54	--	--
Oklahoma	13.03	--	--	13.03	--	--	--
Texas	W	W	W	11.85	13.90	W	W
Mountain	13.31	W	W	13.19	15.06	14.01	W
Arizona	13.35	15.24	-12.0%	13.35	15.24	--	--
Colorado	11.32	13.17	-14.0%	11.32	13.17	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	17.11	W	--	17.11	W	--
New Mexico	16.25	17.01	-4.5%	16.25	17.01	--	--
Utah	W	14.64	W	13.32	14.64	W	--
Wyoming	12.28	14.42	-15.0%	12.28	14.42	--	--
Pacific Contiguous	--	W	W	--	--	--	W
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	--	W	W	--	--	--	W
Pacific Noncontiguous	W	W	W	10.44	13.50	W	W
Alaska	13.28	16.34	-19.0%	13.28	16.34	--	--
Hawaii	W	W	W	10.43	13.48	W	W
U.S. Total	10.94	13.87	-21.0%	10.87	13.67	11.22	15.12

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

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

Table 4.12.A. Average Cost of Petroleum Coke Delivered for Electricity Generation by State, January 2021 and 2020
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	1.30	1.31	-0.8%	1.30	1.31	--	--
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	1.22	1.20	1.7%	1.22	1.20	--	--
Ohio	--	--	--	--	--	--	--
Wisconsin	1.90	1.90	0.0%	1.90	1.90	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	3.39	1.79	89.0%	3.39	1.79	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	3.39	1.79	89.0%	3.39	1.79	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	--	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	2.54	1.38	84.0%	2.54	1.38	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	2.54	1.38	84.0%	2.54	1.38	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--
Mountain	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.59	1.53	69.0%	2.59	1.53	--	--

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

Notes:
See Glossary for definitions. Values are preliminary.
See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Petroleum Coke includes petroleum coke-derived synthesis gas.
See the Technical Notes for fuel conversion factors.

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

Table 4.12.B. Average Cost of Petroleum Coke Delivered for Electricity Generation by State, (Year-to-Date) January 2021 and 2020 (Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	1.30	1.31	-0.8%	1.30	1.31	--	--
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	1.22	1.20	1.7%	1.22	1.20	--	--
Ohio	--	--	--	--	--	--	--
Wisconsin	1.90	1.90	0.0%	1.90	1.90	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	3.39	1.79	89.0%	3.39	1.79	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	3.39	1.79	89.0%	3.39	1.79	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	--	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	2.54	1.38	84.0%	2.54	1.38	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	2.54	1.38	84.0%	2.54	1.38	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--
Mountain	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.59	1.53	69.0%	2.59	1.53	--	--

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

Notes:
See Glossary for definitions. Values are preliminary.
See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Petroleum Coke includes petroleum coke-derived synthesis gas.
See the Technical Notes for fuel conversion factors.

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

Table 4.13.A. Average Cost of Natural Gas Delivered for Electricity Generation by State, January 2021 and 2020
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	January 2021	January 2020	Percentage Change	January 2021	January 2020	January 2021	January 2020
New England	5.32	4.48	19.0%	4.85	15.30	5.32	4.48
Connecticut	4.57	3.85	19.0%	--	--	4.57	3.85
Maine	--	W	W	--	--	--	W
Massachusetts	6.46	5.78	12.0%	5.37	--	6.46	5.78
New Hampshire	W	W	W	4.50	15.30	W	W
Rhode Island	W	W	W	--	--	W	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.83	2.34	21.0%	3.87	4.20	2.69	2.20
New Jersey	2.97	2.48	20.0%	--	--	2.97	2.48
New York	3.47	2.99	16.0%	3.87	4.20	3.19	2.52
Pennsylvania	2.51	2.02	24.0%	--	--	2.51	2.02
East North Central	2.67	2.12	26.0%	2.82	2.31	2.60	2.02
Illinois	W	W	W	2.98	2.15	W	W
Indiana	W	2.19	W	2.66	2.39	W	2.05
Michigan	2.75	2.14	29.0%	2.99	2.22	2.69	2.09
Ohio	2.53	1.95	30.0%	2.59	1.90	2.52	1.96
Wisconsin	W	W	W	2.97	2.50	W	W
West North Central	W	W	W	2.95	2.32	W	W
Iowa	2.18	2.15	1.4%	2.18	2.15	--	--
Kansas	3.61	2.65	36.0%	3.61	2.65	--	--
Minnesota	3.51	2.38	47.0%	3.51	2.38	--	--
Missouri	W	W	W	2.78	2.06	W	W
Nebraska	4.51	5.44	-17.0%	4.51	5.44	--	--
North Dakota	3.06	3.54	-14.0%	3.06	3.54	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	3.66	3.18	15.0%	3.78	3.31	2.80	2.30
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	4.02	3.40	W	W
Georgia	W	W	W	3.11	2.53	W	W
Maryland	3.34	2.82	18.0%	5.49	3.31	3.15	2.72
North Carolina	W	W	W	3.75	3.45	W	W
South Carolina	3.47	2.86	21.0%	3.47	2.86	--	--
Virginia	3.48	3.36	3.6%	3.79	3.79	2.50	1.94
West Virginia	W	W	W	2.69	3.55	W	W
East South Central	2.98	2.58	16.0%	2.95	2.63	3.10	2.39
Alabama	W	W	W	3.07	2.85	W	W
Kentucky	W	W	W	3.47	3.44	W	W
Mississippi	W	W	W	2.84	2.42	W	W
Tennessee	2.78	2.50	11.0%	2.78	2.50	--	--
West South Central	2.79	2.00	40.0%	2.96	2.08	2.67	1.92
Arkansas	W	W	W	2.88	2.09	W	W
Louisiana	W	W	W	3.14	2.31	W	W
Oklahoma	W	W	W	2.75	2.02	W	W
Texas	2.73	1.92	42.0%	2.94	1.91	2.67	1.92
Mountain	W	2.75	W	3.46	2.75	W	2.75
Arizona	W	W	W	3.44	2.31	W	W
Colorado	W	W	W	3.52	2.83	W	W
Idaho	2.77	2.44	14.0%	2.77	2.44	--	--
Montana	2.33	1.92	21.0%	2.33	1.92	--	--
Nevada	3.58	3.59	-0.3%	3.58	3.59	--	--
New Mexico	3.10	1.32	135.0%	3.10	1.32	--	--
Utah	3.58	3.45	3.8%	3.58	3.45	--	--
Wyoming	W	W	W	3.65	2.00	W	W
Pacific Contiguous	3.63	W	W	3.86	3.53	3.40	W
California	3.88	3.46	12.0%	4.30	3.82	3.50	3.13
Oregon	W	W	W	2.60	2.54	W	W
Washington	W	W	W	3.53	3.69	W	W
Pacific Noncontiguous	7.82	7.87	-0.6%	7.82	7.87	--	--
Alaska	7.82	7.87	-0.6%	7.82	7.87	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	3.22	2.65	22.0%	3.42	2.87	2.96	2.36

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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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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) January 2021 and 2020 (Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	January 2021 YTD	January 2020 YTD	Percentage Change	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD
New England	5.32	4.48	19.0%	4.85	15.30	5.32	4.48
Connecticut	4.57	3.85	19.0%	--	--	4.57	3.85
Maine	--	W	W	--	--	--	W
Massachusetts	6.46	5.78	12.0%	5.37	--	6.46	5.78
New Hampshire	W	W	W	4.50	15.30	W	W
Rhode Island	W	W	W	--	--	W	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.83	2.34	21.0%	3.87	4.20	2.69	2.20
New Jersey	2.97	2.48	20.0%	--	--	2.97	2.48
New York	3.47	2.99	16.0%	3.87	4.20	3.19	2.52
Pennsylvania	2.51	2.02	24.0%	--	--	2.51	2.02
East North Central	2.67	2.12	26.0%	2.82	2.31	2.60	2.02
Illinois	W	W	W	2.98	2.15	W	W
Indiana	W	2.19	W	2.66	2.39	W	2.05
Michigan	2.75	2.14	29.0%	2.99	2.22	2.69	2.09
Ohio	2.53	1.95	30.0%	2.59	1.90	2.52	1.96
Wisconsin	W	W	W	2.97	2.50	W	W
West North Central	W	W	W	2.95	2.32	W	W
Iowa	2.18	2.15	1.4%	2.18	2.15	--	--
Kansas	3.61	2.65	36.0%	3.61	2.65	--	--
Minnesota	3.51	2.38	47.0%	3.51	2.38	--	--
Missouri	W	W	W	2.78	2.06	W	W
Nebraska	4.51	5.44	-17.0%	4.51	5.44	--	--
North Dakota	3.06	3.54	-14.0%	3.06	3.54	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	3.66	3.18	15.0%	3.78	3.31	2.80	2.30
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	4.02	3.40	W	W
Georgia	W	W	W	3.11	2.53	W	W
Maryland	3.34	2.82	18.0%	5.49	3.31	3.15	2.72
North Carolina	W	W	W	3.75	3.45	W	W
South Carolina	3.47	2.86	21.0%	3.47	2.86	--	--
Virginia	3.48	3.36	3.6%	3.79	3.79	2.50	1.94
West Virginia	W	W	W	2.69	3.55	W	W
East South Central	2.98	2.58	16.0%	2.95	2.63	3.10	2.39
Alabama	W	W	W	3.07	2.85	W	W
Kentucky	W	W	W	3.47	3.44	W	W
Mississippi	W	W	W	2.84	2.42	W	W
Tennessee	2.78	2.50	11.0%	2.78	2.50	--	--
West South Central	2.79	2.00	40.0%	2.96	2.08	2.67	1.92
Arkansas	W	W	W	2.88	2.09	W	W
Louisiana	W	W	W	3.14	2.31	W	W
Oklahoma	W	W	W	2.75	2.02	W	W
Texas	2.73	1.92	42.0%	2.94	1.91	2.67	1.92
Mountain	W	2.75	W	3.46	2.75	W	2.75
Arizona	W	W	W	3.44	2.31	W	W
Colorado	W	W	W	3.52	2.83	W	W
Idaho	2.77	2.44	14.0%	2.77	2.44	--	--
Montana	2.33	1.92	21.0%	2.33	1.92	--	--
Nevada	3.58	3.59	-0.3%	3.58	3.59	--	--
New Mexico	3.10	1.32	135.0%	3.10	1.32	--	--
Utah	3.58	3.45	3.8%	3.58	3.45	--	--
Wyoming	W	W	W	3.65	2.00	W	W
Pacific Contiguous	3.63	W	W	3.86	3.53	3.40	W
California	3.88	3.46	12.0%	4.30	3.82	3.50	3.13
Oregon	W	W	W	2.60	2.54	W	W
Washington	W	W	W	3.53	3.69	W	W
Pacific Noncontiguous	7.82	7.87	-0.6%	7.82	7.87	--	--
Alaska	7.82	7.87	-0.6%	7.82	7.87	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	3.22	2.65	22.0%	3.42	2.87	2.96	2.36

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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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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, January 2021

	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	6	0.58	6.7	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	6	0.58	6.7	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	977	2.79	9.9	0	--	--	0	--	--
New Jersey	34	1.58	7.0	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	943	2.84	10.1	0	--	--	0	--	--
East North Central	3,715	3.21	10.8	3,465	0.23	4.7	0	--	--
Illinois	713	3.32	20.1	1,270	0.22	4.6	0	--	--
Indiana	1,320	2.99	9.2	45	0.27	4.4	0	--	--
Michigan	204	2.48	7.6	1,071	0.23	4.7	0	--	--
Ohio	1,476	3.45	9.3	0	--	--	0	--	--
Wisconsin	1	1.92	10.8	1,078	0.23	4.6	0	--	--
West North Central	51	2.97	9.1	6,030	0.27	4.9	1,833	0.76	9.9
Iowa	17	3.02	9.5	770	0.24	4.7	0	--	--
Kansas	0	--	--	1,008	0.29	5.0	0	--	--
Minnesota	0	--	--	703	0.31	5.4	0	--	--
Missouri	33	2.95	8.9	2,429	0.24	4.7	0	--	--
Nebraska	0	--	--	989	0.25	4.7	0	--	--
North Dakota	0	--	--	0	--	--	1,833	0.76	9.9
South Dakota	0	--	--	131	0.76	5.2	0	--	--
South Atlantic	4,708	2.47	9.7	442	0.35	4.9	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	680	2.65	8.4	0	--	--	0	--	--
Georgia	491	2.55	8.3	442	0.35	4.9	0	--	--
Maryland	160	2.23	11.1	0	--	--	0	--	--
North Carolina	806	1.57	9.3	0	--	--	0	--	--
South Carolina	574	1.82	8.4	0	--	--	0	--	--
Virginia	102	2.31	10.2	0	--	--	0	--	--
West Virginia	1,895	2.99	10.8	0	--	--	0	--	--
East South Central	2,282	2.67	9.0	1,491	0.25	5.0	298	0.45	14.4
Alabama	189	0.75	10.5	860	0.27	5.1	0	--	--
Kentucky	1,716	2.90	9.0	459	0.23	4.9	0	--	--
Mississippi	0	--	--	143	0.26	5.0	298	0.45	14.4
Tennessee	377	2.45	8.0	29	0.23	5.0	0	--	--
West South Central	22	2.49	9.1	4,708	0.27	4.8	1,748	1.05	16.6
Arkansas	3	0.60	10.4	985	0.22	4.7	0	--	--
Louisiana	19	2.87	8.8	288	0.27	5.0	9	0.51	15.5
Oklahoma	0	--	--	413	0.20	4.4	0	--	--
Texas	0	--	--	3,022	0.30	4.9	1,739	1.06	16.6
Mountain	973	0.56	13.8	3,967	0.49	8.8	25	0.53	9.2
Arizona	0	--	--	561	0.48	9.5	0	--	--
Colorado	53	0.51	9.7	754	0.32	5.5	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	581	0.63	8.4	25	0.53	9.2
Nevada	0	--	--	61	0.35	5.4	0	--	--
New Mexico	249	0.72	22.7	460	0.80	19.7	0	--	--
Utah	671	0.52	11.2	36	0.98	8.8	0	--	--
Wyoming	0	--	--	1,515	0.43	7.3	0	--	--
Pacific Contiguous	65	0.40	8.7	187	0.36	7.8	0	--	--
California	65	0.40	8.7	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	187	0.36	7.8	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	26	0.14	7.0
Alaska	0	--	--	0	--	--	26	0.14	7.0
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	12,798	2.60	10.2	20,289	0.31	5.7	3,931	0.87	13.2

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

Notes:
Bituminous coal includes anthracite coal and coal-derived synthesis gas.
See Glossary for definitions. Values for 2020 and 2021 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, January 2021

	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	1,549	2.92	9.1	2,243	0.23	4.7	0	--	--
Illinois	88	2.72	10.6	48	0.19	4.6	0	--	--
Indiana	1,131	2.96	9.3	45	0.27	4.4	0	--	--
Michigan	204	2.48	7.6	1,071	0.23	4.7	0	--	--
Ohio	125	3.44	9.6	0	--	--	0	--	--
Wisconsin	1	1.92	10.8	1,078	0.23	4.6	0	--	--
West North Central	32	2.95	8.9	5,828	0.27	4.9	1,833	0.76	9.9
Iowa	0	--	--	634	0.25	4.8	0	--	--
Kansas	0	--	--	1,008	0.29	5.0	0	--	--
Minnesota	0	--	--	703	0.31	5.4	0	--	--
Missouri	32	2.95	8.9	2,429	0.24	4.7	0	--	--
Nebraska	0	--	--	923	0.25	4.7	0	--	--
North Dakota	0	--	--	0	--	--	1,833	0.76	9.9
South Dakota	0	--	--	131	0.76	5.2	0	--	--
South Atlantic	3,989	2.39	9.7	442	0.35	4.9	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	680	2.65	8.4	0	--	--	0	--	--
Georgia	478	2.60	8.2	442	0.35	4.9	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	780	1.60	9.4	0	--	--	0	--	--
South Carolina	556	1.85	8.4	0	--	--	0	--	--
Virginia	93	2.47	10.5	0	--	--	0	--	--
West Virginia	1,402	2.84	11.4	0	--	--	0	--	--
East South Central	2,229	2.72	9.0	1,491	0.25	5.0	0	--	--
Alabama	189	0.75	10.5	860	0.27	5.1	0	--	--
Kentucky	1,716	2.90	9.0	459	0.23	4.9	0	--	--
Mississippi	0	--	--	143	0.26	5.0	0	--	--
Tennessee	324	2.74	8.4	29	0.23	5.0	0	--	--
West South Central	19	2.87	8.8	2,682	0.24	4.7	523	1.28	20.3
Arkansas	0	--	--	870	0.21	4.6	0	--	--
Louisiana	19	2.87	8.8	140	0.22	5.0	9	0.51	15.5
Oklahoma	0	--	--	413	0.20	4.4	0	--	--
Texas	0	--	--	1,258	0.28	4.9	514	1.30	20.4
Mountain	973	0.56	13.8	3,279	0.47	9.0	25	0.53	9.2
Arizona	0	--	--	561	0.48	9.5	0	--	--
Colorado	53	0.51	9.7	754	0.32	5.5	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	25	0.53	9.2
Nevada	0	--	--	0	--	--	0	--	--
New Mexico	249	0.72	22.7	460	0.80	19.7	0	--	--
Utah	671	0.52	11.2	36	0.98	8.8	0	--	--
Wyoming	0	--	--	1,468	0.43	7.3	0	--	--
Pacific Contiguous	0	--	--	0	--	--	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	26	0.14	7.0
Alaska	0	--	--	0	--	--	26	0.14	7.0
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	8,790	2.38	9.9	15,964	0.30	5.7	2,407	0.86	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 2020 and 2021 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, January 2021

	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	6	0.58	6.7	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	6	0.58	6.7	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	977	2.79	9.9	0	--	--	0	--	--
New Jersey	34	1.58	7.0	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	943	2.84	10.1	0	--	--	0	--	--
East North Central	2,067	3.42	12.2	1,186	0.22	4.5	0	--	--
Illinois	526	3.46	24.7	1,186	0.22	4.5	0	--	--
Indiana	189	3.14	8.7	0	--	--	0	--	--
Michigan	0	--	--	0	--	--	0	--	--
Ohio	1,351	3.45	9.3	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	666	3.09	9.6	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	160	2.23	11.1	0	--	--	0	--	--
North Carolina	2	0.70	5.7	0	--	--	0	--	--
South Carolina	11	0.83	9.8	0	--	--	0	--	--
Virginia	0	--	--	0	--	--	0	--	--
West Virginia	493	3.43	9.2	0	--	--	0	--	--
East South Central	0	--	--	0	--	--	298	0.45	14.4
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	298	0.45	14.4
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	0	--	--	2,026	0.31	5.0	1,225	0.97	15.3
Arkansas	0	--	--	114	0.23	5.1	0	--	--
Louisiana	0	--	--	148	0.31	4.9	0	--	--
Oklahoma	0	--	--	0	--	--	0	--	--
Texas	0	--	--	1,764	0.32	5.0	1,225	0.97	15.3
Mountain	0	--	--	689	0.59	8.0	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	581	0.63	8.4	0	--	--
Nevada	0	--	--	61	0.35	5.4	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	47	0.45	5.7	0	--	--
Pacific Contiguous	0	--	--	187	0.36	7.8	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	187	0.36	7.8	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	3,716	3.18	11.1	4,087	0.33	5.5	1,524	0.89	15.1

Displayed values of zero may represent small values that round to zero.
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Notes:
Bituminous coal includes anthracite coal and coal-derived synthesis gas.
See Glossary for definitions. Values for 2020 and 2021 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, January 2021

	Bituminous			Subbituminous			Lignite		
Census Division and State	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	0	--	--	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	0	--	--	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	0	--	--	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	0	--	--	0	--	--	0	--	--
East North Central	0	--	--	0	--	--	0	--	--
Illinois	0	--	--	0	--	--	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	0	--	--	0	--	--	0	--	--
Ohio	0	--	--	0	--	--	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	1	2.86	7.8	0	--	--	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	1	2.86	7.8	0	--	--	0	--	--
Nebraska	0	--	--	0	--	--	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	0	--	--	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	0	--	--	0	--	--	0	--	--
West Virginia	0	--	--	0	--	--	0	--	--
East South Central	0	--	--	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	0	--	--	0	--	--	0	--	--
Arkansas	0	--	--	0	--	--	0	--	--
Louisiana	0	--	--	0	--	--	0	--	--
Oklahoma	0	--	--	0	--	--	0	--	--
Texas	0	--	--	0	--	--	0	--	--
Mountain	0	--	--	0	--	--	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	0	--	--	0	--	--	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	0	--	--	0	--	--
Pacific Contiguous	0	--	--	0	--	--	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	1	2.86	7.8	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 2020 and 2021 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, January 2021

	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	99	3.25	8.4	36	0.22	5.7	0	--	--
Illinois	99	3.25	8.4	36	0.22	5.7	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	0	--	--	0	--	--	0	--	--
Ohio	0	--	--	0	--	--	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	17	3.02	9.5	202	0.21	4.5	0	--	--
Iowa	17	3.02	9.5	136	0.21	4.5	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	0	--	--	0	--	--	0	--	--
Nebraska	0	--	--	66	0.21	4.4	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	53	0.79	6.6	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	13	0.90	8.6	0	--	--	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	24	0.77	5.9	0	--	--	0	--	--
South Carolina	7	0.70	4.7	0	--	--	0	--	--
Virginia	9	0.75	7.3	0	--	--	0	--	--
West Virginia	0	--	--	0	--	--	0	--	--
East South Central	53	0.86	6.3	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	53	0.86	6.3	0	--	--	0	--	--
West South Central	3	0.60	10.4	0	--	--	0	--	--
Arkansas	3	0.60	10.4	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	65	0.40	8.7	0	--	--	0	--	--
California	65	0.40	8.7	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	291	1.62	7.7	238	0.21	4.7	0	--	--

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Notes:
Bituminous coal includes anthracite coal and coal-derived synthesis gas.
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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, 2011 - January 2021 (Thousand Megawatthours)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	1,440,289	1,360,877	1,002,353	7,632	3,811,150
2020	1,461,958	1,275,718	919,533	6,532	3,663,741
Year 2019					
January	133,318	112,012	82,610	670	328,609
February	116,608	102,071	76,447	672	295,798
March	112,605	107,468	81,093	686	301,853
April	90,384	102,446	80,460	610	273,900
May	100,331	111,201	84,661	608	296,802
June	120,116	115,745	84,992	608	321,462
July	153,749	130,951	90,752	642	376,095
August	150,083	130,776	91,062	653	372,574
Sept	131,567	122,059	86,160	677	340,463
October	107,997	115,305	84,396	543	308,241
November	102,453	102,840	79,625	614	285,532
December	121,078	108,001	80,095	648	309,823
Year 2020					
January	124,413	108,903	77,339	664	311,318
February	111,929	101,904	75,664	622	290,120
March	104,006	102,937	77,658	577	285,177
April	97,465	90,631	69,591	458	258,145
May	105,412	93,406	71,220	448	270,486
June	131,242	108,699	75,230	480	315,651
July	166,891	126,010	81,278	555	374,734
August	158,801	122,035	82,852	525	364,212
Sept	127,706	112,297	77,468	532	318,002
October	105,145	107,404	79,079	514	292,142
November	99,444	97,091	75,866	525	272,926
December	129,504	104,403	76,289	632	310,828
Year 2021					
January	137,243	104,192	79,222	563	321,219
Year to Date					
2019	133,318	112,012	82,610	670	328,609
2020	124,413	108,903	77,339	664	311,318
2021	137,243	104,192	79,222	563	321,219
Rolling 12 Months Ending in January					
2020	1,431,384	1,357,767	997,082	7,627	3,793,860
2021	1,474,788	1,271,008	921,416	6,430	3,673,642

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 2019 and prior years are final. Values for 2021 and 2020 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, 2011 - January 2021 (Million Dollars)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	187,436	145,280	68,285	737	401,738
2020	192,934	135,860	61,246	646	390,686
Year 2019					
January	16,620	11,541	5,433	66	33,660
February	14,831	10,761	5,116	67	30,775
March	14,457	11,238	5,454	63	31,212
April	11,976	10,777	5,239	58	28,050
May	13,356	11,725	5,667	58	30,805
June	16,005	12,618	5,843	61	34,526
July	20,382	14,433	6,476	63	41,354
August	19,955	14,407	6,739	63	41,164
Sept	17,317	13,379	6,085	66	36,847
October	13,837	12,380	5,770	53	32,039
November	13,346	10,874	5,350	58	29,629
December	15,354	11,146	5,112	61	31,674
Year 2020					
January	15,910	11,144	4,900	64	32,018
February	14,379	10,559	4,853	59	29,850
March	13,609	10,713	4,955	57	29,333
April	12,945	9,441	4,454	44	26,884
May	13,864	9,765	4,654	42	28,324
June	17,421	11,900	5,216	51	34,588
July	22,120	13,735	5,825	57	41,737
August	21,136	13,368	5,858	54	40,416
Sept	17,296	12,432	5,428	55	35,211
October	14,402	11,586	5,306	51	31,345
November	13,271	10,282	4,915	52	28,519
December	16,582	10,937	4,881	62	32,462
Year 2021					
January	17,414	10,739	5,030	54	33,237
Year to Date					
2019	16,620	11,541	5,433	66	33,660
2020	15,910	11,144	4,900	64	32,018
2021	17,414	10,739	5,030	54	33,237
Rolling 12 Months Ending in January					
2020	186,726	144,882	67,752	736	400,096
2021	194,438	135,455	61,376	636	391,906

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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, 2011 - January 2021 (Cents per Kilowatthour)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	13.01	10.68	6.81	9.66	10.54
2020	13.20	10.65	6.66	9.90	10.66
Year 2019					
January	12.47	10.30	6.58	9.83	10.24
February	12.72	10.54	6.69	10.02	10.40
March	12.84	10.46	6.73	9.25	10.34
April	13.25	10.52	6.51	9.45	10.24
May	13.31	10.54	6.69	9.46	10.38
June	13.32	10.90	6.87	10.01	10.74
July	13.26	11.02	7.14	9.82	11.00
August	13.30	11.02	7.40	9.65	11.05
Sept	13.16	10.96	7.06	9.78	10.82
October	12.81	10.74	6.84	9.72	10.39
November	13.03	10.57	6.72	9.52	10.38
December	12.68	10.32	6.38	9.46	10.22
Year 2020					
January	12.79	10.23	6.34	9.67	10.28
February	12.85	10.36	6.41	9.45	10.29
March	13.08	10.41	6.38	9.82	10.29
April	13.28	10.42	6.40	9.63	10.41
May	13.15	10.45	6.53	9.34	10.47
June	13.27	10.95	6.93	10.53	10.96
July	13.25	10.90	7.17	10.24	11.14
August	13.31	10.95	7.07	10.25	11.10
Sept	13.54	11.07	7.01	10.34	11.07
October	13.70	10.79	6.71	9.88	10.73
November	13.35	10.59	6.48	9.89	10.45
December	12.80	10.48	6.40	9.81	10.44
Year 2021					
January	12.69	10.31	6.35	9.64	10.35
Year to Date					
2019	12.47	10.30	6.58	9.83	10.24
2020	12.79	10.23	6.34	9.67	10.28
2021	12.69	10.31	6.35	9.64	10.35
Rolling 12 Months Ending in January					
2020	13.05	10.67	6.79	9.65	10.55
2021	13.18	10.66	6.66	9.90	10.67

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Sources: U.S. Energy Information Administration, Form EIA-861M (formerly EIA-826), Monthly Electric Industry Power Report.
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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, January 2021 and 2020 (Thousand Megawatthours)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
New England	4,686	4,309	4,043	4,286	1,279	1,248	43	48	10,052	9,892
Connecticut	1,279	1,161	957	971	223	216	11	15	2,469	2,363
Maine	468	484	322	372	205	211	0	0	995	1,067
Massachusetts	1,956	1,763	1,975	2,114	527	491	31	31	4,488	4,399
New Hampshire	472	442	346	372	148	152	0	0	967	965
Rhode Island	288	259	287	293	52	55	1	3	628	609
Vermont	223	199	157	165	124	123	0	0	504	488
Middle Atlantic	13,102	11,875	11,553	12,511	5,910	6,142	296	326	30,861	30,854
New Jersey	2,626	2,279	2,570	3,079	442	533	21	26	5,660	5,916
New York	4,684	4,352	5,810	6,201	1,371	1,303	228	250	12,094	12,106
Pennsylvania	5,792	5,245	3,173	3,230	4,097	4,307	46	50	13,107	12,832
East North Central	18,115	16,757	14,185	15,006	15,049	14,703	46	58	47,395	46,524
Illinois	4,199	3,921	3,885	4,149	3,453	3,418	40	51	11,577	11,538
Indiana	3,367	2,995	1,844	1,894	3,606	3,222	2	2	8,819	8,114
Michigan	3,149	2,944	3,001	3,221	2,153	2,322	0	1	8,304	8,488
Ohio	5,244	4,773	3,551	3,776	4,011	3,853	4	4	12,810	12,407
Wisconsin	2,155	2,123	1,905	1,966	1,825	1,888	0	0	5,885	5,977
West North Central	10,602	10,322	8,082	8,634	7,712	7,307	4	5	26,401	26,267
Iowa	1,483	1,479	1,002	1,095	2,076	1,898	0	0	4,560	4,472
Kansas	1,203	1,130	1,171	1,192	912	897	0	0	3,286	3,219
Minnesota	2,215	2,184	1,793	1,951	1,641	1,693	2	3	5,652	5,830
Missouri	3,665	3,358	2,390	2,493	1,063	893	2	2	7,120	6,746
Nebraska	995	1,040	713	802	844	863	0	0	2,551	2,706
North Dakota	537	601	611	654	934	835	0	0	2,081	2,090
South Dakota	505	530	402	447	243	228	0	0	1,150	1,205
South Atlantic	35,069	30,684	24,563	24,835	11,319	10,992	95	120	71,047	66,632
Delaware	497	426	330	347	164	172	0	0	991	945
District of Columbia	240	228	581	612	20	17	22	27	863	883
Florida	9,836	8,764	6,726	7,081	1,305	1,306	6	7	17,872	17,157
Georgia	5,693	4,910	3,614	3,692	2,592	2,579	13	13	11,912	11,195
Maryland	2,942	2,561	2,291	2,345	264	273	38	51	5,535	5,229
North Carolina	6,209	5,355	4,075	3,925	2,139	2,067	1	2	12,424	11,349
South Carolina	3,054	2,671	1,681	1,717	2,220	2,059	0	0	6,955	6,448
Virginia	5,252	4,628	4,635	4,457	1,391	1,274	15	21	11,293	10,380
West Virginia	1,347	1,141	630	658	1,224	1,246	0	0	3,201	3,046
East South Central	12,373	10,356	7,204	7,101	8,127	7,888	0	0	27,703	25,346
Alabama	3,165	2,707	1,745	1,718	2,656	2,756	0	0	7,566	7,181
Kentucky	2,857	2,435	1,531	1,567	2,404	2,229	0	0	6,792	6,231
Mississippi	1,814	1,548	1,039	1,003	1,259	1,371	0	0	4,113	3,922
Tennessee	4,537	3,667	2,888	2,813	1,808	1,532	0	0	9,233	8,012
West South Central	20,444	17,380	15,069	15,330	16,903	15,374	14	16	52,431	48,100
Arkansas	1,910	1,676	889	895	1,441	1,384	0	0	4,239	3,955
Louisiana	2,873	2,462	1,778	1,837	3,055	2,930	1	1	7,707	7,230
Oklahoma	2,229	1,985	1,484	1,448	1,752	1,696	0	0	5,466	5,129
Texas	13,432	11,257	10,919	11,150	10,655	9,364	13	15	35,019	31,786
Mountain	8,764	8,317	7,562	7,704	6,553	6,864	13	15	22,893	22,901
Arizona	2,596	2,462	2,123	2,164	1,131	1,116	1	1	5,852	5,743
Colorado	1,789	1,693	1,653	1,685	1,234	1,364	8	9	4,684	4,751
Idaho	963	910	555	561	567	545	0	0	2,086	2,016
Montana	574	573	412	438	368	347	0	0	1,354	1,357
Nevada	954	893	913	913	941	1,024	0	1	2,807	2,831
New Mexico	670	650	652	699	757	785	0	0	2,080	2,135
Utah	900	830	954	926	793	828	4	4	2,650	2,588
Wyoming	318	305	300	320	762	856	0	0	1,380	1,481
Pacific Contiguous	13,636	13,940	11,494	13,015	5,999	6,411	52	76	31,181	33,442
California	7,578	7,898	7,750	8,981	3,147	3,476	42	63	18,518	20,419
Oregon	2,062	2,004	1,375	1,410	1,168	966	2	2	4,607	4,382
Washington	3,996	4,037	2,368	2,624	1,683	1,970	8	10	8,056	8,642
Pacific Noncontiguous	451	471	436	481	370	408	0	0	1,257	1,359
Alaska	203	232	222	249	107	114	0	0	532	594
Hawaii	249	239	214	232	262	294	0	0	725	765
U.S. Total	137,243	124,413	104,192	108,903	79,222	77,339	563	664	321,219	311,318

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 January 2021 and 2020 (Thousand Megawatthours)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD
New England	4,686	4,309	4,043	4,286	1,279	1,248	43	48	10,052	9,892
Connecticut	1,279	1,161	957	971	223	216	11	15	2,469	2,363
Maine	468	484	322	372	205	211	0	0	995	1,067
Massachusetts	1,956	1,763	1,975	2,114	527	491	31	31	4,488	4,399
New Hampshire	472	442	346	372	148	152	0	0	967	965
Rhode Island	288	259	287	293	52	55	1	3	628	609
Vermont	223	199	157	165	124	123	0	0	504	488
Middle Atlantic	13,102	11,875	11,553	12,511	5,910	6,142	296	326	30,861	30,854
New Jersey	2,626	2,279	2,570	3,079	442	533	21	26	5,660	5,916
New York	4,684	4,352	5,810	6,201	1,371	1,303	228	250	12,094	12,106
Pennsylvania	5,792	5,245	3,173	3,230	4,097	4,307	46	50	13,107	12,832
East North Central	18,115	16,757	14,185	15,006	15,049	14,703	46	58	47,395	46,524
Illinois	4,199	3,921	3,885	4,149	3,453	3,418	40	51	11,577	11,538
Indiana	3,367	2,995	1,844	1,894	3,606	3,222	2	2	8,819	8,114
Michigan	3,149	2,944	3,001	3,221	2,153	2,322	0	1	8,304	8,488
Ohio	5,244	4,773	3,551	3,776	4,011	3,853	4	4	12,810	12,407
Wisconsin	2,155	2,123	1,905	1,966	1,825	1,888	0	0	5,885	5,977
West North Central	10,602	10,322	8,082	8,634	7,712	7,307	4	5	26,401	26,267
Iowa	1,483	1,479	1,002	1,095	2,076	1,898	0	0	4,560	4,472
Kansas	1,203	1,130	1,171	1,192	912	897	0	0	3,286	3,219
Minnesota	2,215	2,184	1,793	1,951	1,641	1,693	2	3	5,652	5,830
Missouri	3,665	3,358	2,390	2,493	1,063	893	2	2	7,120	6,746
Nebraska	995	1,040	713	802	844	863	0	0	2,551	2,706
North Dakota	537	601	611	654	934	835	0	0	2,081	2,090
South Dakota	505	530	402	447	243	228	0	0	1,150	1,205
South Atlantic	35,069	30,684	24,563	24,835	11,319	10,992	95	120	71,047	66,632
Delaware	497	426	330	347	164	172	0	0	991	945
District of Columbia	240	228	581	612	20	17	22	27	863	883
Florida	9,836	8,764	6,726	7,081	1,305	1,306	6	7	17,872	17,157
Georgia	5,693	4,910	3,614	3,692	2,592	2,579	13	13	11,912	11,195
Maryland	2,942	2,561	2,291	2,345	264	273	38	51	5,535	5,229
North Carolina	6,209	5,355	4,075	3,925	2,139	2,067	1	2	12,424	11,349
South Carolina	3,054	2,671	1,681	1,717	2,220	2,059	0	0	6,955	6,448
Virginia	5,252	4,628	4,635	4,457	1,391	1,274	15	21	11,293	10,380
West Virginia	1,347	1,141	630	658	1,224	1,246	0	0	3,201	3,046
East South Central	12,373	10,356	7,204	7,101	8,127	7,888	0	0	27,703	25,346
Alabama	3,165	2,707	1,745	1,718	2,656	2,756	0	0	7,566	7,181
Kentucky	2,857	2,435	1,531	1,567	2,404	2,229	0	0	6,792	6,231
Mississippi	1,814	1,548	1,039	1,003	1,259	1,371	0	0	4,113	3,922
Tennessee	4,537	3,667	2,888	2,813	1,808	1,532	0	0	9,233	8,012
West South Central	20,444	17,380	15,069	15,330	16,903	15,374	14	16	52,431	48,100
Arkansas	1,910	1,676	889	895	1,441	1,384	0	0	4,239	3,955
Louisiana	2,873	2,462	1,778	1,837	3,055	2,930	1	1	7,707	7,230
Oklahoma	2,229	1,985	1,484	1,448	1,752	1,696	0	0	5,466	5,129
Texas	13,432	11,257	10,919	11,150	10,655	9,364	13	15	35,019	31,786
Mountain	8,764	8,317	7,562	7,704	6,553	6,864	13	15	22,893	22,901
Arizona	2,596	2,462	2,123	2,164	1,131	1,116	1	1	5,852	5,743
Colorado	1,789	1,693	1,653	1,685	1,234	1,364	8	9	4,684	4,751
Idaho	963	910	555	561	567	545	0	0	2,086	2,016
Montana	574	573	412	438	368	347	0	0	1,354	1,357
Nevada	954	893	913	913	941	1,024	0	1	2,807	2,831
New Mexico	670	650	652	699	757	785	0	0	2,080	2,135
Utah	900	830	954	926	793	828	4	4	2,650	2,588
Wyoming	318	305	300	320	762	856	0	0	1,380	1,481
Pacific Contiguous	13,636	13,940	11,494	13,015	5,999	6,411	52	76	31,181	33,442
California	7,578	7,898	7,750	8,981	3,147	3,476	42	63	18,518	20,419
Oregon	2,062	2,004	1,375	1,410	1,168	966	2	2	4,607	4,382
Washington	3,996	4,037	2,368	2,624	1,683	1,970	8	10	8,056	8,642
Pacific Noncontiguous	451	471	436	481	370	408	0	0	1,257	1,359
Alaska	203	232	222	249	107	114	0	0	532	594
Hawaii	249	239	214	232	262	294	0	0	725	765
U.S. Total	137,243	124,413	104,192	108,903	79,222	77,339	563	664	321,219	311,318

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

Table 5.5.A. Revenue from Sales of Electricity to Ultimate Customers by End-Use Sector, by State, January 2021 and 2020 (Million Dollars)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
New England	984	931	645	697	167	156	4	6	1,800	1,789
Connecticut	272	257	157	165	30	30	1	2	460	454
Maine	77	81	41	47	20	19	0	0	138	148
Massachusetts	437	404	321	348	75	64	2	3	835	819
New Hampshire	89	88	53	60	21	20	0	0	163	168
Rhode Island	67	63	48	50	8	9	0	0	124	122
Vermont	41	38	25	27	14	13	0	0	80	78
Middle Atlantic	2,038	1,830	1,398	1,449	373	393	33	36	3,842	3,708
New Jersey	425	352	317	359	47	52	2	2	791	765
New York	856	764	819	813	76	70	27	30	1,777	1,677
Pennsylvania	758	715	262	278	250	271	4	4	1,274	1,267
East North Central	2,385	2,179	1,430	1,482	992	961	3	4	4,811	4,626
Illinois	517	495	348	360	236	222	2	4	1,103	1,081
Indiana	413	357	205	204	232	212	0	0	850	773
Michigan	533	463	359	363	156	165	0	0	1,048	992
Ohio	620	560	321	345	238	221	0	0	1,179	1,126
Wisconsin	303	304	197	209	130	141	0	0	630	654
West North Central	1,124	1,110	712	769	504	495	0	0	2,340	2,374
Iowa	161	173	90	104	115	115	0	0	366	392
Kansas	143	134	115	116	63	61	0	0	321	310
Minnesota	276	273	174	188	120	123	0	0	570	585
Missouri	344	320	184	198	65	54	0	0	593	571
Nebraska	94	100	60	68	60	60	0	0	214	228
North Dakota	51	54	53	54	62	66	0	0	165	174
South Dakota	55	57	37	40	19	17	0	0	111	114
South Atlantic	3,984	3,566	2,201	2,259	679	657	7	9	6,871	6,491
Delaware	59	52	30	32	12	12	0	0	100	96
District of Columbia	29	28	68	73	1	1	2	3	101	105
Florida	1,146	1,027	629	656	97	96	0	1	1,872	1,780
Georgia	623	534	360	349	144	129	1	1	1,127	1,012
Maryland	371	344	227	234	21	22	3	4	622	603
North Carolina	658	589	322	333	123	123	0	0	1,103	1,046
South Carolina	366	327	169	171	125	116	0	0	659	615
Virginia	580	540	341	352	84	84	1	2	1,007	978
West Virginia	151	124	57	58	72	74	0	0	279	257
East South Central	1,358	1,166	771	766	446	433	0	0	2,574	2,365
Alabama	392	335	205	199	155	155	0	0	752	689
Kentucky	299	258	155	156	127	113	0	0	581	528
Mississippi	197	175	111	109	71	80	0	0	379	365
Tennessee	470	398	299	301	93	85	0	0	862	784
West South Central	2,184	1,888	1,185	1,180	832	758	1	1	4,203	3,827
Arkansas	180	165	75	71	79	67	0	0	334	303
Louisiana	275	223	169	162	157	139	0	0	601	524
Oklahoma	199	180	114	103	76	72	0	0	389	355
Texas	1,530	1,321	828	844	520	480	1	1	2,879	2,646
Mountain	997	942	674	685	388	389	1	1	2,060	2,016
Arizona	304	288	198	202	64	60	0	0	566	549
Colorado	217	199	161	158	92	93	1	1	470	451
Idaho	97	90	42	41	31	28	0	0	170	159
Montana	62	64	43	45	19	18	0	0	124	126
Nevada	110	107	66	72	46	50	0	0	222	229
New Mexico	84	79	64	66	40	39	0	0	188	184
Utah	90	84	72	72	45	45	0	0	208	201
Wyoming	33	32	28	29	52	56	0	0	113	117
Pacific Contiguous	2,241	2,170	1,618	1,737	567	562	5	7	4,431	4,476
California	1,624	1,575	1,282	1,383	409	413	4	5	3,319	3,376
Oregon	227	214	123	124	67	57	0	0	417	395
Washington	390	381	213	230	90	93	1	1	694	705
Pacific Noncontiguous	119	128	103	119	83	97	0	0	305	344
Alaska	43	52	41	50	17	21	0	0	100	122
Hawaii	76	76	63	70	66	76	0	0	205	222
U.S. Total	17,414	15,910	10,739	11,144	5,030	4,900	54	64	33,237	32,018

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.
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Table 5.5.B. Revenue from Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through January 2021 and 2020 (Million Dollars)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD
New England	984	931	645	697	167	156	4	6	1,800	1,789
Connecticut	272	257	157	165	30	30	1	2	460	454
Maine	77	81	41	47	20	19	0	0	138	148
Massachusetts	437	404	321	348	75	64	2	3	835	819
New Hampshire	89	88	53	60	21	20	0	0	163	168
Rhode Island	67	63	48	50	8	9	0	0	124	122
Vermont	41	38	25	27	14	13	0	0	80	78
Middle Atlantic	2,038	1,830	1,398	1,449	373	393	33	36	3,842	3,708
New Jersey	425	352	317	359	47	52	2	2	791	765
New York	856	764	819	813	76	70	27	30	1,777	1,677
Pennsylvania	758	715	262	278	250	271	4	4	1,274	1,267
East North Central	2,385	2,179	1,430	1,482	992	961	3	4	4,811	4,626
Illinois	517	495	348	360	236	222	2	4	1,103	1,081
Indiana	413	357	205	204	232	212	0	0	850	773
Michigan	533	463	359	363	156	165	0	0	1,048	992
Ohio	620	560	321	345	238	221	0	0	1,179	1,126
Wisconsin	303	304	197	209	130	141	0	0	630	654
West North Central	1,124	1,110	712	769	504	495	0	0	2,340	2,374
Iowa	161	173	90	104	115	115	0	0	366	392
Kansas	143	134	115	116	63	61	0	0	321	310
Minnesota	276	273	174	188	120	123	0	0	570	585
Missouri	344	320	184	198	65	54	0	0	593	571
Nebraska	94	100	60	68	60	60	0	0	214	228
North Dakota	51	54	53	54	62	66	0	0	165	174
South Dakota	55	57	37	40	19	17	0	0	111	114
South Atlantic	3,984	3,566	2,201	2,259	679	657	7	9	6,871	6,491
Delaware	59	52	30	32	12	12	0	0	100	96
District of Columbia	29	28	68	73	1	1	2	3	101	105
Florida	1,146	1,027	629	656	97	96	0	1	1,872	1,780
Georgia	623	534	360	349	144	129	1	1	1,127	1,012
Maryland	371	344	227	234	21	22	3	4	622	603
North Carolina	658	589	322	333	123	123	0	0	1,103	1,046
South Carolina	366	327	169	171	125	116	0	0	659	615
Virginia	580	540	341	352	84	84	1	2	1,007	978
West Virginia	151	124	57	58	72	74	0	0	279	257
East South Central	1,358	1,166	771	766	446	433	0	0	2,574	2,365
Alabama	392	335	205	199	155	155	0	0	752	689
Kentucky	299	258	155	156	127	113	0	0	581	528
Mississippi	197	175	111	109	71	80	0	0	379	365
Tennessee	470	398	299	301	93	85	0	0	862	784
West South Central	2,184	1,888	1,185	1,180	832	758	1	1	4,203	3,827
Arkansas	180	165	75	71	79	67	0	0	334	303
Louisiana	275	223	169	162	157	139	0	0	601	524
Oklahoma	199	180	114	103	76	72	0	0	389	355
Texas	1,530	1,321	828	844	520	480	1	1	2,879	2,646
Mountain	997	942	674	685	388	389	1	1	2,060	2,016
Arizona	304	288	198	202	64	60	0	0	566	549
Colorado	217	199	161	158	92	93	1	1	470	451
Idaho	97	90	42	41	31	28	0	0	170	159
Montana	62	64	43	45	19	18	0	0	124	126
Nevada	110	107	66	72	46	50	0	0	222	229
New Mexico	84	79	64	66	40	39	0	0	188	184
Utah	90	84	72	72	45	45	0	0	208	201
Wyoming	33	32	28	29	52	56	0	0	113	117
Pacific Contiguous	2,241	2,170	1,618	1,737	567	562	5	7	4,431	4,476
California	1,624	1,575	1,282	1,383	409	413	4	5	3,319	3,376
Oregon	227	214	123	124	67	57	0	0	417	395
Washington	390	381	213	230	90	93	1	1	694	705
Pacific Noncontiguous	119	128	103	119	83	97	0	0	305	344
Alaska	43	52	41	50	17	21	0	0	100	122
Hawaii	76	76	63	70	66	76	0	0	205	222
U.S. Total	17,414	15,910	10,739	11,144	5,030	4,900	54	64	33,237	32,018

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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, January 2021 and 2020 (Cents per Kilowatthour)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
New England	21.00	21.60	15.95	16.26	13.09	12.47	8.48	11.88	17.91	18.09
Connecticut	21.29	22.10	16.37	17.01	13.25	14.02	13.92	16.81	18.63	19.24
Maine	16.50	16.81	12.75	12.70	9.58	9.15	--	--	13.86	13.86
Massachusetts	22.32	22.90	16.27	16.47	14.30	13.07	6.01	9.18	18.61	18.62
New Hampshire	18.93	19.90	15.34	16.03	13.92	13.19	--	--	16.88	17.35
Rhode Island	23.41	24.23	16.67	17.14	16.33	15.56	21.96	16.90	19.74	20.01
Vermont	18.38	19.27	15.91	16.08	11.11	10.77	--	--	15.83	16.04
Middle Atlantic	15.56	15.41	12.10	11.59	6.31	6.40	11.03	10.97	12.45	12.02
New Jersey	16.18	15.43	12.35	11.66	10.59	9.76	9.50	8.37	13.98	12.93
New York	18.27	17.55	14.09	13.11	5.56	5.40	11.63	11.87	14.70	13.85
Pennsylvania	13.09	13.63	8.26	8.59	6.10	6.28	8.72	7.88	9.72	9.87
East North Central	13.17	13.00	10.08	9.88	6.59	6.54	6.25	7.05	10.15	9.94
Illinois	12.30	12.63	8.96	8.69	6.84	6.50	6.05	6.96	9.53	9.37
Indiana	12.25	11.91	11.13	10.74	6.44	6.59	8.83	10.10	9.64	9.52
Michigan	16.92	15.74	11.96	11.28	7.25	7.12	11.38	10.70	12.62	11.69
Ohio	11.83	11.72	9.05	9.15	5.93	5.73	6.55	6.15	9.21	9.08
Wisconsin	14.05	14.31	10.35	10.65	7.12	7.44	15.04	13.97	10.70	10.94
West North Central	10.60	10.75	8.81	8.90	6.53	6.78	7.79	7.68	8.86	9.04
Iowa	10.87	11.72	8.97	9.47	5.56	6.04	--	--	8.04	8.76
Kansas	11.87	11.82	9.82	9.72	6.91	6.79	--	--	9.76	9.64
Minnesota	12.48	12.49	9.69	9.66	7.32	7.28	9.05	9.10	10.09	10.03
Missouri	9.38	9.52	7.69	7.94	6.10	6.02	6.19	6.19	8.32	8.47
Nebraska	9.41	9.59	8.44	8.52	7.09	6.93	--	--	8.37	8.42
North Dakota	9.44	9.01	8.63	8.27	6.63	7.87	--	--	7.94	8.32
South Dakota	10.99	10.67	9.14	9.03	7.70	7.50	--	--	9.65	9.46
South Atlantic	11.36	11.62	8.96	9.10	6.00	5.98	7.91	7.64	9.67	9.74
Delaware	11.77	12.17	8.99	9.25	7.08	6.72	--	--	10.07	10.11
District of Columbia	12.26	12.38	11.66	11.94	7.46	8.13	9.67	9.73	11.68	11.91
Florida	11.65	11.72	9.35	9.26	7.44	7.36	8.12	7.85	10.48	10.37
Georgia	10.94	10.87	9.96	9.45	5.55	5.00	5.13	4.44	9.46	9.04
Maryland	12.61	13.42	9.91	10.00	8.09	7.96	7.61	7.18	11.24	11.54
North Carolina	10.60	11.01	7.90	8.50	5.75	5.94	7.42	7.73	8.88	9.21
South Carolina	11.99	12.26	10.03	9.97	5.61	5.63	--	--	9.48	9.53
Virginia	11.05	11.68	7.36	7.89	6.05	6.62	8.37	8.10	8.91	9.42
West Virginia	11.20	10.89	9.02	8.86	5.86	5.96	--	--	8.73	8.43
East South Central	10.97	11.26	10.70	10.78	5.49	5.49	--	--	9.29	9.33
Alabama	12.38	12.38	11.77	11.59	5.83	5.61	--	--	9.94	9.59
Kentucky	10.46	10.62	10.11	9.97	5.30	5.07	--	--	8.55	8.47
Mississippi	10.88	11.33	10.70	10.89	5.62	5.83	--	--	9.22	9.29
Tennessee	10.36	10.84	10.37	10.71	5.13	5.57	--	--	9.34	9.79
West South Central	10.69	10.86	7.87	7.70	4.92	4.93	6.81	6.73	8.02	7.96
Arkansas	9.42	9.83	8.40	7.95	5.50	4.84	11.85	10.51	7.87	7.66
Louisiana	9.58	9.05	9.49	8.83	5.14	4.74	10.88	9.46	7.80	7.24
Oklahoma	8.92	9.05	7.70	7.11	4.32	4.25	--	--	7.11	6.92
Texas	11.39	11.73	7.58	7.57	4.88	5.13	6.55	6.55	8.22	8.32
Mountain	11.37	11.32	8.92	8.89	5.92	5.66	9.34	8.94	9.00	8.80
Arizona	11.70	11.68	9.34	9.32	5.63	5.35	8.11	8.28	9.67	9.56
Colorado	12.14	11.74	9.71	9.39	7.43	6.82	8.76	8.32	10.03	9.49
Idaho	10.05	9.91	7.60	7.26	5.41	5.21	--	--	8.13	7.90
Montana	10.72	11.15	10.39	10.17	5.27	5.13	--	--	9.14	9.30
Nevada	11.53	11.98	7.23	7.89	4.86	4.86	10.39	7.76	7.90	8.08
New Mexico	12.53	12.08	9.79	9.49	5.33	5.01	--	--	9.05	8.63
Utah	10.04	10.09	7.60	7.76	5.64	5.44	10.62	10.63	7.84	7.77
Wyoming	10.47	10.49	9.43	9.15	6.76	6.50	--	--	8.20	7.89
Pacific Contiguous	16.43	15.56	14.08	13.35	9.45	8.77	9.92	8.70	14.21	13.38
California	21.43	19.93	16.54	15.40	13.00	11.87	9.92	8.55	17.92	16.53
Oregon	11.01	10.69	8.93	8.77	5.76	5.91	9.76	9.09	9.06	9.02
Washington	9.76	9.43	9.01	8.78	5.36	4.70	9.94	9.56	8.62	8.16
Pacific Noncontiguous	26.40	27.22	23.72	24.85	22.43	23.75	--	--	24.30	25.34
Alaska	21.32	22.59	18.34	19.93	15.44	17.99	--	--	18.89	20.60
Hawaii	30.55	31.70	29.30	30.12	25.29	25.99	--	--	28.28	29.03
U.S. Total	12.69	12.79	10.31	10.23	6.35	6.34	9.64	9.67	10.35	10.28

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Table 5.6.B. Average Price of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through January 2021 and 2020 (Cents per Kilowatthour)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD	January 2021 YTD	January 2020 YTD
New England	21.00	21.60	15.95	16.26	13.09	12.47	8.48	11.88	17.91	18.09
Connecticut	21.29	22.10	16.37	17.01	13.25	14.02	13.92	16.81	18.63	19.24
Maine	16.50	16.81	12.75	12.70	9.58	9.15	--	--	13.86	13.86
Massachusetts	22.32	22.90	16.27	16.47	14.30	13.07	6.01	9.18	18.61	18.62
New Hampshire	18.93	19.90	15.34	16.03	13.92	13.19	--	--	16.88	17.35
Rhode Island	23.41	24.23	16.67	17.14	16.33	15.56	21.96	16.90	19.74	20.01
Vermont	18.38	19.27	15.91	16.08	11.11	10.77	--	--	15.83	16.04
Middle Atlantic	15.56	15.41	12.10	11.59	6.31	6.40	11.03	10.97	12.45	12.02
New Jersey	16.18	15.43	12.35	11.66	10.59	9.76	9.50	8.37	13.98	12.93
New York	18.27	17.55	14.09	13.11	5.56	5.40	11.63	11.87	14.70	13.85
Pennsylvania	13.09	13.63	8.26	8.59	6.10	6.28	8.72	7.88	9.72	9.87
East North Central	13.17	13.00	10.08	9.88	6.59	6.54	6.25	7.05	10.15	9.94
Illinois	12.30	12.63	8.96	8.69	6.84	6.50	6.05	6.96	9.53	9.37
Indiana	12.25	11.91	11.13	10.74	6.44	6.59	8.83	10.10	9.64	9.52
Michigan	16.92	15.74	11.96	11.28	7.25	7.12	11.38	10.70	12.62	11.69
Ohio	11.83	11.72	9.05	9.15	5.93	5.73	6.55	6.15	9.21	9.08
Wisconsin	14.05	14.31	10.35	10.65	7.12	7.44	15.04	13.97	10.70	10.94
West North Central	10.60	10.75	8.81	8.90	6.53	6.78	7.79	7.68	8.86	9.04
Iowa	10.87	11.72	8.97	9.47	5.56	6.04	--	--	8.04	8.76
Kansas	11.87	11.82	9.82	9.72	6.91	6.79	--	--	9.76	9.64
Minnesota	12.48	12.49	9.69	9.66	7.32	7.28	9.05	9.10	10.09	10.03
Missouri	9.38	9.52	7.69	7.94	6.10	6.02	6.19	6.19	8.32	8.47
Nebraska	9.41	9.59	8.44	8.52	7.09	6.93	--	--	8.37	8.42
North Dakota	9.44	9.01	8.63	8.27	6.63	7.87	--	--	7.94	8.32
South Dakota	10.99	10.67	9.14	9.03	7.70	7.50	--	--	9.65	9.46
South Atlantic	11.36	11.62	8.96	9.10	6.00	5.98	7.91	7.64	9.67	9.74
Delaware	11.77	12.17	8.99	9.25	7.08	6.72	--	--	10.07	10.11
District of Columbia	12.26	12.38	11.66	11.94	7.46	8.13	9.67	9.73	11.68	11.91
Florida	11.65	11.72	9.35	9.26	7.44	7.36	8.12	7.85	10.48	10.37
Georgia	10.94	10.87	9.96	9.45	5.55	5.00	5.13	4.44	9.46	9.04
Maryland	12.61	13.42	9.91	10.00	8.09	7.96	7.61	7.18	11.24	11.54
North Carolina	10.60	11.01	7.90	8.50	5.75	5.94	7.42	7.73	8.88	9.21
South Carolina	11.99	12.26	10.03	9.97	5.61	5.63	--	--	9.48	9.53
Virginia	11.05	11.68	7.36	7.89	6.05	6.62	8.37	8.10	8.91	9.42
West Virginia	11.20	10.89	9.02	8.86	5.86	5.96	--	--	8.73	8.43
East South Central	10.97	11.26	10.70	10.78	5.49	5.49	--	--	9.29	9.33
Alabama	12.38	12.38	11.77	11.59	5.83	5.61	--	--	9.94	9.59
Kentucky	10.46	10.62	10.11	9.97	5.30	5.07	--	--	8.55	8.47
Mississippi	10.88	11.33	10.70	10.89	5.62	5.83	--	--	9.22	9.29
Tennessee	10.36	10.84	10.37	10.71	5.13	5.57	--	--	9.34	9.79
West South Central	10.69	10.86	7.87	7.70	4.92	4.93	6.81	6.73	8.02	7.96
Arkansas	9.42	9.83	8.40	7.95	5.50	4.84	11.85	10.51	7.87	7.66
Louisiana	9.58	9.05	9.49	8.83	5.14	4.74	10.88	9.46	7.80	7.24
Oklahoma	8.92	9.05	7.70	7.11	4.32	4.25	--	--	7.11	6.92
Texas	11.39	11.73	7.58	7.57	4.88	5.13	6.55	6.55	8.22	8.32
Mountain	11.37	11.32	8.92	8.89	5.92	5.66	9.34	8.94	9.00	8.80
Arizona	11.70	11.68	9.34	9.32	5.63	5.35	8.11	8.28	9.67	9.56
Colorado	12.14	11.74	9.71	9.39	7.43	6.82	8.76	8.32	10.03	9.49
Idaho	10.05	9.91	7.60	7.26	5.41	5.21	--	--	8.13	7.90
Montana	10.72	11.15	10.39	10.17	5.27	5.13	--	--	9.14	9.30
Nevada	11.53	11.98	7.23	7.89	4.86	4.86	10.39	7.76	7.90	8.08
New Mexico	12.53	12.08	9.79	9.49	5.33	5.01	--	--	9.05	8.63
Utah	10.04	10.09	7.60	7.76	5.64	5.44	10.62	10.63	7.84	7.77
Wyoming	10.47	10.49	9.43	9.15	6.76	6.50	--	--	8.20	7.89
Pacific Contiguous	16.43	15.56	14.08	13.35	9.45	8.77	9.92	8.70	14.21	13.38
California	21.43	19.93	16.54	15.40	13.00	11.87	9.92	8.55	17.92	16.53
Oregon	11.01	10.69	8.93	8.77	5.76	5.91	9.76	9.09	9.06	9.02
Washington	9.76	9.43	9.01	8.78	5.36	4.70	9.94	9.56	8.62	8.16
Pacific Noncontiguous	26.40	27.22	23.72	24.85	22.43	23.75	--	--	24.30	25.34
Alaska	21.32	22.59	18.34	19.93	15.44	17.99	--	--	18.89	20.60
Hawaii	30.55	31.70	29.30	30.12	25.29	25.99	--	--	28.28	29.03
U.S. Total	12.69	12.79	10.31	10.23	6.35	6.34	9.64	9.67	10.35	10.28

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.
See Technical Notes for a discussion of the sample design for the Form EIA-826.
Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.
Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.
Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-861M (formerly EIA-826), Monthly Electric Power Industry Report.

Table 5.7. Number of Ultimate Customers Served by Sector: 2011 - January 2021

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	135,249,616	18,694,240	954,222	83	154,898,161
2020	137,050,093	18,769,023	952,138	83	156,771,336
Year 2019					
January	134,845,133	18,650,138	932,601	83	154,427,955
February	133,333,741	18,539,519	914,361	83	152,787,704
March	135,170,833	18,635,772	919,551	83	154,726,239
April	134,920,415	18,640,407	933,498	84	154,494,404
May	135,405,612	18,708,360	954,838	81	155,068,891
June	135,074,042	18,637,617	961,090	83	154,672,832
July	135,468,046	18,735,687	988,365	83	155,192,181
August	135,635,335	18,728,398	983,435	82	155,347,250
Sept	135,291,081	18,691,319	975,412	83	154,957,895
October	136,260,010	18,821,137	972,507	83	156,053,737
November	135,340,521	18,705,003	945,483	84	154,991,091
December	136,250,376	18,836,882	968,966	84	156,056,308
Year 2020					
January	136,242,098	18,726,475	936,515	83	155,905,171
February	135,574,675	18,609,363	920,211	83	155,104,332
March	136,735,189	18,790,044	936,497	83	156,461,813
April	136,709,401	18,747,085	942,662	83	156,399,231
May	136,581,044	18,689,151	942,877	83	156,213,155
June	137,113,150	18,781,260	964,445	83	156,858,938
July	137,828,370	18,838,779	977,660	82	157,644,891
August	137,220,289	18,749,022	966,843	82	156,936,236
Sept	137,510,452	18,789,551	968,527	82	157,268,612
October	137,663,023	18,841,522	956,144	82	157,460,771
November	137,156,251	18,754,436	941,404	82	156,852,173
December	138,267,177	18,911,582	971,869	82	158,150,710
Year 2021					
January	136,888,601	18,847,509	994,542	82	156,730,734
Rolling 12 Months Ending in January					
2020	135,366,009	18,700,548	954,502	83	155,021,142
2021	137,103,969	18,779,109	956,973	82	156,840,133

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 2019 and prior years are final. Values for 2021 and 2020 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: January 2021 and 2020

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
New England	6,499,418	6,487,398	917,118	907,806	22,657	19,581	6	6	7,439,199	7,414,791
Connecticut	1,526,308	1,517,257	155,246	154,679	4,100	4,113	3	3	1,685,657	1,676,052
Maine	724,348	752,992	99,652	100,389	2,530	2,812	0	0	826,530	856,193
Massachusetts	2,850,100	2,819,573	433,622	423,466	10,958	7,649	2	2	3,294,682	3,250,690
New Hampshire	635,569	630,182	109,151	108,905	3,166	3,120	0	0	747,886	742,207
Rhode Island	446,978	451,043	59,977	61,763	1,661	1,746	1	1	508,617	514,553
Vermont	316,115	316,351	59,470	58,604	242	141	0	0	375,827	375,096
Middle Atlantic	16,326,444	16,320,446	2,408,106	2,379,204	33,990	32,872	19	19	18,768,559	18,732,541
New Jersey	3,642,721	3,611,649	524,227	525,612	11,400	11,614	6	6	4,178,354	4,148,881
New York	7,223,020	7,264,293	1,161,861	1,132,558	7,275	6,510	8	8	8,392,164	8,403,369
Pennsylvania	5,460,703	5,444,504	722,018	721,034	15,315	14,748	5	5	6,198,041	6,180,291
East North Central	20,472,774	20,489,924	2,540,640	2,535,680	55,306	47,390	11	11	23,068,731	23,073,005
Illinois	5,344,952	5,349,540	631,332	625,676	5,650	4,016	3	3	5,981,937	5,979,235
Indiana	2,906,702	2,905,747	364,292	360,544	19,133	16,008	1	1	3,290,128	3,282,300
Michigan	4,446,849	4,439,801	544,931	551,593	5,485	NM	2	2	4,997,267	4,996,880
Ohio	5,011,322	5,028,526	637,396	634,245	19,584	17,005	3	3	5,668,305	5,679,779
Wisconsin	2,762,949	2,766,310	362,689	363,622	5,454	NM	2	2	3,131,094	3,134,811
West North Central	9,667,228	9,688,810	1,487,224	1,483,808	123,108	111,793	3	3	11,277,563	11,284,414
Iowa	1,412,916	1,419,374	243,794	248,977	8,281	NM	0	0	1,664,991	1,675,104
Kansas	1,289,684	1,291,103	243,011	236,821	23,829	24,802	0	0	1,556,524	1,552,726
Minnesota	2,480,111	2,455,232	303,366	296,408	8,773	NM	1	1	2,792,251	2,759,844
Missouri	2,821,404	2,850,986	390,920	387,845	9,907	6,521	2	2	3,222,233	3,245,354
Nebraska	866,875	874,050	155,101	162,565	59,395	53,556	0	0	1,081,371	1,090,171
North Dakota	386,025	388,036	76,694	75,451	8,878	8,901	0	0	471,597	472,388
South Dakota	410,213	410,029	74,338	75,741	4,045	NM	0	0	488,596	488,827
South Atlantic	28,852,120	28,490,603	3,866,969	3,837,896	85,376	77,780	13	13	32,804,478	32,406,292
Delaware	447,173	439,342	56,947	55,354	832	564	0	0	504,952	495,260
District of Columbia	294,941	286,238	26,722	26,572	1	1	3	3	321,667	312,814
Florida	9,665,475	9,498,619	1,245,068	1,244,520	23,448	20,147	2	2	10,933,993	10,763,288
Georgia	4,514,613	4,493,956	591,079	590,526	23,528	19,233	1	1	5,129,221	5,103,716
Maryland	2,404,147	2,366,886	257,638	255,934	8,968	8,793	5	5	2,670,758	2,631,618
North Carolina	4,734,942	4,684,573	712,598	710,441	9,807	9,698	1	1	5,457,348	5,404,713
South Carolina	2,391,120	2,361,315	390,923	374,376	3,688	4,167	0	0	2,785,731	2,739,858
Virginia	3,533,787	3,500,271	438,913	434,509	3,700	3,792	1	1	3,976,401	3,938,573
West Virginia	865,922	859,403	147,081	145,664	11,404	11,385	0	0	1,024,407	1,016,452
East South Central	8,601,319	8,589,131	1,439,885	1,418,925	25,860	21,951	0	0	10,067,064	10,030,007
Alabama	2,284,207	2,292,782	369,704	372,091	7,921	8,149	0	0	2,661,832	2,673,022
Kentucky	2,000,419	2,024,880	316,595	308,923	5,966	5,384	0	0	2,322,980	2,339,187
Mississippi	1,311,846	1,326,994	236,287	238,389	10,931	7,551	0	0	1,559,064	1,572,934
Tennessee	3,004,847	2,944,475	517,299	499,522	1,042	867	0	0	3,523,188	3,444,864
West South Central	16,886,875	16,400,088	2,293,234	2,240,472	357,252	329,902	6	6	19,537,367	18,970,468
Arkansas	1,396,285	1,417,124	200,181	194,656	35,469	35,757	2	2	1,631,937	1,647,539
Louisiana	2,116,291	2,125,527	295,269	292,571	19,324	18,328	1	1	2,430,885	2,436,427
Oklahoma	1,800,799	1,815,582	288,681	288,712	19,324	19,372	0	0	2,108,804	2,123,666
Texas	11,573,500	11,041,855	1,509,103	1,464,533	283,135	256,445	3	3	13,365,741	12,762,836
Mountain	10,163,362	10,088,633	1,449,307	1,420,738	94,873	87,779	5	5	11,707,547	11,597,155
Arizona	2,916,164	2,884,635	332,087	328,942	7,345	NM	2	2	3,255,598	3,219,541
Colorado	2,377,576	2,386,749	382,593	369,212	14,682	NM	1	1	2,774,852	2,770,555
Idaho	793,327	771,493	115,819	113,524	28,516	28,657	0	0	937,662	913,674
Montana	526,527	523,535	111,953	113,375	9,669	NM	0	0	648,149	643,218
Nevada	1,239,939	1,216,294	170,666	168,055	3,053	NM	1	1	1,413,659	1,387,543
New Mexico	894,739	917,008	144,503	141,147	9,224	NM	0	0	1,048,466	1,066,783
Utah	1,137,386	1,110,805	133,705	127,183	10,925	10,570	1	1	1,282,017	1,248,559
Wyoming	277,704	278,114	57,981	59,300	11,459	9,868	0	0	347,144	347,282
Pacific Contiguous	18,684,894	18,956,458	2,330,900	2,386,858	194,328	205,258	19	20	21,210,141	21,548,594
California	13,709,714	14,019,368	1,691,379	1,738,847	143,629	150,405	12	13	15,544,734	15,908,633
Oregon	1,797,982	1,795,442	243,950	243,371	24,744	26,271	2	2	2,066,678	2,065,086
Washington	3,177,198	3,141,648	395,571	404,640	25,955	28,582	5	5	3,598,729	3,574,875
Pacific Noncontiguous	734,167	730,607	114,126	115,088	1,792	NM	0	0	850,085	847,904
Alaska	287,726	291,408	54,461	55,189	985	NM	0	0	343,172	347,988
Hawaii	446,441	439,199	59,665	59,899	807	818	0	0	506,913	499,916
U.S. Total	136,888,601	136,242,098	18,847,509	18,726,475	994,542	936,515	82	83	156,730,734	155,905,171

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.
NM = Not Meaningful due to large relative standard error or excessive percentage change.
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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), December 2020 to January 2021

		As of End of December 2020	Activity During January 2021 as Reported to EIA		As of End of January 2021	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*	*117,714.8*	*1,791.1*	*139.5*	*119,366.4*	*1,651.6*	*1,651.6*	*15,185.5*	*3,240.2*	*15,245.9*	*0.0*	*11.6*	*3,240.2*	*15,234.3*	*122,606.6*	*134,600.7*
..... *Offshore Wind (Summer Capacity)*	*Utility Scale Facilities*	*29.3*	*12.0*	*0.0*	*41.3*	*12.0*	*12.0*	*12.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*41.3*	*41.3*
..... Wind (Summer Capacity)	Utility Scale Facilities	117,744.1	1,803.1	139.5	119,407.7	1,663.6	1,663.6	15,197.5	3,240.2	15,245.9	0.0	11.6	3,240.2	15,234.3	122,647.9	134,642.0
..... *Solar Photovoltaic*	*Utility Scale Facilities*	*46,090.1*	*429.9*	*6.4*	*46,513.6*	*423.5*	*423.5*	*9,430.7*	*1,487.0*	*16,316.8*	*0.0*	*0.0*	*1,487.0*	*16,316.8*	*48,000.6*	*62,830.4*
..... *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*	*180.0*	*0.0*	*-180.0*	*1,352.5*	*1,172.5*
..... *Solar Thermal with Energy Storage*	*Utility Scale Facilities*	*405.6*	*0.0*	*0.0*	*405.6*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*405.6*	*405.6*
..... Solar Subtotal	Utility Scale Facilities	47,848.2	429.9	6.4	48,271.7	423.5	423.5	9,430.7	1,487.0	16,316.8	0.0	180.0	1,487.0	16,136.8	49,758.7	64,408.5
..... Conventional Hydroelectric	Utility Scale Facilities	79,946.4	78.4	63.4	79,961.4	15.0	15.0	179.7	1.5	123.1	0.0	8.4	1.5	114.7	79,962.9	80,076.1
..... *Wood/Wood Waste Biomass*	*Utility Scale Facilities*	*8,364.8*	*28.5*	*73.5*	*8,319.8*	*-45.0*	*-45.0*	*-45.0*	*0.0*	*0.0*	*0.0*	*163.0*	*0.0*	*-163.0*	*8,319.8*	*8,156.8*
..... *Landfill Gas*	*Utility Scale Facilities*	*1,915.8*	*1.4*	*7.4*	*1,909.8*	*-6.0*	*-6.0*	*-84.9*	*0.0*	*2.0*	*0.0*	*4.2*	*0.0*	*-2.2*	*1,909.8*	*1,907.6*
..... *Municipal Solid Waste*	*Utility Scale Facilities*	*2,120.7*	*0.0*	*0.0*	*2,120.7*	*0.0*	*0.0*	*0.0*	*0.0*	*8.0*	*0.0*	*0.0*	*0.0*	*8.0*	*2,120.7*	*2,128.7*
..... *Other Waste Biomass*	*Utility Scale Facilities*	*634.6*	*0.0*	*1.2*	*633.4*	*-1.2*	*-1.2*	*11.8*	*0.0*	*42.4*	*0.0*	*0.0*	*0.0*	*42.4*	*633.4*	*675.8*
..... Biomass Sources Subtotal	Utility Scale Facilities	13,035.9	29.9	82.1	12,983.7	-52.2	-52.2	-118.1	0.0	52.4	0.0	167.2	0.0	-114.8	12,983.7	12,868.9
..... Geothermal	Utility Scale Facilities	2,587.2	0.0	3.7	2,583.5	-3.7	-3.7	28.1	0.0	42.0	0.0	0.0	0.0	42.0	2,583.5	2,625.5
... Renewable Sources Subtotal	***Utility Scale Facilities***	***261,161.8***	***2,341.3***	***295.1***	***263,208.0***	***2,046.2***	***2,046.2***	***24,717.9***	***4,728.7***	***31,780.2***	***0.0***	***367.2***	***4,728.7***	***31,413.0***	***267,936.7***	***294,621.0***
..... *Natural Gas Fired Combined Cycle*	*Utility Scale Facilities*	*276,068.6*	*1,709.2*	*581.8*	*277,196.0*	*1,127.4*	*1,127.4*	*6,551.1*	*0.0*	*3,260.5*	*0.0*	*157.6*	*0.0*	*3,102.9*	*277,196.0*	*280,298.9*
..... *Natural Gas Fired Combustion Turbine*	*Utility Scale Facilities*	*129,355.4*	*79.7*	*186.6*	*129,248.5*	*-106.9*	*-106.9*	*20.9*	*592.4*	*2,147.6*	*19.0*	*490.0*	*573.4*	*1,657.6*	*129,821.9*	*130,906.1*
..... *Natural Gas Steam Turbine*	*Utility Scale Facilities*	*71,670.4*	*1,106.9*	*497.2*	*72,280.1*	*609.7*	*609.7*	*230.6*	*0.0*	*18.2*	*0.0*	*449.1*	*0.0*	*-430.9*	*72,280.1*	*71,849.2*
..... *Natural Gas Internal Combustion Engine*	*Utility Scale Facilities*	*5,154.9*	*5.6*	*2.7*	*5,157.8*	*2.9*	*2.9*	*142.8*	*60.2*	*94.8*	*0.0*	*17.3*	*60.2*	*77.5*	*5,218.0*	*5,235.3*
..... *Natural Gas with Compressed Air Storage*	*Utility Scale Facilities*	*110.0*	*0.0*	*0.0*	*110.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*110.0*	*110.0*
..... *Other Natural Gas*	*Utility Scale Facilities*	*230.7*	*0.0*	*0.0*	*230.7*	*0.0*	*0.0*	*2.4*	*0.0*	*23.2*	*0.0*	*0.0*	*0.0*	*23.2*	*230.7*	*253.9*
..... Natural Gas Subtotal	Utility Scale Facilities	482,590.0	2,901.4	1,268.3	484,223.1	1,633.1	1,633.1	6,947.8	652.6	5,544.3	19.0	1,114.0	633.6	4,430.3	484,856.7	488,653.4
..... *Conventional Steam Coal*	*Utility Scale Facilities*	*217,668.0*	*205.0*	*1,981.7*	*215,891.3*	*-1,776.7*	*-1,776.7*	*-8,951.9*	*0.0*	*11.0*	*75.0*	*4,828.9*	*-75.0*	*-4,817.9*	*215,816.3*	*211,073.4*
..... *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	218,424.0	205.0	1,981.7	216,647.3	-1,776.7	-1,776.7	-8,951.9	0.0	11.0	75.0	4,828.9	-75.0	-4,817.9	216,572.3	211,829.4
..... Petroleum Coke	Utility Scale Facilities	1,384.9	0.0	0.0	1,384.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,384.9	1,384.9
..... Petroleum Liquids	Utility Scale Facilities	28,724.3	50.5	66.1	28,708.7	-15.6	-15.6	-1,126.2	7.0	20.7	0.0	61.5	7.0	-40.8	28,715.7	28,667.9
..... Other Gases	Utility Scale Facilities	2,507.2	0.0	22.5	2,484.7	-22.5	-22.5	-22.5	0.0	0.0	0.0	0.0	0.0	0.0	2,484.7	2,484.7
... Fossil Fuels Subtotal	***Utility Scale Facilities***	***733,630.4***	***3,156.9***	***3,338.6***	***733,448.7***	***-181.7***	***-181.7***	***-3,152.8***	***659.6***	***5,576.0***	***94.0***	***6,004.4***	***565.6***	***-428.4***	***734,014.3***	***733,020.3***
..... Hydroelectric Pumped Storage	Utility Scale Facilities	22,893.6	34.0	4.2	22,923.4	29.8	29.8	145.1	0.0	165.3	0.0	0.0	0.0	165.3	22,923.4	23,088.7
..... 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	1,642.6	170.2	214.6	1,598.2	-44.4	-44.4	371.5	130.9	4,164.2	0.0	0.0	130.9	4,164.2	1,729.1	5,762.4
... Energy Storage Subtotal	***Utility Scale Facilities***	***24,583.2***	***204.2***	***218.8***	***24,568.6***	***-14.6***	***-14.6***	***516.6***	***130.9***	***4,329.5***	***0.0***	***0.0***	***130.9***	***4,329.5***	***24,699.5***	***28,898.1***
... Nuclear	***Utility Scale Facilities***	***96,554.8***	***47.4***	***164.7***	***96,437.5***	***-117.3***	***-117.3***	***-1,690.2***	***0.0***	***1,100.0***	***0.0***	***5,133.3***	***0.0***	***-4,033.3***	***96,437.5***	***92,404.2***
... All Other	***Utility Scale Facilities***	***1,544.6***	***17.9***	***38.5***	***1,524.0***	***-20.6***	***-20.6***	***-20.6***	***0.0***	***0.0***	***0.0***	***0.0***	***0.0***	***0.0***	***1,524.0***	***1,524.0***
TOTAL	**UTILITY SCALE FACILITIES**	**1,117,474.8**	**5,767.7**	**4,055.7**	**1,119,186.8**	**1,712.0**	**1,712.0**	**20,370.9**	**5,519.2**	**42,785.7**	**94.0**	**11,504.9**	**5,425.2**	**31,280.8**	**1,124,612.0**	**1,150,467.6**
..... *Estimated Small Scale Solar Photovoltaic*	*Small Scale Facilities*	*27,723.6*			*28,225.0*	*501.4*	*501.4*	*4,476.8*								
..... Estimated Total Solar Photovoltaic	All Facilities	73,813.7			74,738.6	924.9	924.9	13,907.5								
... Estimated Total Solar	***All Facilities***	***75,571.8***			***76,496.7***	***924.9***	***924.9***	***13,907.5***								

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 - January 2021

Period	Utility Solar Photovoltaic	Estimated Small Scale Solar Photovoltaic	Estimated Total Solar Photovoltaic
Annual Totals			
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	35,710.2	23,213.6	58,923.8
2020	46,090.1	27,723.6	73,813.7
Year 2019			
January	30,911.4	19,697.8	50,609.2
February	31,124.1	19,941.5	51,065.6
March	31,355.0	20,254.3	51,609.3
April	31,466.6	20,506.0	51,972.6
May	31,528.4	20,811.4	52,339.8
June	31,811.5	21,073.0	52,884.5
July	32,079.3	21,407.6	53,486.9
August	32,302.5	21,724.6	54,027.1
Sept	32,556.1	22,031.1	54,587.2
October	33,001.5	22,357.7	55,359.2
November	33,658.4	22,666.6	56,325.0
December	35,710.2	23,213.6	58,923.8
Year 2020			
January	37,082.9	23,748.2	60,831.1
February	37,497.6	24,038.5	61,536.1
March	37,728.0	24,355.0	62,083.0
April	38,389.9	24,665.2	63,055.1
May	38,762.1	24,927.4	63,689.5
June	39,989.1	25,254.9	65,244.0
July	40,406.0	25,591.3	65,997.3
August	41,009.0	25,973.3	66,982.3
Sept	41,621.0	26,263.6	67,884.6
October	41,988.5	26,674.0	68,662.5
November	42,835.4	27,048.7	69,884.1
December	46,090.1	27,723.6	73,813.7
Year 2021			
January	46,513.6	28,225.0	74,738.6

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 - January 2021

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	14,249.0	7,167.9	1,796.6	23,213.6
2020	17,237.6	8,430.4	2,055.7	27,723.6
Year 2019				
January	11,909.0	6,209.1	1,579.7	19,697.8
February	12,080.2	6,270.5	1,590.9	19,941.5
March	12,281.3	6,361.9	1,611.1	20,254.3
April	12,460.8	6,406.0	1,639.3	20,506.0
May	12,656.9	6,487.7	1,666.7	20,811.4
June	12,847.0	6,538.0	1,688.0	21,073.0
July	13,095.9	6,614.7	1,697.0	21,407.6
August	13,314.5	6,697.1	1,713.0	21,724.6
Sept	13,534.1	6,761.3	1,735.6	22,031.1
October	13,769.0	6,838.6	1,750.0	22,357.7
November	13,993.3	6,908.0	1,765.4	22,666.6
December	14,249.0	7,167.9	1,796.6	23,213.6
Year 2020				
January	14,621.0	7,310.3	1,816.9	23,748.2
February	14,838.8	7,361.7	1,838.1	24,038.5
March	15,071.2	7,424.6	1,859.2	24,355.0
April	15,287.7	7,508.1	1,869.4	24,665.2
May	15,480.2	7,563.2	1,884.0	24,927.4
June	15,688.9	7,642.4	1,923.6	25,254.9
July	15,906.5	7,732.6	1,952.1	25,591.3
August	16,137.5	7,867.7	1,968.1	25,973.3
Sept	16,372.6	7,909.5	1,981.5	26,263.6
October	16,644.8	8,029.6	1,999.7	26,674.0
November	16,894.2	8,135.8	2,018.7	27,048.7
December	17,237.6	8,430.4	2,055.7	27,723.6
Year 2021				
January	17,543.9	8,618.0	2,063.1	28,225.0

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, January 2021 and 2020 (Megawatts)

Census Division and State	Renewable Sources		Fossil Fuels		Hydroelectric Pumped Storage		Other Energy Storage		Nuclear		All Other Sources		All Sources	
	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
New England	6,382.4	6,118.8	24,177.7	24,239.3	1,797.4	1,797.4	96.4	59.1	3,323.5	3,323.5	22.0	48.0	35,799.4	35,586.1
Connecticut	483.3	457.7	7,896.1	7,891.8	29.4	29.4	1.6	1.6	2,073.1	2,073.1	0.0	26.0	10,483.5	10,479.6
Maine	2,363.5	2,240.4	2,499.3	2,499.3	0.0	0.0	16.2	16.2	0.0	0.0	22.0	22.0	4,901.0	4,777.9
Massachusetts	1,626.2	1,556.3	9,520.8	9,589.7	1,768.0	1,768.0	67.7	30.4	0.0	0.0	0.0	0.0	12,982.7	12,944.4
New Hampshire	956.9	956.9	2,289.9	2,289.9	0.0	0.0	0.0	0.0	1,250.4	1,250.4	0.0	0.0	4,497.2	4,497.2
Rhode Island	265.5	222.8	1,835.1	1,832.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,100.6	2,054.9
Vermont	687.0	684.7	136.5	136.5	0.0	0.0	10.9	10.9	0.0	0.0	0.0	0.0	834.4	832.1
Middle Atlantic	11,781.0	11,653.3	74,244.9	73,028.3	3,379.1	3,383.3	158.6	147.5	16,799.6	17,950.4	11.2	11.2	106,374.4	106,174.0
New Jersey	1,164.7	1,136.7	12,231.4	12,241.0	420.0	420.0	42.1	42.1	3,467.1	3,467.1	11.2	11.2	17,336.5	17,318.1
New York	7,653.4	7,546.8	26,850.8	26,659.8	1,407.1	1,411.3	68.1	57.0	4,239.3	5,390.1	0.0	0.0	40,218.7	41,065.0
Pennsylvania	2,962.9	2,969.8	35,162.7	34,127.5	1,552.0	1,552.0	48.4	48.4	9,093.2	9,093.2	0.0	0.0	48,819.2	47,790.9
East North Central	16,329.8	13,423.9	107,695.5	109,210.4	2,249.0	2,232.0	204.7	194.7	19,000.0	19,004.0	174.6	187.1	145,653.6	144,252.1
Illinois	6,574.3	5,397.1	26,758.6	27,092.9	0.0	0.0	132.7	132.7	11,582.4	11,582.4	78.0	78.0	45,126.0	44,283.1
Indiana	3,357.0	2,691.1	23,849.1	23,865.6	0.0	0.0	38.0	28.0	0.0	0.0	88.0	88.0	27,332.1	26,672.7
Michigan	3,614.0	3,014.7	19,824.6	20,070.2	2,249.0	2,232.0	1.0	1.0	4,086.5	4,086.5	0.0	0.0	29,775.1	29,404.4
Ohio	1,204.6	1,193.1	23,666.8	25,223.7	0.0	0.0	33.0	33.0	2,134.0	2,134.0	0.0	0.0	27,038.4	28,583.8
Wisconsin	1,579.9	1,127.9	13,596.4	12,958.0	0.0	0.0	0.0	0.0	1,197.1	1,201.1	8.6	21.1	16,382.0	15,308.1
West North Central	38,729.6	33,156.5	59,159.9	59,395.2	657.0	657.0	20.4	20.1	4,842.0	5,443.4	22.8	22.8	103,431.7	98,695.0
Iowa	11,474.1	10,415.7	9,808.1	9,839.5	0.0	0.0	1.4	1.1	0.0	601.4	0.0	0.0	21,283.6	20,857.7
Kansas	6,907.2	6,159.6	9,000.4	9,006.3	0.0	0.0	0.0	0.0	1,225.0	1,225.0	0.8	0.8	17,133.4	16,391.7
Minnesota	6,085.8	5,322.5	10,379.1	10,388.4	0.0	0.0	16.0	16.0	1,657.0	1,657.0	16.7	16.7	18,154.6	17,400.6
Missouri	2,608.5	1,580.6	17,436.0	17,629.1	657.0	657.0	2.2	2.2	1,190.0	1,190.0	0.0	0.0	21,893.7	21,058.9
Nebraska	2,898.9	2,499.5	6,200.9	6,196.5	0.0	0.0	0.0	0.0	770.0	770.0	0.0	0.0	9,869.8	9,466.0
North Dakota	4,846.5	4,198.3	4,634.3	4,634.3	0.0	0.0	0.0	0.0	0.0	0.0	5.3	5.3	9,486.1	8,837.9
South Dakota	3,908.6	2,980.3	1,701.1	1,701.1	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.0	5,610.5	4,682.2
South Atlantic	26,498.8	22,848.4	158,798.5	160,992.4	8,020.4	7,906.4	89.5	81.5	24,764.6	24,706.6	468.9	468.9	218,640.7	217,004.2
Delaware	50.9	50.9	3,321.5	3,321.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,372.4	3,372.4
District of Columbia	21.3	19.8	20.6	20.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.9	40.4
Florida	5,070.2	3,817.4	52,890.0	53,017.2	0.0	0.0	19.0	19.0	3,666.0	3,626.0	312.9	312.9	61,958.1	60,792.5
Georgia	5,194.6	4,605.3	26,096.9	26,100.8	1,897.4	1,863.4	2.2	1.0	4,061.0	4,061.0	0.0	0.0	37,252.1	36,631.5
Maryland	1,267.2	1,241.9	10,793.2	11,650.7	0.0	0.0	5.0	7.0	1,725.8	1,707.8	6.0	6.0	13,797.2	14,613.4
North Carolina	7,955.5	7,308.2	22,160.8	22,090.8	86.0	86.0	9.8	1.0	5,149.6	5,149.6	54.0	54.0	35,415.7	34,689.6
South Carolina	2,938.2	2,527.6	11,763.8	12,143.1	2,796.0	2,716.0	4.0	4.0	6,594.2	6,594.2	0.0	0.0	24,096.2	23,984.9
Virginia	2,914.4	2,247.0	18,017.6	18,909.8	3,241.0	3,241.0	0.0	0.0	3,568.0	3,568.0	96.0	96.0	27,837.0	28,061.8
West Virginia	1,086.5	1,030.3	13,734.1	13,737.9	0.0	0.0	49.5	49.5	0.0	0.0	0.0	0.0	14,870.1	14,817.7
East South Central	8,908.2	8,893.0	60,333.2	61,780.6	1,616.3	1,616.3	1.0	1.0	11,449.1	11,449.1	1.4	1.4	82,309.2	83,741.4
Alabama	4,116.1	4,100.8	19,066.8	19,623.4	0.0	0.0	1.0	1.0	5,525.4	5,525.4	0.0	0.0	28,709.3	29,250.6
Kentucky	1,247.5	1,247.6	16,363.5	17,276.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17,611.0	18,524.5
Mississippi	520.5	520.5	12,660.6	12,638.0	0.0	0.0	0.0	0.0	1,401.0	1,401.0	1.4	1.4	14,583.5	14,560.9
Tennessee	3,024.1	3,024.1	12,242.3	12,242.3	1,616.3	1,616.3	0.0	0.0	4,522.7	4,522.7	0.0	0.0	21,405.4	21,405.4
West South Central	49,187.3	43,243.1	140,666.1	138,797.7	286.0	286.0	250.6	343.6	8,930.7	8,910.7	548.6	548.6	199,869.3	192,129.7
Arkansas	1,714.7	1,642.7	11,295.0	11,267.0	28.0	28.0	12.0	12.0	1,817.8	1,817.8	0.0	0.0	14,867.5	14,767.5
Louisiana	688.6	638.6	22,662.1	21,261.9	0.0	0.0	0.5	0.5	2,132.9	2,132.9	329.6	329.6	25,813.7	24,363.5
Oklahoma	10,286.9	9,139.2	18,185.8	17,978.6	258.0	258.0	10.0	0.0	0.0	0.0	0.0	0.0	28,740.7	27,375.8
Texas	36,497.1	31,822.6	88,523.2	88,290.2	0.0	0.0	228.1	331.1	4,980.0	4,960.0	219.0	219.0	130,447.4	125,622.9
Mountain	32,291.2	28,555.1	58,627.8	59,453.1	797.1	778.8	53.0	54.3	3,937.0	3,937.0	123.7	123.7	95,829.8	92,902.0
Arizona	5,993.3	5,443.3	16,854.7	17,414.7	216.3	216.3	42.0	42.0	3,937.0	3,937.0	0.0	0.0	27,043.3	27,053.3
Colorado	6,113.2	5,092.0	10,931.4	10,932.9	580.8	562.5	9.2	10.5	0.0	0.0	9.1	9.1	17,643.7	16,607.0
Idaho	4,078.5	4,075.3	1,121.8	1,121.8	0.0	0.0	0.0	0.0	0.0	0.0	14.8	14.8	5,215.1	5,211.9
Montana	3,699.3	3,595.5	2,125.1	2,125.1	0.0	0.0	0.0	0.0	0.0	0.0	40.0	40.0	5,864.4	5,760.6
Nevada	4,185.8	4,008.4	7,821.6	7,821.6	0.0	0.0	0.0	0.0	0.0	0.0	6.5	6.5	12,013.9	11,836.5
New Mexico	3,388.6	2,806.1	5,709.4	5,964.4	0.0	0.0	1.8	1.8	0.0	0.0	0.7	0.7	9,100.5	8,773.0
Utah	1,928.5	1,649.5	7,294.5	7,303.3	0.0	0.0	0.0	0.0	0.0	0.0	40.2	40.2	9,263.2	8,993.0
Wyoming	2,904.0	1,885.0	6,769.3	6,769.3	0.0	0.0	0.0	0.0	0.0	0.0	12.4	12.4	9,685.7	8,666.7
Pacific Contiguous	71,811.3	69,346.6	45,404.5	45,370.0	4,121.1	4,121.1	662.8	263.7	3,391.0	3,403.0	124.2	106.3	125,514.9	122,610.7
California	33,681.0	32,153.4	37,602.7	36,313.2	3,807.1	3,807.1	652.8	252.5	2,240.0	2,240.0	124.2	106.3	78,107.8	74,872.5
Oregon	13,001.9	12,470.0	3,730.2	4,315.2	0.0	0.0	5.0	5.0	0.0	0.0	0.0	0.0	16,737.1	16,790.2
Washington	25,128.4	24,723.2	4,071.6	4,741.6	314.0	314.0	5.0	6.2	1,151.0	1,163.0	0.0	0.0	30,670.0	30,948.0
Pacific Noncontiguous	1,288.4	1,251.4	4,340.6	4,334.5	0.0	0.0	108.2	108.2	0.0	0.0	26.6	26.6	5,763.8	5,720.7
Alaska	542.4	538.6	2,180.7	2,174.6	0.0	0.0	47.2	47.2	0.0	0.0	0.0	0.0	2,770.3	2,760.4
Hawaii	746.0	712.8	2,159.9	2,159.9	0.0	0.0	61.0	61.0	0.0	0.0	26.6	26.6	2,993.5	2,960.3
U.S. Total	263,208.0	238,490.1	733,448.7	736,601.5	22,923.4	22,778.3	1,645.2	1,273.7	96,437.5	98,127.7	1,524.0	1,544.6	1,119,186.8	1,098,815.9

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, January 2021 and 2020 (Megawatts)

Census Division and State	Summer Capacity at Utility Scale Facilities														Small Scale Capacity		Capacity From Utility and Small Scale Facilities			
	Wind		Solar Photovoltaic		Solar Thermal		Conventional Hydroelectric		Biomass Sources		Geothermal		Total Renewable Sources		Estimated Solar Photovoltaic		Estimated Total Solar Photovoltaic		Estimated Total Solar	
	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
New England	1,535.8	1,463.2	1,471.5	1,281.0	0.0	0.0	1,957.7	1,957.6	1,417.4	1,417.0	0.0	0.0	6,382.4	6,118.8	3,023.7	2,606.9	4,495.2	3,887.9	4,495.2	3,887.9
Connecticut	1.0	1.0	163.0	137.4	0.0	0.0	119.4	119.4	199.9	199.9	0.0	0.0	483.3	457.7	612.8	521.4	775.8	658.8	775.8	658.8
Maine	994.2	921.6	64.9	15.5	0.0	0.0	734.0	734.0	570.4	569.3	0.0	0.0	2,363.5	2,240.4	73.9	55.5	138.8	71.0	138.8	71.0
Massachusetts	105.7	105.7	970.0	899.4	0.0	0.0	266.3	266.3	284.2	284.9	0.0	0.0	1,626.2	1,556.3	1,843.5	1,618.7	2,813.5	2,518.1	2,813.5	2,518.1
New Hampshire	211.9	211.9	0.0	0.0	0.0	0.0	504.0	504.0	241.0	241.0	0.0	0.0	956.9	956.9	122.5	104.0	122.5	104.0	122.5	104.0
Rhode Island	72.8	72.8	149.9	107.2	0.0	0.0	2.7	2.7	40.1	40.1	0.0	0.0	265.5	222.8	234.8	184.1	384.7	291.3	384.7	291.3
Vermont	150.2	150.2	123.7	121.5	0.0	0.0	331.3	331.2	81.8	81.8	0.0	0.0	687.0	684.7	136.2	123.3	259.9	244.8	259.9	244.8
Middle Atlantic	3,453.7	3,453.4	1,748.2	1,542.0	0.0	0.0	5,471.6	5,470.4	1,107.5	1,187.5	0.0	0.0	11,781.0	11,653.3	4,207.3	3,655.1	5,955.5	5,197.1	5,955.5	5,197.1
New Jersey	7.6	7.6	951.0	907.9	0.0	0.0	12.3	12.3	193.8	208.9	0.0	0.0	1,164.7	1,136.7	1,883.9	1,694.2	2,834.9	2,602.1	2,834.9	2,602.1
New York	1,986.1	1,985.8	648.3	543.2	0.0	0.0	4,559.7	4,558.5	459.3	459.3	0.0	0.0	7,653.4	7,546.8	1,858.0	1,571.9	2,506.3	2,115.1	2,506.3	2,115.1
Pennsylvania	1,460.0	1,460.0	148.9	90.9	0.0	0.0	899.6	899.6	454.4	519.3	0.0	0.0	2,962.9	2,969.8	465.3	389.0	614.2	479.9	614.2	479.9
East North Central	13,370.5	10,841.7	924.1	539.5	0.0	0.0	877.5	879.8	1,157.7	1,162.9	0.0	0.0	16,329.8	13,423.9	1,132.0	653.3	2,056.1	1,192.8	2,056.1	1,192.8
Illinois	6,329.0	5,231.0	123.0	43.8	0.0	0.0	34.1	34.1	88.2	88.2	0.0	0.0	6,574.3	5,397.1	545.1	220.6	668.1	264.4	668.1	264.4
Indiana	2,940.4	2,309.8	278.2	244.3	0.0	0.0	66.2	66.2	72.2	70.8	0.0	0.0	3,357.0	2,691.1	131.7	96.9	409.9	341.2	409.9	341.2
Michigan	2,634.3	2,137.7	207.0	102.0	0.0	0.0	264.7	268.6	508.0	506.4	0.0	0.0	3,614.0	3,014.7	130.4	95.9	337.4	197.9	337.4	197.9
Ohio	852.5	843.5	111.5	109.0	0.0	0.0	101.9	101.9	138.7	138.7	0.0	0.0	1,204.6	1,193.1	203.4	161.6	314.9	270.6	314.9	270.6
Wisconsin	614.3	319.7	204.4	40.4	0.0	0.0	410.6	409.0	350.6	358.8	0.0	0.0	1,579.9	1,127.9	121.3	78.1	325.7	118.5	325.7	118.5
West North Central	33,848.3	28,405.4	1,178.5	1,026.0	0.0	0.0	3,304.1	3,304.1	398.7	421.0	0.0	0.0	38,729.6	33,156.5	545.6	456.2	1,724.1	1,482.2	1,724.1	1,482.2
Iowa	11,289.1	10,235.3	18.0	13.4	0.0	0.0	146.4	146.4	20.6	20.6	0.0	0.0	11,474.1	10,415.7	150.8	124.3	168.8	137.7	168.8	137.7
Kansas	6,861.0	6,133.4	30.2	10.2	0.0	0.0	7.0	7.0	9.0	9.0	0.0	0.0	6,907.2	6,159.6	33.7	26.1	63.9	36.3	63.9	36.3
Minnesota	4,509.3	3,847.2	1,037.9	914.4	0.0	0.0	214.5	214.5	324.1	346.4	0.0	0.0	6,085.8	5,322.5	107.2	84.5	1,145.1	998.9	1,145.1	998.9
Missouri	1,982.2	954.3	63.7	63.7	0.0	0.0	548.5	548.5	14.1	14.1	0.0	0.0	2,608.5	1,580.6	238.5	208.5	302.2	272.2	302.2	272.2
Nebraska	2,575.8	2,180.8	27.7	23.3	0.0	0.0	279.7	279.7	15.7	15.7	0.0	0.0	2,898.9	2,499.5	13.7	11.3	41.4	34.6	41.4	34.6
North Dakota	4,326.7	3,678.5	0.0	0.0	0.0	0.0	510.0	510.0	9.8	9.8	0.0	0.0	4,846.5	4,198.3	0.7	0.5	0.7	0.5	0.7	0.5
South Dakota	2,304.2	1,375.9	1.0	1.0	0.0	0.0	1,598.0	1,598.0	5.4	5.4	0.0	0.0	3,908.6	2,980.3	1.1	0.9	2.1	1.9	2.1	1.9
South Atlantic	1,154.5	1,086.3	13,871.0	10,237.3	0.0	0.0	7,146.2	7,189.2	4,327.1	4,335.6	0.0	0.0	26,498.8	22,848.4	2,693.3	2,177.2	16,564.3	12,414.5	16,564.3	12,414.5
Delaware	2.0	2.0	36.7	36.7	0.0	0.0	0.0	0.0	12.2	12.2	0.0	0.0	50.9	50.9	89.2	85.9	125.9	122.6	125.9	122.6
District of Columbia	0.0	0.0	9.3	7.8	0.0	0.0	0.0	0.0	12.0	12.0	0.0	0.0	21.3	19.8	84.5	67.7	93.8	75.5	93.8	75.5
Florida	0.0	0.0	3,842.6	2,589.8	0.0	0.0	43.5	43.5	1,184.1	1,184.1	0.0	0.0	5,070.2	3,817.4	798.6	517.5	4,641.2	3,107.3	4,641.2	3,107.3
Georgia	0.0	0.0	2,149.8	1,514.5	0.0	0.0	1,985.0	2,031.0	1,059.8	1,059.8	0.0	0.0	5,194.6	4,605.3	NM	184.5	NM	1,699.0	NM	1,699.0
Maryland	190.0	190.0	346.3	321.0	0.0	0.0	590.0	590.0	140.9	140.9	0.0	0.0	1,267.2	1,241.9	831.7	781.2	1,178.0	1,102.2	1,178.0	1,102.2
North Carolina	208.0	208.0	5,184.0	4,530.2	0.0	0.0	2,008.0	2,006.0	555.5	564.0	0.0	0.0	7,955.5	7,308.2	241.1	190.9	5,425.1	4,721.1	5,425.1	4,721.1
South Carolina	0.0	0.0	1,070.8	661.2	0.0	0.0	1,312.9	1,311.9	554.5	554.5	0.0	0.0	2,938.2	2,527.6	267.7	233.4	1,338.5	894.6	1,338.5	894.6
Virginia	12.0	0.0	1,231.5	576.1	0.0	0.0	866.0	866.0	804.9	804.9	0.0	0.0	2,914.4	2,247.0	166.7	106.8	1,398.2	682.9	1,398.2	682.9
West Virginia	742.5	686.3	0.0	0.0	0.0	0.0	340.8	340.8	3.2	3.2	0.0	0.0	1,086.5	1,030.3	11.4	9.2	11.4	9.2	11.4	9.2
East South Central	29.1	29.1	620.5	620.5	0.0	0.0	7,055.3	7,055.3	1,203.3	1,188.1	0.0	0.0	8,908.2	8,893.0	115.6	108.3	736.1	728.8	736.1	728.8
Alabama	0.0	0.0	194.1	194.1	0.0	0.0	3,291.8	3,291.8	630.2	614.9	0.0	0.0	4,116.1	4,100.8	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	74.5	74.6	0.0	0.0	1,247.5	1,247.6	36.2	30.6	62.3	56.7	62.3	56.7
Mississippi	0.0	0.0	218.1	218.1	0.0	0.0	0.0	0.0	302.4	302.4	0.0	0.0	520.5	520.5	9.2	8.8	227.3	226.9	227.3	226.9
Tennessee	29.1	29.1	182.2	182.2	0.0	0.0	2,616.6	2,616.6	196.2	196.2	0.0	0.0	3,024.1	3,024.1	60.8	60.2	243.0	242.4	243.0	242.4
West South Central	39,785.5	36,226.9	5,257.9	2,864.6	0.0	0.0	3,013.7	2,991.4	1,130.2	1,160.2	0.0	0.0	49,187.3	43,243.1	1,361.9	1,007.0	6,619.8	3,871.6	6,619.8	3,871.6
Arkansas	0.0	0.0	212.2	112.2	0.0	0.0	1,265.8	1,265.8	236.7	264.7	0.0	0.0	1,714.7	1,642.7	60.5	41.1	272.7	153.3	272.7	153.3
Louisiana	0.0	0.0	74.5	24.5	0.0	0.0	192.0	192.0	422.1	422.1	0.0	0.0	688.6	638.6	157.0	142.1	231.5	166.6	231.5	166.6
Oklahoma	9,319.0	8,168.9	40.5	30.5	0.0	0.0	849.8	863.6	77.6	76.2	0.0	0.0	10,286.9	9,139.2	22.6	13.7	63.1	44.2	63.1	44.2
Texas	30,466.5	28,058.0	4,930.7	2,697.4	0.0	0.0	706.1	670.0	393.8	397.2	0.0	0.0	36,497.1	31,822.6	1,121.8	810.1	6,052.5	3,507.5	6,052.5	3,507.5
Mountain	12,773.9	9,850.0	7,502.8	6,735.0	474.1	474.1	10,687.2	10,660.2	179.1	179.1	674.1	656.7	32,291.2	28,555.1	3,323.4	2,791.8	10,826.2	9,526.8	11,300.3	10,000.9
Arizona	617.3	267.3	2,328.8	2,128.8	295.6	295.6	2,720.9	2,720.9	30.7	30.7	0.0	0.0	5,993.3	5,443.3	1,682.6	1,454.1	4,011.4	3,582.9	4,307.0	3,878.5
Colorado	4,710.8	3,757.9	682.5	614.2	0.0	0.0	691.2	691.2	28.7	28.7	0.0	0.0	6,113.2	5,092.0	466.6	393.4	1,149.1	1,007.6	1,149.1	1,007.6
Idaho	970.4	970.4	242.0	242.0	0.0	0.0	2,767.4	2,764.2	88.7	88.7	10.0	10.0	4,078.5	4,075.3	62.5	45.8	304.5	287.8	304.5	287.8
Montana	872.9	792.9	17.0	17.0	0.0	0.0	2,806.4	2,782.6	3.0	3.0	0.0	0.0	3,699.3	3,595.5	26.0	18.3	43.0	35.3	43.0	35.3
Nevada	150.0	150.0	2,211.0	2,051.0	178.5	178.5	1,051.7	1,051.7	9.8	9.8	584.8	567.4	4,185.8	4,008.4	528.2	422.5	2,739.2	2,473.5	2,917.7	2,652.0
New Mexico	2,557.9	2,035.9	733.8	673.3	0.0	0.0	82.9	82.9	5.4	5.4	8.6	8.6	3,388.6	2,806.1	214.0	172.6	947.8	845.9	947.8	845.9
Utah	389.7	389.7	1,195.7	916.7	0.0	0.0	259.6	259.6	12.8	12.8	70.7	70.7	1,928.5	1,649.5	334.0	278.4	1,529.7	1,195.1	1,529.7	1,195.1
Wyoming	2,504.9	1,485.9	92.0	92.0	0.0	0.0	307.1	307.1	0.0	0.0	0.0	0.0	2,904.0	1,885.0	9.6	6.8	101.6	98.8	101.6	98.8
Pacific Contiguous	13,163.4	12,587.6	13,655.6	11,959.1	1,284.0	1,284.0	39,940.1	39,770.7	1,901.8	1,889.5	1,866.4	1,855.7	71,811.3	69,346.6	11,079.5	9,617.2	24,735.1	21,576.3	26,019.1	22,860.3
California	6,025.6	6,075.8	13,043.6	11,536.2	1,284.0	1,284.0	10,278.5	10,231.1	1,202.4	1,190.1	1,846.9	1,836.2	33,681.0	32,153.4	10,667.4	9,268.0	23,711.0	20,804.2	24,995.0	22,088.2
Oregon	3,761.3	3,415.3	589.1	403.2	0.0	0.0	8,317.0	8,317.0	315.0	315.0	19.5	19.5	13,001.9	12,470.0	198.9	173.9	788.0	577.1	788.0	577.1
Washington	3,376.5	3,096.5	22.9	19.7	0.0	0.0	21,344.6	21,222.6	384.4	384.4	0.0	0.0	25,128.4	24,723.2	213.2	175.4	236.1	195.1	236.1	195.1
Pacific Noncontiguous	293.0	266.6	283.5	277.9	0.0	0.0	508.0	503.0	160.9	160.9	43.0	43.0	1,288.4	1,251.4	742.8	675.3	1,026.3	953.2	1,026.3	953.2
Alaska	59.8	61.0	0.0	0.0	0.0	0.0	475.6	470.6	7.0	7.0	0.0	0.0	542.4	538.6	9.5	5.7	9.5	5.7	9.5	5.7
Hawaii	233.2	205.6	283.5	277.9	0.0	0.0	32.4	32.4	153.9	153.9	43.0	43.0	746.0	712.8	733.3	669.6	1,016.8	947.5	1,016.8	947.5
U.S. Total	119,407.7	104,210.2	46,513.6	37,082.9	1,758.1	1,758.1	79,961.4	79,781.7	12,983.7	13,101.8	2,583.5	2,555.4	263,208.0	238,490.1	28,225.0	23,748.2	74,738.6	60,831.1	76,496.7	62,589.2

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, January 2021 and 2020 (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	
	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020	January 2021	January 2020
New England	14,286.5	14,293.3	1,768.1	1,779.8	1,499.2	1,515.8	917.3	917.3	0.0	0.0	5,706.6	5,733.1	0.0	0.0	24,177.7	24,239.3
Connecticut	4,017.7	4,009.8	571.7	580.4	888.4	883.3	383.4	383.4	0.0	0.0	2,034.9	2,034.9	0.0	0.0	7,896.1	7,891.8
Maine	1,285.6	1,285.6	322.3	322.3	12.5	12.5	0.0	0.0	0.0	0.0	878.9	878.9	0.0	0.0	2,499.3	2,499.3
Massachusetts	5,935.0	5,952.7	857.9	860.9	172.7	194.4	0.0	0.0	0.0	0.0	2,555.2	2,581.7	0.0	0.0	9,520.8	9,589.7
New Hampshire	1,258.0	1,258.0	3.8	3.8	400.2	400.2	533.9	533.9	0.0	0.0	94.0	94.0	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	136.5	136.5	0.0	0.0	136.5	136.5
Middle Atlantic	36,439.1	34,389.3	7,887.0	7,956.2	15,021.0	14,282.4	9,576.0	11,044.9	11.6	11.6	5,194.3	5,228.0	115.9	115.9	74,244.9	73,028.3
New Jersey	8,551.3	8,575.3	2,858.7	2,844.3	71.7	71.7	463.0	463.0	11.6	11.6	246.1	246.1	29.0	29.0	12,231.4	12,241.0
New York	9,918.9	8,926.6	3,096.5	3,178.7	9,871.0	9,875.5	520.0	1,204.4	0.0	0.0	3,444.4	3,474.6	0.0	0.0	26,850.8	26,659.8
Pennsylvania	17,968.9	16,887.4	1,931.8	1,933.2	5,078.3	4,335.2	8,593.0	9,377.5	0.0	0.0	1,503.8	1,507.3	86.9	86.9	35,162.7	34,127.5
East North Central	22,475.0	21,731.8	26,447.6	26,657.1	5,603.5	5,632.8	49,524.8	51,509.0	247.6	247.6	2,312.1	2,347.2	1,084.9	1,084.9	107,695.5	109,210.4
Illinois	3,577.7	3,577.7	10,550.5	10,563.6	1,626.7	1,626.7	10,302.0	10,615.5	0.0	0.0	665.2	672.9	36.5	36.5	26,758.6	27,092.9
Indiana	3,875.0	3,866.0	3,251.7	3,282.7	762.9	757.4	15,241.9	15,241.9	0.0	0.0	98.3	98.3	619.3	619.3	23,849.1	23,865.6
Michigan	4,451.9	4,451.9	3,849.6	3,852.9	2,365.8	2,413.1	8,395.3	8,590.3	47.2	47.2	464.8	464.8	250.0	250.0	19,824.6	20,070.2
Ohio	7,041.3	7,057.8	5,574.4	5,599.8	214.9	205.5	10,008.0	11,508.0	142.0	142.0	507.1	531.5	179.1	179.1	23,666.8	25,223.7
Wisconsin	3,529.1	2,778.4	3,221.4	3,358.1	633.2	630.1	5,577.6	5,553.3	58.4	58.4	576.7	579.7	0.0	0.0	13,596.4	12,958.0
West North Central	6,996.1	7,006.4	11,601.3	11,608.3	3,805.7	3,986.6	32,849.5	32,904.5	32.0	32.0	3,866.9	3,849.0	8.4	8.4	59,159.9	59,395.2
Iowa	1,796.2	1,829.0	1,228.4	1,226.8	638.4	639.1	5,284.0	5,291.2	32.0	32.0	829.1	821.4	0.0	0.0	9,808.1	9,839.5
Kansas	266.0	266.0	2,152.3	2,161.3	1,342.1	1,342.6	4,678.5	4,678.5	0.0	0.0	561.5	557.9	0.0	0.0	9,000.4	9,006.3
Minnesota	2,483.0	2,483.0	2,558.5	2,558.5	374.4	401.5	4,194.7	4,180.5	0.0	0.0	768.5	764.9	0.0	0.0	10,379.1	10,388.4
Missouri	1,817.4	1,794.9	3,395.1	3,394.7	716.5	869.5	10,402.5	10,464.5	0.0	0.0	1,104.5	1,105.5	0.0	0.0	17,436.0	17,629.1
Nebraska	338.5	338.5	1,148.3	1,148.3	522.1	521.7	3,867.0	3,867.0	0.0	0.0	325.0	321.0	0.0	0.0	6,200.9	6,196.5
North Dakota	0.0	0.0	414.0	414.0	199.9	199.9	3,948.8	3,948.8	0.0	0.0	63.2	63.2	8.4	8.4	4,634.3	4,634.3
South Dakota	295.0	295.0	704.7	704.7	12.3	12.3	474.0	474.0	0.0	0.0	215.1	215.1	0.0	0.0	1,701.1	1,701.1
South Atlantic	61,726.0	61,422.0	31,809.9	32,136.5	7,945.5	8,030.4	49,220.9	50,262.9	142.8	142.8	7,818.4	8,862.8	135.0	135.0	158,798.5	160,992.4
Delaware	1,504.0	1,504.0	272.0	272.0	842.0	842.0	410.0	410.0	0.0	0.0	158.5	158.5	135.0	135.0	3,321.5	3,321.5
District of Columbia	0.0	0.0	20.6	20.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.6	20.6
Florida	31,810.4	31,620.2	7,889.3	7,795.2	3,195.7	3,283.2	6,690.0	6,990.0	59.0	59.0	3,245.6	3,269.6	0.0	0.0	52,890.0	53,017.2
Georgia	8,009.5	8,009.5	7,798.1	7,803.2	843.5	842.9	8,416.0	8,416.0	83.8	83.8	946.0	945.4	0.0	0.0	26,096.9	26,100.8
Maryland	2,720.9	2,709.1	1,851.7	2,084.2	1,418.1	1,416.1	3,633.0	4,270.0	0.0	0.0	1,169.5	1,171.3	0.0	0.0	10,793.2	11,650.7
North Carolina	5,628.2	5,526.2	6,018.4	6,050.4	1.0	1.0	10,011.2	10,011.2	0.0	0.0	502.0	502.0	0.0	0.0	22,160.8	22,090.8
South Carolina	3,185.0	3,185.0	2,624.9	2,772.2	950.0	950.0	4,769.0	4,769.0	0.0	0.0	234.9	466.9	0.0	0.0	11,763.8	12,143.1
Virginia	8,868.0	8,868.0	4,245.3	4,245.3	579.7	579.7	2,773.7	2,878.7	0.0	0.0	1,550.9	2,338.1	0.0	0.0	18,017.6	18,909.8
West Virginia	0.0	0.0	1,089.6	1,093.4	115.5	115.5	12,518.0	12,518.0	0.0	0.0	11.0	11.0	0.0	0.0	13,734.1	13,737.9
East South Central	21,798.3	21,785.6	12,700.4	12,706.0	4,285.4	4,278.1	21,422.6	22,884.4	0.0	0.0	106.7	106.7	19.8	19.8	60,333.2	61,780.6
Alabama	9,742.5	9,729.8	2,575.8	2,575.8	1,955.8	1,971.1	4,730.3	5,284.3	0.0	0.0	42.6	42.6	19.8	19.8	19,066.8	19,623.4
Kentucky	1,763.0	1,763.0	4,925.6	4,931.2	260.0	260.0	9,403.0	10,310.8	0.0	0.0	11.9	11.9	0.0	0.0	16,363.5	17,276.9
Mississippi	7,837.7	7,837.7	1,366.5	1,366.5	2,003.4	1,980.8	1,444.0	1,444.0	0.0	0.0	9.0	9.0	0.0	0.0	12,660.6	12,638.0
Tennessee	2,455.1	2,455.1	3,832.5	3,832.5	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	12,242.3
West South Central	64,008.3	61,773.9	15,171.1	14,602.6	30,247.2	30,518.1	29,376.3	30,036.8	878.9	878.9	166.0	169.1	818.3	818.3	140,666.1	138,797.7
Arkansas	4,597.1	4,597.1	702.8	702.8	824.0	796.0	5,162.1	5,162.1	0.0	0.0	9.0	9.0	0.0	0.0	11,295.0	11,267.0
Louisiana	9,656.2	8,654.2	2,849.5	2,414.8	6,064.1	6,090.1	2,826.6	2,837.1	815.1	815.1	43.2	43.2	407.4	407.4	22,662.1	21,261.9
Oklahoma	7,392.8	7,321.2	1,633.5	1,630.9	5,839.1	5,706.1	3,246.0	3,246.0	0.0	0.0	74.4	74.4	0.0	0.0	18,185.8	17,978.6
Texas	42,362.2	41,201.4	9,985.3	9,854.1	17,520.0	17,925.9	18,141.6	18,791.6	63.8	63.8	39.4	42.5	410.9	410.9	88,523.2	88,290.2
Mountain	22,546.5	22,546.5	9,138.3	9,137.3	3,757.1	3,538.4	22,684.0	23,725.5	52.0	52.0	346.4	349.9	103.5	103.5	58,627.8	59,453.1
Arizona	9,908.6	9,908.6	2,899.0	2,899.0	1,278.6	1,187.6	2,678.0	3,329.0	0.0	0.0	90.5	90.5	0.0	0.0	16,854.7	17,414.7
Colorado	3,249.5	3,249.5	2,538.0	2,538.0	773.0	639.0	4,206.0	4,340.0	0.0	0.0	164.9	166.4	0.0	0.0	10,931.4	10,932.9
Idaho	547.7	547.7	552.0	552.0	11.7	8.2	5.0	8.5	0.0	0.0	5.4	5.4	0.0	0.0	1,121.8	1,121.8
Montana	0.0	0.0	315.8	315.8	72.2	72.2	1,683.6	1,683.6	52.0	52.0	0.0	0.0	1.5	1.5	2,125.1	2,125.1
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	1,471.7	957.0	957.0	847.7	847.7	2,387.0	2,640.0	0.0	0.0	46.0	48.0	0.0	0.0	5,709.4	5,964.4
Utah	1,830.0	1,830.0	537.3	536.3	318.4	328.2	4,581.0	4,581.0	0.0	0.0	27.8	27.8	0.0	0.0	7,294.5	7,303.3
Wyoming	94.0	94.0	153.6	153.6	10.9	10.9	6,403.0	6,403.0	0.0	0.0	5.8	5.8	102.0	102.0	6,769.3	6,769.3
Pacific Contiguous	26,443.0	25,218.9	12,106.3	12,012.7	5,439.0	5,445.2	727.0	1,982.0	20.0	20.0	470.3	469.8	198.9	221.4	45,404.5	45,370.0
California	20,435.4	19,211.3	11,253.3	11,159.7	5,183.0	5,189.2	57.0	57.0	20.0	20.0	455.1	454.6	198.9	221.4	37,602.7	36,313.2
Oregon	3,372.0	3,372.0	133.8	133.8	224.4	224.4	0.0	585.0	0.0	0.0	0.0	0.0	0.0	0.0	3,730.2	4,315.2
Washington	2,635.6	2,635.6	719.2	719.2	31.6	31.6	670.0	1,340.0	0.0	0.0	15.2	15.2	0.0	0.0	4,071.6	4,741.6
Pacific Noncontiguous	477.2	477.2	618.5	631.1	175.0	175.0	348.9	331.9	0.0	0.0	2,721.0	2,719.3	0.0	0.0	4,340.6	4,334.5
Alaska	477.2	477.2	618.5	631.1	175.0	175.0	168.9	151.9	0.0	0.0	741.1	739.4	0.0	0.0	2,180.7	2,174.6
Hawaii	0.0	0.0	0.0	0.0	0.0	0.0	180.0	180.0	0.0	0.0	1,979.9	1,979.9	0.0	0.0	2,159.9	2,159.9
U.S. Total	277,196.0	270,644.9	129,248.5	129,227.6	77,778.6	77,402.8	216,647.3	225,599.2	1,384.9	1,384.9	28,708.7	29,834.9	2,484.7	2,507.2	733,448.7	736,601.5

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, 2021

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	1	61012	AES Distributed Energy	IPP	ZPD-PT Solar Project 2017-021 LLC Hybrid CSG	MA	64187	DRAES	0.7	Batteries	MWH	BA
2021	1	61012	AES Distributed Energy	IPP	ZPD-PT Solar Project 2017-021 LLC Hybrid CSG	MA	64187	DRAPV	1.0	Solar Photovoltaic	SUN	PV
2021	1	61012	AES Distributed Energy	IPP	ZPD-PT Solar Project 2017-023 LLC Hybrid CSG	MA	64185	DRAES	1.8	Batteries	MWH	BA
2021	1	61012	AES Distributed Energy	IPP	ZPD-PT Solar Project 2017-023 LLC Hybrid CSG	MA	64185	DRAPV	2.8	Solar Photovoltaic	SUN	PV
2021	1	62160	AES ES Alamitos, LLC	IPP	AES ES ALAMITOS, LLC	CA	61204	ALMTS	100.0	Batteries	MWH	BA
2021	1	63021	Aurora Wind Project, LLC	IPP	Aurora Wind Project	ND	63258	AURWP	298.8	Onshore Wind Turbine	WND	WT
2021	1	63654	BristolSolar	IPP	BristolSolar	OR	64009	BS	3.0	Solar Photovoltaic	SUN	PV
2021	1	63407	Butler Solar, LLC	IPP	Butler Solar, LLC	OR	63694	13501	4.0	Solar Photovoltaic	SUN	PV
2021	1	63381	Carlson Community Solar	IPP	Carlson Community (CSG)	MN	63683	CRLSN	1.0	Solar Photovoltaic	SUN	PV
2021	1	63511	Constellation Solar Illinois 2, LLC	IPP	Charter Durabar at Woodstock	IL	63967	CDB1	1.0	Solar Photovoltaic	SUN	PV
2021	1	63511	Constellation Solar Illinois 2, LLC	IPP	Charter Durabar at Woodstock	IL	63967	CDB2	1.0	Solar Photovoltaic	SUN	PV
2021	1	63511	Constellation Solar Illinois 2, LLC	IPP	Conagra Foods at St. Elmo	IL	63830	CFS	1.8	Solar Photovoltaic	SUN	PV
2021	1	63511	Constellation Solar Illinois 2, LLC	IPP	The GSI Group LLC at Assumption	IL	63968	GSI	1.5	Solar Photovoltaic	SUN	PV
2021	1	63569	Cornillie 2 Community Solar LLC	IPP	Cornillie 2 Community (CSG)	MN	63899	CORN	1.4	Solar Photovoltaic	SUN	PV
2021	1	63731	Desert Harvest II LLC	IPP	Desert Harvest II LLC	CA	64103	DH003	35.0	Batteries	MWH	BA
2021	1	5416	Duke Energy Carolinas, LLC	Electric Utility	Maiden Creek Solar Power Plant	NC	62668	PV1	69.3	Solar Photovoltaic	SUN	PV
2021	1	57170	EDF Renewable Asset Holdings, Inc.	IPP	Coyote Wind LLC	TX	63655	COY	242.5	Onshore Wind Turbine	WND	WT
2021	1	62852	ESA Hamlet NC LLC	IPP	ESA Hamlet NC , LLC	NC	63377	PGR10	5.0	Solar Photovoltaic	SUN	PV
2021	1	61372	Enel Kansas, LLC	IPP	Cimarron Bend III	KS	64074	3	198.8	Onshore Wind Turbine	WND	WT
2021	1	55937	Entergy Texas Inc.	Electric Utility	Montgomery County	TX	60925	1A	250.0	Natural Gas Fired Combined Cycle	NG	CT
2021	1	55937	Entergy Texas Inc.	Electric Utility	Montgomery County	TX	60925	1B	250.0	Natural Gas Fired Combined Cycle	NG	CT
2021	1	55937	Entergy Texas Inc.	Electric Utility	Montgomery County	TX	60925	1C	500.0	Natural Gas Fired Combined Cycle	NG	CA
2021	1	62856	Forefront Power, LLC	IPP	MD - CS - Potomac Edison Co - GA29 TPE	MD	64180	19002	2.0	Solar Photovoltaic	SUN	PV
2021	1	60025	Greenbacker Renewable Energy Corporation	IPP	Alamosa Solar South CSG	CO	64266	264	1.6	Solar Photovoltaic	SUN	PV
2021	1	60222	Haida Energy, Inc.	Electric Utility	Hiilangaay Hydro	AK	59037	GEN 1	5.0	Conventional Hydroelectric	WAT	HY
2021	1	63655	MilfordSolar	IPP	MilfordSolar OR	OR	64008	MS	3.0	Solar Photovoltaic	SUN	PV
2021	1	62759	National Grid Renewables	IPP	Marigold Community Solar Garden, LLC	MN	63308	MGOLD	1.0	Solar Photovoltaic	SUN	PV
2021	1	62759	National Grid Renewables	IPP	Westport Community Solar, LLC	MN	63307	WESTP	1.0	Solar Photovoltaic	SUN	PV
2021	1	13781	Northern States Power Co - Minnesota	Electric Utility	Blazing Star 2 Wind Farm	MN	61650	BLZS2	200.0	Onshore Wind Turbine	WND	WT
2021	1	63017	Novel Wayne Solar LLC	IPP	Novel Wayne Solar LLC CSG	MN	63249	WAYNE	1.0	Solar Photovoltaic	SUN	PV
2021	1	61298	Pine Gate Renewables	IPP	Harts Mill Solar, LLC	NC	64144	HMS01	80.0	Solar Photovoltaic	SUN	PV
2021	1	61298	Pine Gate Renewables	IPP	Robin Solar	NC	60165	PV1	5.0	Solar Photovoltaic	SUN	PV
2021	1	63210	Saint Solar LLC	IPP	Saint Solar	AZ	63476	SAINT	100.0	Solar Photovoltaic	SUN	PV
2021	1	63608	Silver Lake Garden LLC	IPP	Silver Lake Garden	MN	63936	CGS	1.0	Solar Photovoltaic	SUN	PV
2021	1	63657	SulusSolar33	IPP	SulusSolar33	OR	64006	SS33	3.0	Solar Photovoltaic	SUN	PV
2021	1	18454	Tampa Electric Co	Electric Utility	Durrance	FL	63495	1	60.0	Solar Photovoltaic	SUN	PV
2021	1	63897	Tatanka Ridge LLC	IPP	Tatanka Ridge	SD	61046	WT1	154.0	Onshore Wind Turbine	WND	WT
2021	1	62955	USS Hancock Solar	IPP	USS Hancock Solar LLC CSG	MN	63167	HNCCK	1.0	Solar Photovoltaic	SUN	PV
2021	1	63436	USS Hubers Solar LLC	IPP	USS Hubers Solar LLC CSG	MN	63744	HUBER	1.0	Solar Photovoltaic	SUN	PV
2021	1	62958	USS Kass Solar LLC	IPP	USS Kass Solar LLC	MN	63170	KASS	1.0	Solar Photovoltaic	SUN	PV
2021	1	63434	USS Viceroy Solar LLC	IPP	USS Viceroy Solar LLC CSG	MN	63742	USVIC	1.0	Solar Photovoltaic	SUN	PV
2021	1	19876	Virginia Electric & Power Co	Electric Utility	Coastal Virginia Offshore Wind (CVOW)	VA	59693	OSW1	12.0	Offshore Wind Turbine	WND	WS

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, 2021

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	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	3227	City of Center - (CO)	Electric Utility	Center	CO	491	3	0.5	Petroleum Liquids	DFO	IC
2021	1	3227	City of Center - (CO)	Electric Utility	Center	CO	491	5	1.0	Petroleum Liquids	DFO	IC
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

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)
2021	2	61541	1634 Solar, LLC	IPP	1634 Solar	SC	61935	3	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2021	2	61012	AES Distributed Energy	IPP	Amaterasu LLC	MA	64000	BESS	3.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	3.0
2021	2	61012	AES Distributed Energy	IPP	Amaterasu LLC	MA	64000	DRC	4.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.6
2021	2	61012	AES Distributed Energy	IPP	BWC Lake Lashaway, LLC Hybrid	MA	64182	DRAES	3.7	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	3.7
2021	2	61012	AES Distributed Energy	IPP	BWC Lake Lashaway, LLC Hybrid	MA	64182	DRAPV	4.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.2
2021	2	61012	AES Distributed Energy	IPP	BWC Muddy Brook, LLC Hybrid	MA	64170	MBES	0.9	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	0.9
2021	2	61012	AES Distributed Energy	IPP	BWC Muddy Brook, LLC Hybrid	MA	64170	MBPV	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2021	2	61012	AES Distributed Energy	IPP	BWC Stony Brook, LLC Hybrid	MA	64140	BESS	0.7	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	0.7
2021	2	61012	AES Distributed Energy	IPP	BWC Stony Brook, LLC Hybrid	MA	64140	BSBPV	1.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.6
2021	2	61012	AES Distributed Energy	IPP	Lane Ave Solar LLC	MA	63041	HANRA	1.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.5
2021	2	61012	AES Distributed Energy	IPP	Randall Solar Project Hybrid	MA	63475	BATT	3.3	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	3.3
2021	2	61012	AES Distributed Energy	IPP	Randall Solar Project Hybrid	MA	63475	RAND	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0
2021	2	61012	AES Distributed Energy	IPP	Ryan Road Solar LLC Hybrid	MA	63044	BESS	4.3	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	4.3
2021	2	61012	AES Distributed Energy	IPP	Ryan Road Solar LLC Hybrid	MA	63044	ORCHA	4.3	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	4.3
2021	2	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
2021	2	63419	Augusta Solar, LLC	IPP	Augusta Solar	SC	63720	PGR23	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2021	2	15399	Avangrid Renewables LLC	IPP	La Joya NM	NM	61044	LAJ1	165.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	165.0
2021	2	15399	Avangrid Renewables LLC	IPP	La Joya NM	NM	61044	LAJ2	141.2	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	141.2
2021	2	62993	Aviator Wind, LLC	IPP	Aviator Wind	TX	63209	AVTOR	525.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	525.0
2021	2	59843	Blythe Solar II, LLC	IPP	Blythe Solar II, LLC	CA	60092	BLST2	115.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	115.0
2021	2	63625	CCUA Solar, LLC	IPP	CCUA Solar	NJ	63971	CCUA	1.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.5
2021	2	63667	California PV Energy 3, LLC	IPP	San Diego - EMDF at San Diego	CA	64028	EMDF	2.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.9
2021	2	63667	California PV Energy 3, LLC	IPP	San Diego - NCRC at Vista	CA	64049	NCRC	1.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.8
2021	2	63606	Central 40, LLC	IPP	Central 40	CA	63940	CEN40	40.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	40.0
2021	2	3258	Central Iowa Power Cooperative	Electric Utility	Summit Lake	IA	1206	R1	18.4	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	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	(TS) Construction complete, but not yet in commercial operation	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	(TS) Construction complete, but not yet in commercial operation	18.8
2021	2	18301	City of Sumner - (IA)	Electric Utility	Sumner	IA	1191	G1	1.8	Petroleum Liquids	DFO	IC	(TS) Construction complete, but not yet in commercial operation	1.8
2021	2	18301	City of Sumner - (IA)	Electric Utility	Sumner	IA	1191	G2	1.8	Petroleum Liquids	DFO	IC	(TS) Construction complete, but not yet in commercial operation	1.8
2021	2	18301	City of Sumner - (IA)	Electric Utility	Sumner	IA	1191	G3	1.8	Petroleum Liquids	DFO	IC	(TS) Construction complete, but not yet in commercial operation	1.8
2021	2	60609	Clean Focus Renewables, Inc.	IPP	Rugged Solar LLC	CA	57960	1	80.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	80.0
2021	2	63879	Coachella Wind Holdings, LLC	IPP	Coachella Hills Wind	CA	64323	CHW	61.2	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	61.2
2021	2	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
2021	2	56769	Consolidated Edison Development Inc.	IPP	CED Beecher Sun Solar	IL	63823	BS1	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2021	2	56769	Consolidated Edison Development Inc.	IPP	CED Hilltop Solar	IL	63824	HS1	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2021	2	56769	Consolidated Edison Development Inc.	IPP	CED Peoria Solar	IL	63656	PS1	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2021	2	56769	Consolidated Edison Development Inc.	IPP	CED Spring Creek Solar	IL	63948	CS1	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2021	2	56769	Consolidated Edison Development Inc.	IPP	Water Strider Solar	VA	63549	WSS	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2021	2	57365	Consolidated Edison Solutions Inc	IPP	CES Marbletown Solar	NY	63729	MT1	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0
2021	2	62679	Constellation Solar Rhode Island LLC	IPP	Roger Williams - Melville at Portsmouth	RI	64299	MEL	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0
2021	2	4254	Consumers Energy Co	Electric Utility	Crescent Wind Park	MI	63686	GFWP	150.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	150.0
2021	2	6455	Duke Energy Florida, LLC	Electric Utility	Twin Rivers Solar Power Plant	FL	63518	PV1	74.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.9
2021	2	5860	Empire District Electric Co	Electric Utility	Prosperity Solar Farm CSG	MO	64225	PROS1	2.3	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.3
2021	2	63651	Energix Hollyfield, LLC	IPP	Energix Hollyfield, LLC	VA	64010	ENX06	13.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	13.0
2021	2	56201	Engie North America	IPP	ANSON Solar Center, LLC	TX	64026	SF1	200.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	200.0
2021	2	63081	Exus North America Management Partners LLC	IPP	Bearkat II Wind Energy LLC	TX	63342	BKII	162.1	Onshore Wind Turbine	WND	WT	(OT) Other	162.1
2021	2	62856	Forefront Power, LLC	IPP	DGS Valley State Prison	CA	63947	579	2.3	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.3
2021	2	62856	Forefront Power, LLC	IPP	IL - SMHEC - Moraine Valley	IL	64181	18017	1.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.3
2021	2	62720	Frontier Windpower II, LLC	IPP	Frontier Windpower II	OK	62837	FW2	351.8	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	351.8
2021	2	61944	GSRP	IPP	EDF Ph1 Toms River	NJ	64327	GEN1	21.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	21.3
2021	2	61194	Generate Capital	IPP	Big Tree Community Solar Farm	NY	62476	607	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2021	2	63998	Gilcrest V LLC	IPP	Gilcrest V CSG	CO	64386	GLCRV	4.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.8
2021	2	63788	Hayfield Solar I LLC	IPP	Hayfield Solar I LLC	MN	63724	HAYF1	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2021	2	63789	Hayfield Solar III LLC	IPP	Hayfield Solar III LLC	MN	63725	HAYF3	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2021	2	63404	Hunker Solar River, LLC	IPP	Hunker Solar River, LLC	PA	63691	13502	3.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.3
2021	2	62134	Hunter Solar LLC	IPP	Hunter Solar LLC	UT	62656	HUSOL	100.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	100.0
2021	2	9234	Indiana Municipal Power Agency	Electric Utility	Columbia City Solar Park	IN	62769	SCOLU	4.3	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.3
2021	2	49893	Invenergy Services LLC	IPP	Deuel Harvest Wind Energy LLC	SD	62943	GEN1	300.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	300.0
2021	2	49893	Invenergy Services LLC	IPP	Hardin Solar Energy LLC	OH	63029	GEN1	150.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	150.0
2021	2	49893	Invenergy Services LLC	IPP	Millican Solar Energy LLC	OR	63050	GEN1	71.4	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	71.4
2021	2	49893	Invenergy Services 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
2021	2	49893	Invenergy Services LLC	IPP	Prineville Solar Energy LLC	OR	63049	GEN1	46.2	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	46.2
2021	2	63431	Las Majadas Wind Farm, LLC	IPP	Las Majadas Wind Farm	TX	63739	LMAJ	272.6	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	272.6
2021	2	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
2021	2	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
2021	2	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
2021	2	62915	Madison Energy Holdings LLC	IPP	Studenski Community Solar LLC	MN	63793	STU01	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2021	2	62915	Madison Energy Holdings LLC	IPP	Svihel Community Solar LLC	MN	63792	SVH01	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2021	2	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	(TS) Construction complete, but not yet in commercial operation	21.7
2021	2	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	(TS) Construction complete, but not yet in commercial operation	21.7
2021	2	12119	McGrath Light & Power Co	Electric Utility	McGrath	AK	6555	11	0.4	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	0.4
2021	2	12119	McGrath Light & Power Co	Electric Utility	McGrath	AK	6555	12	0.4	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	0.4
2021	2	12119	McGrath Light & Power Co	Electric Utility	McGrath	AK	6555	13	0.4	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	0.4
2021	2	12119	McGrath Light & Power Co	Electric Utility	McGrath	AK	6555	14	0.4	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	0.4
2021	2	63185	Neighborhood Power Corp.	IPP	Dunn Road Solar	OR	63642	W9736	1.8	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.8
2021	2	63185	Neighborhood Power Corp.	IPP	Mt Hope Solar	OR	63663	W0053	2.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.5
2021	2	63185	Neighborhood Power Corp.	IPP	Williams Acres Solar	OR	63664	W0055	2.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.5
2021	2	62868	Novel Peter Solar LLC	IPP	Novel Peter Solar CSG	MN	63009	PETR	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2021	2	14232	Otter Tail Power Co	Electric Utility	Astoria Station	SD	61144	1	245.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	349.0
2021	2	63859	Pickford Solar	IPP	Pickford Solar	MI	64251	PICK1	6.9	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	6.9
2021	2	64054	Pontiac Solar, LLC	IPP	Pontiac	IL	64414	PONTC	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2021	2	63082	ProEnergy Services	IPP	HO Clarke Generating	TX	63335	CTG-1	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	60.5
2021	2	63082	ProEnergy Services	IPP	HO Clarke Generating	TX	63335	CTG-2	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	60.5
2021	2	63082	ProEnergy Services	IPP	HO Clarke Generating	TX	63335	CTG-3	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	60.5

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)
2021	2	63082	ProEnergy Services	IPP	HO Clarke Generating	TX	63335	CTG-4	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	60.5
2021	2	63082	ProEnergy Services	IPP	HO Clarke Generating	TX	63335	CTG-5	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	60.5
2021	2	63082	ProEnergy Services	IPP	HO Clarke Generating	TX	63335	CTG-6	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	60.5
2021	2	63082	ProEnergy Services	IPP	Topaz Generating	TX	63688	CTG-5	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	60.5
2021	2	63141	Rancho Seco Solar II, LLC	IPP	Rancho Seco Solar II, LLC	CA	63387	RSS2	160.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	160.0
2021	2	61727	Reloj del Sol Wind Farm LLC	IPP	Reloj del Sol Wind Farm	TX	62207	RELOJ	209.4	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	209.4
2021	2	63659	SulusSolar22	IPP	SulusSolar22	OR	64022	SS22	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0
2021	2	2770	Terra-Gen Operating Co-Wind	IPP	Oasis Alta	CA	63941	OA1	14.4	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	14.4
2021	2	2770	Terra-Gen Operating Co-Wind	IPP	Point Wind	CA	63482	PW1	64.5	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	64.5
2021	2	60947	Tesla Inc.	Industrial	Tesla Reno GigaFactory	NV	64098	3	0.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.8
2021	2	63129	Wapello Solar LLC	IPP	Wapello Solar LLC	IA	63378	WAPLO	100.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	100.0
2021	2	60192	Warbler Holdings, LLC	IPP	Warbler Holdings	NC	60393	PV1	4.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	4.0
2021	2	58106	Western Michigan University	Commercial	Western Michigan University Power Plant	MI	58161	EG-10	2.5	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	2.5
2021	2	58106	Western Michigan University	Commercial	Western Michigan University Power Plant	MI	58161	EG-9	2.5	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	2.5
2021	3	62685	10 Briggs Solar NG, LLC	IPP	10 Briggs Solar NG, LLC (East)	RI	62781	02818	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2021	3	62006	7X Energy, Inc.	IPP	Taygete Energy Project LLC	TX	62483	PV1	255.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	255.0
2021	3	61012	AES Distributed Energy	IPP	ZPD-PT Solar Project 2017-038 Hybrid LLC	MA	64147	DRAES	3.4	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	3.4
2021	3	61012	AES Distributed Energy	IPP	ZPD-PT Solar Project 2017-038 Hybrid LLC	MA	64147	DRAPV	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2021	3	63899	Altamont Winds, LLC	IPP	Summit Winds	CA	64326	DYER	46.2	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	47.5
2021	3	63899	Altamont Winds, LLC	IPP	Summit Winds	CA	64326	FRICK	10.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	10.0
2021	3	60281	Altus Power America Management, LLC	IPP	FastSun 21	MN	63577	FS21	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2021	3	60281	Altus Power America Management, LLC	IPP	FastSun 4	MN	63576	FS4	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2021	3	60281	Altus Power America Management, LLC	IPP	FastSun12	MN	63966	FS12	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2021	3	15399	Avangrid Renewables LLC	IPP	Roaring Brook, LLC	NY	61041	WT1	79.7	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	79.7
2021	3	63842	BCSB, LLC	IPP	Burt County Solar Hybrid	NE	64222	1	0.7	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	0.7
2021	3	63842	BCSB, LLC	IPP	Burt County Solar Hybrid	NE	64222	2	0.7	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	0.7
2021	3	63842	BCSB, LLC	IPP	Dodge County Solar Hybrid	NE	64223	1	0.7	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	0.7
2021	3	63842	BCSB, LLC	IPP	Dodge County Solar Hybrid	NE	64223	2	0.7	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	0.7
2021	3	63568	BD Solar 1 LLC	IPP	Milo PV - BD Solar 1 LLC	ME	63894	MILPV	20.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	20.0
2021	3	63567	BD Solar Augusta LLC	IPP	Augusta PV - BD Solar Augusta LLC	ME	63895	AUGPV	7.2	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	7.2
2021	3	63566	BD Solar Fairfield LLC	IPP	Fairfield PV - BD Solar Fairfield LLC	ME	63896	FAIPV	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0
2021	3	63565	BD Solar Oxford LLC	IPP	Oxford PV - BD Solar Oxford LLC	ME	63897	OXFPV	9.2	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	9.2
2021	3	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
2021	3	63883	Broad Reach Power	IPP	Loop 463	TX	64315	LOOP	9.9	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	9.9
2021	3	63883	Broad Reach Power	IPP	Lopeno	TX	64316	LOPE	9.9	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	9.9
2021	3	63883	Broad Reach Power	IPP	Ranchtown	TX	64319	RANCH	9.9	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	9.9
2021	3	63883	Broad Reach Power	IPP	Sweeny	TX	64321	SWNY	9.9	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	9.9
2021	3	63415	CO Buffalo Flats LLC	IPP	Rawhide Prairie Solar Hybrid	CO	63722	BA1	1.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	1.0
2021	3	63415	CO Buffalo Flats LLC	IPP	Rawhide Prairie Solar Hybrid	CO	63722	PV1	22.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	22.0
2021	3	1515	City of Bellevue - (IA)	Electric Utility	Bellevue	IA	1126	1A	1.7	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	1.8
2021	3	63613	Cortland Solar 2 LLC	IPP	Cortland	IL	63949	CORT2	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2021	3	59550	Croda Inc.	Industrial	Croda Atlas Point CHP	DE	59783	91199	2.0	Landfill Gas	LFG	IC	(V) Under construction, more than 50 percent complete	2.0
2021	3	5109	DTE Electric Company	IPP	Fairbanks Wind Park	MI	62815	GNWF1	72.8	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	72.8
2021	3	5109	DTE Electric Company	Electric Utility	Isabella Wind Park	MI	63601	1	383.5	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	383.5
2021	3	64052	Delanco Coopertown Rd Solar 2, LLC	IPP	Delanco	NJ	64411	DELAN	2.4	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.4
2021	3	6455	Duke Energy Florida, LLC	Electric Utility	Santa Fe Solar Power Plant	FL	63517	PV1	74.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.9
2021	3	54802	Dynegy -Moss Landing LLC	IPP	Dynegy Moss Landing Power Plant Hybrid	CA	260	BAT1	300.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	300.0
2021	3	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
2021	3	64058	East Brookfield Adams Road Solar LLC	IPP	East Brookfield Adams Road Solar LLC	MA	64129	EBARB	3.1	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	3.1
2021	3	64058	East Brookfield Adams Road Solar LLC	IPP	East Brookfield Adams Road Solar LLC	MA	64129	EBARS	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2021	3	58135	Ecos Energy LLC	IPP	Blair Solar	CT	64217	BLAIR	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2021	3	58135	Ecos Energy LLC	IPP	Few Solar	CT	64219	FEW	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2021	3	58135	Ecos Energy LLC	IPP	Madison Solar	CT	64218	MADIS	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2021	3	63662	Edwardsville Solar II, LLC	IPP	Edwardsville Solar II	IL	64016	6777	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2021	3	5860	Empire District Electric Co	Electric Utility	Kings Point Wind Energy Center	MO	62475	KPW1	149.4	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	149.4
2021	3	5860	Empire District Electric Co	Electric Utility	Neosho Ridge Wind Energy Center	KS	62481	NRW1	301.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	301.0
2021	3	56201	Engie North America	IPP	Dakota Range III Wind Project	SD	63102	WTG	153.6	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	153.6
2021	3	59497	Eversource	IPP	Outer Cape Community Battery	MA	62604	OCESS	25.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	25.0
2021	3	6452	Florida Power & Light Co	Electric Utility	Magnolia Springs Solar Center	FL	62915	1	74.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	74.5
2021	3	63441	Fogarty Solar LLC	IPP	Fogarty	NY	63747	GRA	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2021	3	62856	Forefront Power, LLC	IPP	Amazon - Stockton - Roof (SCK1) - (CA)	CA	64429	19001	2.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.6
2021	3	62856	Forefront Power, LLC	IPP	UC Santa Cruz Solar	CA	63091	246	2.2	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.2
2021	3	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
2021	3	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
2021	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
2021	3	63108	Granby Solar, LLC	IPP	Granby Solar, LLC	MA	63338	4787	3.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	3.0
2021	3	60195	Groton Station Fuel Cell, LLC	IPP	Naval Sub Base New London Fuel Cell	CT	61743	MMH2	3.7	Other Natural Gas	NG	FC	(V) Under construction, more than 50 percent complete	3.7
2021	3	60195	Groton Station Fuel Cell, LLC	IPP	Naval Sub Base New London Fuel Cell	CT	61743	MMH3	3.7	Other Natural Gas	NG	FC	(V) Under construction, more than 50 percent complete	3.7
2021	3	62046	High Lonesome Wind Power, LLC	IPP	High Lonesome Wind Power, LLC	TX	62562	HILO	449.5	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	449.5
2021	3	62046	High Lonesome Wind Power, LLC	IPP	High Lonesome Wind Power, LLC	TX	62562	HILO2	50.0	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	50.0
2021	3	61697	Hillcrest Solar I, LLC	IPP	Hillcrest Solar	OH	62200	HILLC	200.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	200.0
2021	3	9324	Indiana Michigan Power Co	Electric Utility	South Bend Solar	IN	63801	1	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2021	3	9417	Interstate Power and Light Co	Electric Utility	Decorah Battery	IA	64375	BESS1	2.5	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	2.5
2021	3	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
2021	3	59685	JPMorgan Chase Bank	Commercial	South Campus Solar	DE	59922	G1789	1.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.8
2021	3	63244	KSI II Consolidated, LLC	IPP	Podunque Road	NY	64125	TWNSD	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2021	3	63644	Kish Solar, LLC	IPP	Kish	IL	63990	KISH	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2021	3	63616	Lena Solar 1 LLC	IPP	Lena	IL	63951	LENA	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2021	3	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
2021	3	64072	MA CS Ware West, LLC	IPP	Town of Ware - Canadian Tree	MA	64435	TOW	1.4	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.4
2021	3	62915	Madison Energy Holdings LLC	IPP	T Luhman CSG	MN	64056	TLU01	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2021	3	63572	Marbury Point Solar LLC	IPP	DC Water Solar	DC	63917	8030A	4.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.5
2021	3	12341	MidAmerican Energy Co	Electric Utility	Southern Hills Wind Farm	IA	63640	SHWF	254.1	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	254.1
2021	3	63993	Milligan 1 Wind, LLC	IPP	Milligan 1 Wind Farm	NE	64377	SG4.5	135.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	135.0

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	3	62759	National Grid Renewables	IPP	Primrose Solar, LLC	MN	63314	PROSE	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2021	3	59098	Northwest Ohio Wind, LLC	IPP	Northwest Ohio Wind	OH	59296	NWO-B	0.8	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	0.8
2021	3	59098	Northwest Ohio Wind, LLC	IPP	Northwest Ohio Wind	OH	59296	NWO-S	4.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.0
2021	3	62867	Novel Winegar Partnership Solar	IPP	Novel Winegar Partnership Solar CSG	MN	63008	WINE	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2021	3	63880	Painted Hills Wind Holdings, LLC	IPP	Painted Hills Wind Park	CA	50533	PHW	46.8	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	46.8
2021	3	63643	Peterman Solar II, LLC	IPP	Peterman II	IL	63989	PETE	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2021	3	64089	Pine Road Solar, LLC	IPP	Pine Road Solar, LLC	IL	64439	PINE	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2021	3	63810	Pioneer Solar (CO), LLC	IPP	Pioneer Solar (CO), LLC	CO	61991	PI-QF	80.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	80.0
2021	3	63790	Pipestone City Solar LLC	IPP	Pipestone City Solar LLC	MN	63726	PSCTY	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2021	3	56215	RWE Renewables Americas LLC	IPP	Cassadaga Wind Farm	NY	58777	1	126.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	126.0
2021	3	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
2021	3	56215	RWE Renewables Americas LLC	IPP	Scioto Ridge Wind Farm	OH	58780	1	249.8	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	249.8
2021	3	64056	Sandoval Holdco, LLC	IPP	Sandoval	IL	64416	SANDL	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2021	3	62146	Sigurd Solar LLC	IPP	Sigurd Solar LLC	UT	62666	SGSOL	80.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	80.0
2021	3	63676	Silveira Ranch Road Solar	IPP	Silveira Ranch Road Solar	CA	63762	SILVA	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2021	3	63676	Silveira Ranch Road Solar	IPP	Silveira Ranch Road Solar	CA	63762	SILVB	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2021	3	63676	Silveira Ranch Road Solar	IPP	Silveira Ranch Road Solar	CA	63762	SILVC	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2021	3	63424	Silverstrand Grid, LLC	IPP	Silverstrand Grid Energy Storage System	CA	63735	SLV01	11.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	11.0
2021	3	63432	SkyHigh 2 Solar	Commercial	Amazon TUS2	AZ	64384	ATUS2	2.6	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.6
2021	3	63432	SkyHigh 2 Solar	Commercial	EMWD - San Jacinto RWRF NEM	CA	64397	EMSJN	1.3	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.3
2021	3	63432	SkyHigh 2 Solar	Commercial	EMWD - Sun City RWRF	CA	64398	EMSUN	1.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.5
2021	3	63432	SkyHigh 2 Solar	Commercial	El Dorado County	CA	64402	ELDCO	1.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.5
2021	3	63962	Solar Star Prime 2, LLC	IPP	Amazon_JFK8	NY	64351	JFK8	4.9	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	7.0
2021	3	63664	Somonauk Road Solar 1, LLC	IPP	Somonauk Road Solar 1	IL	64013	6344	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2021	3	60531	Standard Solar	IPP	USS Dot Com Solar LLC CSG	MN	63215	DOTCM	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2021	3	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
2021	3	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
2021	3	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
2021	3	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
2021	3	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
2021	3	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
2021	3	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
2021	3	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
2021	3	19876	Virginia Electric & Power Co	Electric Utility	Desper Solar	VA	62730	1	88.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	88.2
2021	3	61522	Viridity Energy Solutions, Inc.	IPP	Vallecito	CA	62801	ORN34	10.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	10.0
2021	3	64059	Ware Palmer Road Solar LLC	IPP	Ware Palmer Road Solar LLC	MA	64128	WPRB	1.9	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	1.9
2021	3	64059	Ware Palmer Road Solar LLC	IPP	Ware Palmer Road Solar LLC	MA	64128	WPRS	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0
2021	3	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
2021	3	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
2021	3	63490	Williamsville Road LLC	IPP	Williamsville Hybrid	MA	63805	WBESS	3.3	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	3.3
2021	3	63490	Williamsville Road LLC	IPP	Williamsville Hybrid	MA	63805	WIL	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2021	3	63689	Wonderful Renewable Energy, LLC.	Industrial	Wonderful Orchards - Westside	CA	64220	WOC	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2021	4	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
2021	4	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
2021	4	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
2021	4	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
2021	4	63864	1051 Lucky Solar, LLC	IPP	1051 Lucky Solar, LLC	NC	64271	018	4.8	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.8
2021	4	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
2021	4	84	A & N Electric Coop	Electric Utility	Smith Island	MD	6391	4	1.0	Petroleum Liquids	DFO	IC	(P) Planned for installation, but regulatory approvals not initiated	1.0
2021	4	61012	AES Distributed Energy	IPP	AES Kekaha Solar, LLC Hybrid	HI	63280	BESS	14.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	14.0
2021	4	61012	AES Distributed Energy	IPP	ZPD-PT Solar Project 2017-006 LLC Hybrid	MA	64395	DRAES	2.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	2.0
2021	4	61012	AES Distributed Energy	IPP	ZPD-PT Solar Project 2017-006 LLC Hybrid	MA	64395	DRAPV	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2021	4	61012	AES Distributed Energy	IPP	ZPD-PT Solar Project 2017-044 LLC	MA	64184	DRAPV	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
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	57416	Acciona Energy USA Global, LLC	IPP	La Chalupa, LLC	TX	63624	LC	198.5	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	198.5
2021	4	63824	Acme Solar, LLC	IPP	Acme Solar, LLC	NC	64238	018	6.6	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	6.6
2021	4	62747	Acorn I Energy Storage LLC	IPP	Acorn I Energy Storage LLC	CA	62874	ACOR1	2.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	2.0
2021	4	62627	Alchemy Renewable Energy	IPP	Logansport Solar	IN	63861	INLP	16.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	16.0
2021	4	63620	Birch Creek Development, LLC	IPP	BRE NC Solar 3	NC	60627	BEAM3	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2021	4	63295	Brooten CSG1 LLC	IPP	Brooten CSG1, LLC	MN	63593	SC	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2021	4	63296	Buffalo Lake CSG1 LLC	IPP	Buffalo Lake CSG1, LLC	MN	63594	SC	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2021	4	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
2021	4	63991	DG New York CS, LLC	IPP	Clay Solar CSG	NY	64373	CLAY1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2021	4	63991	DG New York CS, LLC	IPP	Cortlandville Solar CSG	NY	64371	CORT1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2021	4	63991	DG New York CS, LLC	IPP	Norwich Solar and Energy Storage CSG	NY	64374	NRWCB	5.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	5.0
2021	4	63991	DG New York CS, LLC	IPP	Norwich Solar and Energy Storage CSG	NY	64374	NRWCH	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2021	4	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
2021	4	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
2021	4	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
2021	4	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
2021	4	61785	EDP Renewables North America LLC	IPP	Crossing Trails Wind Farm	CO	62489	GEN1	104.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	104.0
2021	4	63237	Emerald Hills Holding I, 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
2021	4	63652	Energix Buckingham, LLC	IPP	Energix Buckingham, LLC	VA	64015	ENX05	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2021	4	60952	Energix Mt. Jackson, LLC.	IPP	Mt. Jackson Solar	VA	61318	SOLAR	15.7	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	15.7
2021	4	64000	Flat Ridge 3 Wind Energy, LLC	IPP	Flat Ridge 3	KS	64407	FRW3	128.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	128.0
2021	4	6452	Florida Power & Light Co	Electric Utility	Discovery Solar Center	FL	63109	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2021	4	6452	Florida Power & Light Co	Electric Utility	Orange Blossom Solar Center	FL	62919	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2021	4	6452	Florida Power & Light Co	Electric Utility	Palm Bay Solar	FL	62921	1	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.5
2021	4	6452	Florida Power & Light Co	Electric Utility	Pelican Solar Center	FL	62924	1	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.5
2021	4	6452	Florida Power & Light Co	Electric Utility	Rodeo Solar Center	FL	62917	1	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.5
2021	4	6452	Florida Power & Light Co	Electric Utility	Sabal Palm Solar Center	FL	63110	1	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.5
2021	4	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

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	4	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
2021	4	60025	Greenbacker Renewable Energy Corporation	IPP	Forrest City- Eldridge Road	AR	64262	453	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2021	4	60025	Greenbacker Renewable Energy Corporation	IPP	Forrest City- Prison Site	AR	64261	361	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2021	4	60025	Greenbacker Renewable Energy Corporation	IPP	Hot Springs 2020	AR	64263	364	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2021	4	63694	Hecate Energy West Newberry, LLC	IPP	Hecate Energy West Newberry, LLC	SC	64061	HEWNB	3.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.3
2021	4	62763	Hecate Grid, LLC	IPP	Hecate Energy Johanna Facility	CA	62889	HEGJF	20.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	20.0
2021	4	62763	Hecate Grid, LLC	IPP	Hecate Energy Johanna Facility	CA	62889	HJFII	10.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	10.0
2021	4	9234	Indiana Municipal Power Agency	Electric Utility	Peru 2	IN	64246	PERU2	9.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	9.5
2021	4	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
2021	4	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
2021	4	62721	Maryneal Windpower, LLC	IPP	Maryneal Windpower	TX	62836	MNW	182.4	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	182.4
2021	4	12436	Michigan State University	Commercial	T B Simon Power Plant	MI	10328	GEN7	9.0	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	9.0
2021	4	12436	Michigan State University	Commercial	T B Simon Power Plant	MI	10328	GEN8	9.0	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	9.0
2021	4	12436	Michigan State University	Commercial	T B Simon Power Plant	MI	10328	GEN9	9.0	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	9.0
2021	4	63645	Nostrand Solar, LLC	IPP	Nostrand	IL	63991	NOS	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2021	4	63683	Olney Solar II, LLC	IPP	Olney Solar II	IL	64043	6778	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2021	4	63331	Organic Energy Solutions, Inc.	Electric CHP	OES Biogas Power	CA	63622	OES01	1.3	Other Waste Biomass	OBG	IC	(V) Under construction, more than 50 percent complete	1.3
2021	4	63331	Organic Energy Solutions, Inc.	Electric CHP	OES Biogas Power	CA	63622	OES02	1.3	Other Waste Biomass	OBG	IC	(V) Under construction, more than 50 percent complete	1.3
2021	4	63301	Paynesville CSG1 LLC	IPP	Paynesville CSG1, LLC	MN	63596	SC	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2021	4	63302	Plato CSG1 LLC	IPP	Plato CSG1, LLC	MN	63597	SC	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2021	4	60982	RE Maplewood LLC	IPP	RE Maplewood	TX	61346	PV2	28.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	28.0
2021	4	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
2021	4	64088	SSA Solar of CA 5, LLC	IPP	Vallecitos Water District	CA	64438	VALLE	1.4	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.4
2021	4	63303	Sacred Heart CSG1 LLC	IPP	Sacred Heart CSG1, LLC	MN	63598	SC	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2021	4	62113	Sage Draw Wind, LLC	IPP	Sage Draw Wind	TX	62620	SD	338.4	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	338.4
2021	4	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
2021	4	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
2021	4	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
2021	4	63432	SkyHigh 2 Solar	Commercial	EMWD - Moreno Valley RWRF	CA	64406	EMMOR	2.4	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.4
2021	4	63432	SkyHigh 2 Solar	Commercial	EMWD - Perris Valley RWRF	CA	64396	EMSJN	1.3	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.3
2021	4	63823	Solar Lee, LLC	IPP	Solar Lee, LLC	NC	64237	002	6.7	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	6.7
2021	4	17633	Southern Indiana Gas & Elec Co	Electric Utility	Troy Solar	IN	63929	TROY1	50.4	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	50.4
2021	4	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
2021	4	63304	Stewart CSG1 LLC	IPP	Stewart CSG1, LLC	MN	63599	SC	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2021	4	63865	Sweet Tea Solar, LLC	IPP	Sweet Tea Solar, LLC	NC	64273	018	4.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.5
2021	4	62919	TPE King Solar Holdings1 LLC	IPP	King CSG	RI	63135	KING1	7.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	7.0
2021	4	62919	TPE King Solar Holdings1 LLC	IPP	King CSG	RI	63135	KING2	7.8	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	7.8
2021	4	24211	Tucson Electric Power Co	Electric Utility	Oso Grande Wind Farm	NM	63502	OGW24	33.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	33.8
2021	4	24211	Tucson Electric Power Co	Electric Utility	Oso Grande Wind Farm	NM	63502	OGW45	216.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	216.0
2021	4	63604	Union Garden LLC	IPP	Union Garden	MN	63939	CGS	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2021	4	63550	Ventura Energy Storage, LLC	IPP	Saticoy	CA	63891	SATCY	100.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	100.0
2021	4	63646	Vulcan Solar, LLC	IPP	Vulcan	IL	63992	VUL	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2021	5	63012	2W Permian Solar, LLC	IPP	2W Permian Solar Project Hybrid	TX	63255	2WPBA	40.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	40.0
2021	5	63012	2W Permian Solar, LLC	IPP	2W Permian Solar Project Hybrid	TX	63255	2WPSO	420.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	420.0
2021	5	61012	AES Distributed Energy	IPP	W. Orange Rd Solar LLC	MA	63047	HEYES	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0
2021	5	61012	AES Distributed Energy	IPP	Wilbur Woods Solar LLC	MA	63048	DESMO	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0
2021	5	62119	Antelope Expansion 3A, LLC	IPP	Antelope Expansion 3A	CA	62673	ANX3A	15.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	15.0
2021	5	62118	Antelope Expansion 3B, LLC	IPP	Antelope Expansion 3B	CA	62674	ANX3B	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2021	5	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
2021	5	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
2021	5	1752	Biola University	Commercial	Biola University Hybrid	CA	54296	EG-1H	1.5	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	1.5
2021	5	1752	Biola University	Commercial	Biola University Hybrid	CA	54296	EG-2H	1.5	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	1.5
2021	5	62805	Bluestone Farm Solar, LLC	IPP	Bluestone Solar	VA	62950	BLUE1	49.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	49.9
2021	5	59844	Blythe Solar III, LLC	IPP	Blythe Solar III, LLC Hybrid	CA	60094	BLST3	115.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	115.0
2021	5	63883	Broad Reach Power	IPP	Pueblo BA	TX	64318	PBL1	9.9	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	9.9
2021	5	63883	Broad Reach Power	IPP	Pueblo BA	TX	64318	PBL2	9.9	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	9.9
2021	5	63883	Broad Reach Power	IPP	Zapata	TX	64322	ZPT1	9.9	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	9.9
2021	5	63883	Broad Reach Power	IPP	Zapata	TX	64322	ZPT2	9.9	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	9.9
2021	5	63631	Four Brothers 2, LLC	IPP	Hertford Solar Power, LLC	NC	63024	KEH	10.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	10.0
2021	5	6909	Gainesville Regional Utilities	Electric Utility	John R Kelly	FL	664	8.2	37.5	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	45.5
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	(U) Under construction, less than or equal to 50 percent complete	225.6
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	CS	(V) Under construction, more than 50 percent complete	664.7
2021	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
2021	5	9234	Indiana Municipal Power Agency	Electric Utility	Richmond 5	IN	64247	RICH5	9.2	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	9.2
2021	5	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	5	62897	MSB Investors, LLC	Electric CHP	Tajiguas Resource Recovery Project	CA	63094	SBAD1	1.1	Other Waste Biomass	OBG	IC	(V) Under construction, more than 50 percent complete	1.1
2021	5	62897	MSB Investors, LLC	Electric CHP	Tajiguas Resource Recovery Project	CA	63094	SBAD2	1.1	Other Waste Biomass	OBG	IC	(V) Under construction, more than 50 percent complete	1.1
2021	5	62915	Madison Energy Holdings LLC	IPP	RJC CSG, LLC	MN	63816	RJC01	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2021	5	12320	Merck & Co Inc	Industrial	Elkton	VA	52148	GEN6	1.2	Natural Gas Steam Turbine	NG	ST	(V) Under construction, more than 50 percent complete	1.2
2021	5	12320	Merck & Co Inc	Industrial	Elkton	VA	52148	GEN7	1.2	Natural Gas Steam Turbine	NG	ST	(V) Under construction, more than 50 percent complete	1.2
2021	5	63185	Neighborhood Power Corp.	IPP	River Valley Solar	OR	63665	W0054	1.9	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.9
2021	5	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
2021	5	61946	Prairie State Solar, LLC	IPP	Prairie State Solar Project	IL	62420	PSS01	99.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	99.0
2021	5	56215	RWE Renewables Americas LLC	IPP	Raymond Wind Farm, LLC	TX	62909	ERAYM	200.2	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	200.2
2021	5	64055	Rockford Baxter Rd Holdco LLC CSG	IPP	Rockford CSG	IL	64415	ROCKF	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2021	5	63100	SE Juno, LLC	IPP	Juno Solar Project	TX	63328	JUNO1	159.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	159.0
2021	5	16609	San Diego Gas & Electric Co	Electric Utility	Top Gun Energy Storage	CA	61366	TGES	30.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	30.0
2021	5	63522	Santa Ana Storage 1	IPP	Johanna Energy Center, LLC	CA	63843	SASP1	20.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	20.0
2021	5	63395	Spencer Solar Farm, LLC	IPP	Spencer Solar	MA	63676	SPENC	2.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.3
2021	5	63396	Sturbridge Road Solar Farm, LLC	IPP	Sturbridge Road Solar	MA	63677	STURB	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2021	5	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
2021	5	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
2021	5	62748	Wildcat I Energy Storage LLC	IPP	Wildcat I Energy Storage LLC	CA	62875	WILD1	3.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	3.0

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	5	64002	Wilmot Energy Center LLC	IPP	Wilmot Energy Center LLC	AZ	64426	WIL	130.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	130.0
2021	5	20856	Wisconsin Power & Light Co	Electric Utility	West Riverside Energy Center	WI	64020	PV1	4.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.4
2021	6	62984	AC Power 2 LLC	IPP	AC Power 2	NJ	63196	ACP2	3.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.8
2021	6	60496	Adapture Renewables, 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
2021	6	63666	Altavista Solar, LLC	IPP	Altavista Solar	VA	64019	ATLA	80.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	80.0
2021	6	60368	BRE NC Solar 4, LLC	IPP	BRE NC Solar 4	NC	60628	BEAM4	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2021	6	63668	Bauer Community Solar LLC	IPP	Bauer Solar CSG	MN	64029	TC3	0.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	0.9
2021	6	59842	Blythe Solar 110, LLC	IPP	Blythe Solar 110, LLC	CA	60093	BES1	63.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	63.0
2021	6	63883	Broad Reach Power	IPP	Bat Cave	TX	64312	BC	100.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	100.0
2021	6	63883	Broad Reach Power	IPP	North Fork TX	TX	64317	NF	100.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	100.0
2021	6	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
2021	6	61978	Convergent Energy and Power LP	IPP	Henrietta D Energy Storage LLC	CA	60641	HDES1	10.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	10.0
2021	6	63523	DePue Holdings, LLC	IPP	DePue Holdings, LLC	IL	63845	DEPUE	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2021	6	6455	Duke Energy Florida, LLC	Electric Utility	Trenton	FL	63995	ES1	11.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	11.0
2021	6	61785	EDP Renewables North America LLC	IPP	Headwaters Wind Farm II LLC	IN	62592	HWII	200.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	200.0
2021	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
2021	6	63653	Energix Nokesville, LLC	IPP	Energix Nokesville, LLC	VA	64012	ENX07	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2021	6	58596	Hanwha Q CELLS USA	IPP	Coniglio Solar	TX	62772	BTCON	123.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	123.6
2021	6	63715	Hecate Energy Albany 1 LLC	IPP	Hecate Energy Albany County 1	NY	64077	ALBNY	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2021	6	63453	Johnson Development Associates, Inc.	IPP	Pinson Solar Farm	SC	63777	1310	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	26.0
2021	6	63244	KSI II Consolidated, 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
2021	6	63244	KSI II Consolidated, LLC	IPP	Townsend Road	NY	64127	PODNQ	3.7	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.7
2021	6	63549	Lily Solar, LLC	IPP	Lily Solar Hybrid	TX	63892	LILY	146.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	181.0
2021	6	63549	Lily Solar, LLC	IPP	Lily Solar Hybrid	TX	63892	LILYB	50.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	50.0
2021	6	63647	Muscle Shoals Solar, LLC	IPP	Muscle Shoals	AL	62462	GEN01	227.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	227.0
2021	6	63774	Novel Novak Solar LLC	IPP	Novel Novak Solar LLC	MN	64153	NOVAK	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2021	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
2021	6	63082	ProEnergy Services	IPP	Topaz Generating	TX	63688	CTG-1	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	60.5
2021	6	63082	ProEnergy Services	IPP	Topaz Generating	TX	63688	CTG-2	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	60.5
2021	6	63082	ProEnergy Services	IPP	Topaz Generating	TX	63688	CTG-3	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	60.5
2021	6	63082	ProEnergy Services	IPP	Topaz Generating	TX	63688	CTG-4	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	60.5
2021	6	63082	ProEnergy Services	IPP	Topaz Generating	TX	63688	CTG-6	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	60.5
2021	6	63082	ProEnergy Services	IPP	Topaz Generating	TX	63688	CTG-7	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	60.5
2021	6	63082	ProEnergy Services	IPP	Topaz Generating	TX	63688	CTG-8	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	60.5
2021	6	63082	ProEnergy Services	IPP	Topaz Generating	TX	63688	CTG-9	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	60.5
2021	6	63082	ProEnergy Services	IPP	Topaz Generating	TX	63688	CTG10	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	60.5
2021	6	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	6	56215	RWE Renewables Americas LLC	IPP	West Raymond Wind Farm LLC	TX	62855	WRAYM	239.8	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	239.8
2021	6	63092	SE Titan, LLC	IPP	Titan Solar Project	TX	63320	IPTTN	260.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	260.0
2021	6	63669	San Bernardino Fuel Cell, LLC	Commercial	SB Water Reclamation Fuel Cell	CA	64027	MB19	1.4	Other Waste Biomass	OBG	FC	(V) Under construction, more than 50 percent complete	1.4
2021	6	64063	Schull CSG LLC	IPP	Schull CSG	MN	64413	SCHUL	0.4	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2021	6	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
2021	6	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
2021	6	60131	South Field Energy, LLC	IPP	South Field Energy	OH	60356	SFCT1	344.4	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	344.4
2021	6	60131	South Field Energy, LLC	IPP	South Field Energy	OH	60356	SFCT2	344.4	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	344.4
2021	6	60131	South Field Energy, LLC	IPP	South Field Energy	OH	60356	SFST1	260.8	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	260.8
2021	6	60131	South Field Energy, LLC	IPP	South Field Energy	OH	60356	SFST2	260.8	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	260.8
2021	6	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
2021	6	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
2021	6	60531	Standard Solar	IPP	USS Solar Brick	IL	63618	USBRK	2.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.0
2021	6	61668	Strauss Wind LLC	IPP	Strauss Wind Farm	CA	62113	ST-CA	98.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	98.8
2021	6	63328	USS Goodrich Solar	IPP	USS Goodrich Solar	IL	63620	USGCH	2.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.0
2021	6	63327	USS Grandpa Solar	IPP	USS Grandpa Solar	IL	63619	USGPA	1.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	1.0
2021	6	62978	USS Water City Solar LLC	IPP	USS Water City Solar LLC CSG	MN	63220	WTRCY	1.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.0
2021	6	62977	USS Water Fowl Solar LLC	IPP	USS Water Fowl Solar LLC CSG	MN	63219	WTRFL	1.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.0
2021	6	62976	USS Water Town Solar LLC	IPP	USS Water Town Solar LLC CSG	MN	63218	WTRTN	1.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.0
2021	6	19564	University of Notre Dame	Commercial	Notre Dame Hydro	IN	62918	HYD1	2.5	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	2.5
2021	6	62701	Vista Solar, Inc.	IPP	Bio-Rad	CA	63189	BIORD	2.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.5
2021	6	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
2021	6	62635	Wildcat Creek Wind Farm LLC	IPP	Wildcat Creek Wind Farm LLC	TX	62715	WCCWF	180.1	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	180.1
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	62006	7X Energy, Inc.	IPP	Taygete II Energy Project	TX	64075	TAYG2	203.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	203.8
2021	7	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	7	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	7	63571	Azure Sky Solar Project, LLC	IPP	Azure Sky Solar	TX	63905	ASKYS	225.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	225.0
2021	7	63767	Beam Renewable Energy, LLC	IPP	BRE NC Solar 2	NC	60626	BEAM2	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2021	7	63883	Broad Reach Power	IPP	Dickinson	TX	64314	DIKN	9.9	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	9.9
2021	7	61230	CD Arevon USA, Inc.	IPP	Cal Flats BESS	CA	63930	CF60	60.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	60.0
2021	7	63430	Chisholm Grid, LLC	IPP	Chisholm Grid Energy Storage System	TX	63737	CHS01	100.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	100.0
2021	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
2021	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
2021	7	56769	Consolidated Edison Development Inc.	IPP	Battle Mountain Solar Project	NV	61098	BMSP	101.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	101.0
2021	7	56769	Consolidated Edison Development Inc.	IPP	Copper Mountain Solar 5, LLC	NV	63504	CM5-1	250.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	252.0
2021	7	6455	Duke Energy Florida, LLC	Electric Utility	Cape San Blas	FL	63996	ES1	5.5	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	5.5
2021	7	56987	East Blackland Solar Project 1 LLC	IPP	East Blackland Solar Project 1	TX	57659	PSF	144.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	144.0
2021	7	58970	Ecoplexus, Inc	IPP	Camp San Luis Obispo	CA	63870	CPSLO	1.2	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.2
2021	7	58970	Ecoplexus, Inc	IPP	Kern Valley SP	CA	63875	KRNVL	3.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	3.0
2021	7	56615	First Solar Project Development	IPP	Sun Stream 2	AZ	63440	GEN01	150.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	150.0
2021	7	6452	Florida Power & Light Co	Electric Utility	Willow Solar Energy Center	FL	64301	WILLO	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2021	7	9234	Indiana Municipal Power Agency	Electric Utility	Anderson 4	IN	64248	SAND4	7.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	7.8
2021	7	61219	Longroad Energy Services LLC	IPP	Prospero Solar II	TX	64325	PROSP	250.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	250.0
2021	7	63403	Luna Storage, LLC	IPP	Luna Storage	CA	63685	LUNA	100.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	100.0
2021	7	62915	Madison Energy Holdings LLC	IPP	ESCA-LL-COLTON, LLC	CA	64270	COLT1	2.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.6
2021	7	58451	McCoy Solar, LLC	IPP	McCoy Solar Energy Project Hybrid	CA	58462	MCST1	230.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	230.0

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	7	13491	New York University	Commercial	New York University Central Plant	NY	54808	DE1	2.5	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	2.5
2021	7	13491	New York University	Commercial	New York University Central Plant	NY	54808	GR1	2.6	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	2.6
2021	7	63590	Novel Martens Solar LLC	IPP	Novel Martens Solar LLC	MN	63987	MRTNS	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2021	7	63775	Novel Shelly Solar LLC	IPP	Novel Shelly Solar LLC	MN	64154	SHLLY	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2021	7	63773	Orsted Onshore North America	IPP	Western Trail Wind, LLC	TX	64149	WTW	366.6	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	366.6
2021	7	14328	Pacific Gas & Electric Co.	Electric Utility	Elkhorn Battery Energy Storage System	CA	62564	ELKHO	182.5	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	182.5
2021	7	61593	Pleinmont Solar 2 LLC	IPP	Pleinmont Solar 2	VA	62013	PLNM2	240.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	240.0
2021	7	63082	ProEnergy Services	IPP	HO Clarke Generating	TX	63335	CTG-7	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	60.5
2021	7	63082	ProEnergy Services	IPP	HO Clarke Generating	TX	63335	CTG-8	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	60.5
2021	7	60982	RE Maplewood LLC	IPP	RE Maplewood	TX	61346	PV1	222.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	222.0
2021	7	63100	SE Juno, LLC	IPP	Juno Solar Project	TX	63328	IPJNO	141.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	141.0
2021	7	63432	SkyHigh 2 Solar	Industrial	CSU San Jose State University	CA	64401	CSUSJ	1.7	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.7
2021	7	63432	SkyHigh 2 Solar	Industrial	California State Univ at Channel Islands	CA	64403	CSUCI	4.3	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.3
2021	7	63432	SkyHigh 2 Solar	Commercial	EMWD - San Jacinto RES BCT	CA	64399	EMRES	4.2	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.2
2021	7	57281	University of Cincinnati	Commercial	East Campus Utility Plant	OH	57929	P058	2.5	Petroleum Liquids	DFO	IC	(T) Regulatory approvals received. Not under construction	2.5
2021	8	62049	Aquamarine Westside LLC	IPP	Aquamarine	CA	62547	AQUAM	250.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	250.0
2021	8	63571	Azure Sky Solar Project, LLC	IPP	Azure Sky Solar	TX	63905	ASKYB	77.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	77.0
2021	8	63611	Coso Battery Storage LLC	IPP	Coso Battery Storage	CA	63943	61730	60.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	60.0
2021	8	63991	DG New York CS, LLC	IPP	Sangerfield Solar CSG	NY	64372	SNGFD	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2021	8	61684	Diablo Energy Storage, LLC	IPP	Diablo Energy Storage	CA	62175	DIBLO	200.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	200.0
2021	8	63345	Flodquist Community Solar LLC	IPP	Flodquist Community Solar DE LLC	MN	64394	FLODQ	1.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.0
2021	8	6452	Florida Power & Light Co	Electric Utility	Fort Drum Energy Center	FL	64300	FORTD	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2021	8	62807	Hawtree Creek Farm Solar, LLC	IPP	Hawtree Solar	NC	62951	HAWT1	65.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	65.0
2021	8	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
2021	8	14354	PacifiCorp	Electric Utility	TB Flats	WY	62516	1	503.2	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	503.2
2021	8	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	8	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	8	17650	Southern Power Co	IPP	RE Garland	CA	60233	BESS1	88.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	88.0
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	8	63519	Trent River Solar, LLC	IPP	Trent River Solar, LLC	NC	63842	PGR25	78.7	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	78.7
2021	8	19539	University of Iowa	Commercial	University of Iowa Main Power Plant	IA	54775	GEN12	5.8	Natural Gas Steam Turbine	NG	ST	(U) Under construction, less than or equal to 50 percent complete	5.8
2021	8	19539	University of Iowa	Commercial	University of Iowa Main Power Plant	IA	54775	GEN13	10.0	Natural Gas Steam Turbine	NG	ST	(U) Under construction, less than or equal to 50 percent complete	10.0
2021	8	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
2021	9	62006	7X Energy, Inc.	IPP	Elara Solar	TX	64204	ELARA	130.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	132.4
2021	9	64050	Anderson Solar Farm, LLC	IPP	Anderson (SC)	SC	64409	ANDER	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
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	62659	BMP Wind LLC	IPP	BMP Wind (TX)	TX	62809	BMP	293.3	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	293.3
2021	9	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
2021	9	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	9	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	9	56769	Consolidated Edison Development Inc.	IPP	CED Denmark Solar Hybrid	ME	63898	DSBS	2.3	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	2.3
2021	9	56769	Consolidated Edison Development Inc.	IPP	CED Denmark Solar Hybrid	ME	63898	DSPV	2.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.5
2021	9	57365	Consolidated Edison Solutions Inc	IPP	CES Agawam Tuckahoe Solar Hybrid	MA	63763	ATES	2.3	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	2.3
2021	9	57365	Consolidated Edison Solutions Inc	IPP	CES Agawam Tuckahoe Solar Hybrid	MA	63763	ATPV	3.6	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.6
2021	9	61978	Convergent Energy and Power LP	IPP	Orange County Energy Storage 2	CA	62497	OCES2	9.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	9.0
2021	9	61978	Convergent Energy and Power LP	IPP	Orange County Energy Storage 3	CA	62499	OCES3	6.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	6.0
2021	9	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	9	63815	Dressor Plains Solar, LLC	IPP	Dressor Plains Solar, LLC	IL	64224	DPS	99.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	99.0
2021	9	6455	Duke Energy Florida, LLC	Electric Utility	Jennings Energy Storage Facility	FL	63998	ES1	5.5	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	5.5
2021	9	6455	Duke Energy Florida, LLC	Electric Utility	Micanopy Energy Storage Facility	FL	63999	ES1	8.3	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	8.3
2021	9	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
2021	9	63955	Farmington Solar, LLC	IPP	Farmington Solar	ME	64337	FNS	77.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	77.0
2021	9	61944	GSRP	IPP	Chevron - Lost Hills Hybrid	CA	63545	BESS1	10.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	10.0
2021	9	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	9	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	9	7140	Georgia Power Co	Electric Utility	Kings Bay Solar Facility	GA	59864	BESS	1.5	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	1.5
2021	9	19558	Homer Electric Assn Inc	Electric Utility	Soldotna	AK	57206	3	46.5	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	46.5
2021	9	9234	Indiana Municipal Power Agency	Electric Utility	Anderson 5	IN	64245	SAND5	3.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.0
2021	9	61762	Long Ridge Energy Generation LLC	IPP	Long Ridge Energy Generation	OH	61322	HPPP1	485.0	Natural Gas Fired Combined Cycle	NG	CC	(V) Under construction, more than 50 percent complete	521.9
2021	9	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	9	63139	Minonk Stewardship Wind LLC	IPP	Bennington Wind	IL	63384	BENN	93.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	93.0
2021	9	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
2021	9	14063	Oklahoma Gas & Electric Co	Electric Utility	Branch Solar Farm	AR	64392	CVS1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2021	9	63599	Pure Hedge LLC	IPP	Pure Hedge LLC	CT	50736	FSS13	20.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	20.0
2021	9	63599	Pure Hedge LLC	IPP	Pure Hedge LLC	CT	50736	FSS17	70.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	70.0
2021	9	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	9	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
2021	9	63101	SE Aragorn, LLC	IPP	Aragorn Solar Project	TX	63329	IPAGN	180.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	180.0
2021	9	63432	SkyHigh 2 Solar	Industrial	Niagara Bottling - Seguin	TX	64389	NIAGS	4.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.9
2021	9	60531	Standard Solar	IPP	USS Sycamore Solar	IL	63621	USSYC	2.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.0
2021	9	63493	Sugar Solar, LLC	IPP	Sugar Solar, LLC	NC	63807	PGR29	60.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	60.0
2021	9	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	9	63420	Taos Mesa Energy Facility, LLC	IPP	Taos Mesa Energy Facility Hybrid	NM	63728	BESS	12.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	12.0
2021	9	63420	Taos Mesa Energy Facility, LLC	IPP	Taos Mesa Energy Facility Hybrid	NM	63728	TMEF1	15.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	15.0
2021	9	63412	Westmoreland County Solar Project, LLC	IPP	Westmoreland County Solar Project	VA	63696	WEST	19.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	19.9
2021	10	61523	225DD 8me LLC	IPP	Galloway 1 Solar Farm	TX	61920	GSM01	250.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	250.0
2021	10	61514	Agilitas Energy, LLC	IPP	Auburn Solar Project	MA	64213	AUB	4.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.9
2021	10	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	10	63813	Assembly Solar III, LLC	IPP	Assembly Solar III	MI	64196	AS3	79.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	79.0
2021	10	15399	Avangrid Renewables LLC	IPP	Lund Hill Solar	WA	63509	LHS1	150.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	150.0
2021	10	64068	Black Rock Wind Force, LLC	IPP	Black Rock Wind	WV	64433	BRW	115.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	115.0
2021	10	60816	Boston Medical Center	Commercial	Boston Medical Center CHP Plant	MA	61186	BATT	1.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	1.0
2021	10	63883	Broad Reach Power	IPP	Sierra	CA	64320	SIER	10.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	10.0
2021	10	62886	Clover Creek Solar, LLC	IPP	Clover Creek Solar	UT	63061	CLVR	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	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	61060	Cypress Creek Renewables	IPP	Bay Tree	NC	63976	959	70.1	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	70.1
2021	10	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
2021	10	5248	Dominion Energy Inc	Electric Utility	Grassfield Solar	VA	64135	GFSO	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2021	10	63995	Glacier Sands Wind Power, LLC	IPP	Glacier Sands Wind Power, LLC	IL	64381	GS001	185.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	185.0
2021	10	49893	Invenergy Services LLC	IPP	Harry Allen Solar Energy LLC	NV	63080	GEN1	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
2021	10	63776	JSD Flatwood PV-1, LLC	IPP	Bryant Road Solar	SC	64155	2001	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2021	10	63776	JSD Flatwood PV-1, LLC	IPP	Davis Road Solar	SC	64156	2002	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2021	10	63776	JSD Flatwood PV-1, LLC	IPP	Fairview Solar	SC	64205	2003	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2021	10	63776	JSD Flatwood PV-1, LLC	IPP	Highway 9 Solar	SC	64206	2004	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2021	10	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	10	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	10	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	10	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Bighorn Solar 1	CO	63770	COBH1	240.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	240.0
2021	10	62780	RE Slate 1 LLC	IPP	Slate Hybrid	CA	63727	SLATE	300.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	300.0
2021	10	62780	RE Slate 1 LLC	IPP	Slate Hybrid	CA	63727	SLBES	300.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	315.0
2021	10	17650	Southern Power Co	IPP	RE Tranquillity	CA	59939	BESS1	72.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	72.0
2021	10	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	10	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	10	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	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
2021	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
2021	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
2021	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
2021	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
2021	10	59598	Tooele Army Depot	IPP	Tooele Army Depot	UT	59817	PV1	1.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.5
2021	10	63369	Yaphank Fuel Cell Park, LLC	IPP	SWM Fuel Cell	NY	63661	SWM-1	2.8	Other Natural Gas	NG	FC	(T) Regulatory approvals received. Not under construction	2.8
2021	10	63369	Yaphank Fuel Cell Park, LLC	IPP	SWM Fuel Cell	NY	63661	SWM-2	2.8	Other Natural Gas	NG	FC	(T) Regulatory approvals received. Not under construction	2.8
2021	10	63369	Yaphank Fuel Cell Park, LLC	IPP	SWM Fuel Cell	NY	63661	SWM-3	2.8	Other Natural Gas	NG	FC	(T) Regulatory approvals received. Not under construction	2.8
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	63699	BD Solar 2 LLC	IPP	Winslow PV - BD Solar 2 LLC	ME	64069	WINPV	7.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	7.0
2021	11	63700	BD Solar Ellsworth LLC	IPP	BD Solar Ellsworth LLC	ME	64070	ELLPV	7.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	7.0
2021	11	63698	BD Solar Hancock LLC	IPP	BD Solar Hancock LLC	ME	64068	HANPV	7.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	7.0
2021	11	63696	BD Solar Palmyra LLC	IPP	Palmyra PV - BD Solar Palmyra LLC	ME	64062	PALPV	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2021	11	63414	Cool Springs Solar, LLC	IPP	Cool Springs Solar (Hybrid)	GA	63721	COOLS	213.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	213.0
2021	11	63414	Cool Springs Solar, LLC	IPP	Cool Springs Solar (Hybrid)	GA	63721	CSBAT	40.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	40.0
2021	11	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
2021	11	61610	Delaware River Solar, LLC	IPP	Yellow Mills Rd #1 Community Solar Farm	NY	62517	1142	2.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.3
2021	11	61610	Delaware River Solar, LLC	IPP	Yellow Mills Rd #2 Community Solar Farm	NY	62518	1181	2.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.3
2021	11	61610	Delaware River Solar, LLC	IPP	Yellow Mills Rd #3 Community Solar Farm	NY	62519	1244	2.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.3
2021	11	6455	Duke Energy Florida, LLC	Electric Utility	Duette Solar Power Plant	FL	63978	PV1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2021	11	58970	Ecoplexus, Inc	IPP	High Shoals PV1	NC	59997	HISHO	16.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	16.0
2021	11	58970	Ecoplexus, Inc	IPP	Mule Creek State Prison	CA	63876	MLCRK	2.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.1
2021	11	63418	Elora Solar	IPP	Elora Solar	TN	63719	ELO	150.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	150.0
2021	11	56201	Engie North America	IPP	Iron Star Wind Project	KS	64003	WTG1	297.6	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	297.6
2021	11	56201	Engie North America	IPP	Priddy Wind Project	TX	64165	WTG1	302.4	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	302.4
2021	11	6452	Florida Power & Light Co	Electric Utility	Manatee Solar Energy Center	FL	60014	BMS	409.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	409.0
2021	11	7140	Georgia Power Co	Electric Utility	Vogtle	GA	649	3	1,100.0	Nuclear	NUC	ST	(V) Under construction, more than 50 percent complete	1,100.0
2021	11	63802	Independence Wind Energy LLC	IPP	Independence Wind Farm	IA	64183	IWE	54.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	54.0
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	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Briar Creek Solar 1	TX	63769	TXBC1	127.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	127.0
2021	11	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Elm Branch Solar 1	TX	63764	TXEB1	134.7	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	134.7
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	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	11	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
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	58159	Penn State University	Commercial	West Campus Steam Plant	PA	58194	WC6	0.7	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	2.8
2021	11	63999	Quinebaug Solar, LLC	IPP	Quinebaug Solar	CT	64387	QBS	49.4	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	49.4
2021	11	63957	Quitman II Solar, LLC	IPP	Quitman II Solar	GA	64335	QUIT2	150.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	150.0
2021	11	62780	RE Slate 1 LLC	IPP	Slate Hybrid	CA	63727	SLBSV	46.5	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	46.5
2021	11	62780	RE Slate 1 LLC	IPP	Slate Hybrid	CA	63727	SLSVC	93.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	93.0
2021	11	56215	RWE Renewables Americas LLC	IPP	Hickory Park Solar Hybrid	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 Hybrid	GA	63522	HPRK	195.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	195.5
2021	11	63783	Rockhaven Wind Project, LLC	IPP	Rockhaven Wind Project, LLC	OK	64172	RHWWT	140.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	140.0
2021	11	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	11	63432	SkyHigh 2 Solar	Commercial	BYU - Hawaii	HI	64400	BYUHI	3.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	3.1
2021	11	18454	Tampa Electric Co	Electric Utility	Big Bend	FL	645	GT5	360.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	392.0
2021	11	18454	Tampa Electric Co	Electric Utility	Big Bend	FL	645	GT6	360.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	392.0
2021	11	18454	Tampa Electric Co	Electric Utility	Mountain View Solar (FL)	FL	61664	GEN1	52.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	52.5
2021	11	60947	Tesla Inc.	Industrial	Tesla Reno GigaFactory	NV	64098	4	13.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	13.4
2021	11	60947	Tesla Inc.	Industrial	Tesla Reno GigaFactory	NV	64098	5	0.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	0.9
2021	11	60387	Townsite Solar, LLC	IPP	Townsite Solar Project Hybrid	NV	60654	GEN02	90.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	90.0
2021	12	61477	325MK 8me LLC	IPP	Eagle Shadow Mountain Solar Farm	NV	61852	ESMSF	300.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	300.0
2021	12	60496	Adapture Renewables, 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
2021	12	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
2021	12	59496	Allete Clean Energy	IPP	Caddo Wind	OK	64047	46002	303.6	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	303.6
2021	12	63862	Arlington Energy Center I	IPP	Arlington Energy Center I	CA	64272	AEC1	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
2021	12	15399	Avangrid Renewables LLC	IPP	Golden Hill Wind	OR	63710	GH1	201.3	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	201.3
2021	12	63697	BD Solar Auburn LLC	IPP	Auburn PV - BD Solar Auburn LLC	ME	64067	AUBPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2021	12	63701	BD Solar Lewiston Junction LLC	IPP	Lewiston Jn PV - BD Solar Lewiston Jn LLC	ME	64071	LJNPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
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	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
2021	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
2021	12	63221	CD4	IPP	CD4	CA	63490	OEC1	17.0	Geothermal	GEO	BT	(L) Regulatory approvals pending. Not under construction	25.0

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	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	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
2021	12	56769	Consolidated Edison Development Inc.	IPP	CED Centerville Wind	IA	64178	CENTW	7.9	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	7.9
2021	12	56769	Consolidated Edison Development Inc.	IPP	CED Manchester Wind	IA	64177	MANW	7.9	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	7.9
2021	12	63578	Dodge Flat Solar, LLC	IPP	Dodge Flat	NV	63913	DODGE	200.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	200.0
2021	12	62911	Drew Solar LLC	IPP	Drew Solar LLC	CA	63127	DS	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
2021	12	6455	Duke Energy Florida, LLC	Electric Utility	Charlie Creek Solar Power Plant	FL	63982	PV1	74.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.9
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	Pleasant Hill PV1	NC	63787	PHILL	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
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	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
2021	12	63772	Fish Springs Ranch Solar, LLC	IPP	Fish Springs	NV	64148	FISH	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
2021	12	63345	Flodquist Community Solar LLC	IPP	Flodquist Community Solar LLC	MN	63650	TC3	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
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	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	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
2021	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
2021	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
2021	12	60025	Greenbacker Renewable Energy Corporation	IPP	Graphite Solar I	UT	64186	394	81.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	81.9
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	63764	Haystack Wind Project, LLC	IPP	Haystack Wind Project, LLC	NE	64139	4444	298.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	298.0
2021	12	63497	Highest Power Solar, LLC	IPP	Highest Power Solar, LLC	NC	63812	PGR31	48.7	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	48.7
2021	12	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
2021	12	63835	Indiana Crossroads Wind Farms LLC	IPP	Indiana Crossroads Wind Farm LLC	IN	64230	GEN01	302.4	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	302.4
2021	12	9234	Indiana Municipal Power Agency	Electric Utility	Anderson 3	IN	64244	SAND3	7.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	7.0
2021	12	49893	Invenergy Services 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	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
2021	12	62912	Iris Solar LLC	IPP	Iris Solar LLC	LA	63128	ISLLC	50.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	50.0
2021	12	63765	Irish Creek Wind, LLC	IPP	Irish Creek Wind	KS	64138	ICW1	300.6	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	300.6
2021	12	63769	Lancaster Solar LLC	IPP	Lancaster Solar GA	GA	64150	LANCR	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
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
2021	12	63496	Lick Creek Solar, LLC	IPP	Lick Creek Solar, LLC	NC	63811	PGR27	50.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	50.0
2021	12	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Elk Hill Solar 1	PA	63773	PAEH1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2021	12	63756	Lily Pond Solar, LLC	IPP	Lily Pond Solar, LLC	VA	64134	ENX09	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2021	12	63956	Little Blue Wind Project, LLC	Industrial	Little Blue Wind Project, LLC	NE	64336	WFW	250.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	250.0
2021	12	63658	Long Beach Trigen, LLC	IPP	Toyota Long Beach Trigen	CA	64005	MMR-1	2.2	Other Waste Biomass	OBG	FC	(L) Regulatory approvals pending. Not under construction	2.8
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	63733	Maverick Solar 6, LLC	IPP	Maverick Solar 6, LLC	CA	64105	MAV03	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
2021	12	63733	Maverick Solar 6, LLC	IPP	Maverick Solar 6, LLC	CA	64105	MAV04	50.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	50.0
2021	12	63734	Maverick Solar 7, LLC	IPP	Maverick Solar 7, LLC	CA	64106	MAV05	132.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	132.0
2021	12	12303	Merck & Co Inc-West Point	Industrial	West Point (PA)	PA	52149	GEN17	2.0	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	2.0
2021	12	63971	Mtn Solar 6 LLC	IPP	Mtn Solar 6 LLC	CO	64352	SC	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2021	12	63977	NSE Camber BH CSG 2, LLC	IPP	NSE Camber BH CSG 2, LLC	CO	64355	SC	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2021	12	63972	NSE Camber Solar PS11 LLC	IPP	NSE Camber Solar PS11 LLC	CO	64353	SC	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2021	12	63981	NSE Camber Solar PS13 LLC	IPP	NSE Camber Solar PS13 LLC	CO	64356	SC	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2021	12	63984	NSE Camber Solar PS5 LLC	IPP	NSE Camber Solar PS5 LLC	CO	64358	SC	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2021	12	63983	NSE Camber Solar PS6 LLC	IPP	NSE Camber Solar PS6 LLC	CO	64357	SC	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2021	12	62759	National Grid Renewables	IPP	Prairie Wolf Solar LLC	IL	62893	PWOLF	200.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	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	14328	Pacific Gas & Electric Co.	Electric Utility	Renz Energy Storage	CA	63529	LLAGS	20.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	20.0
2021	12	62646	Painter Energy Storage, LLC	IPP	Painter Energy Storage	CA	62729	PAIN1	40.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	40.0
2021	12	56545	Pattern Operators LP	IPP	Clines Corners Wind Farm LLC	NM	64054	1	325.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	325.0
2021	12	56545	Pattern Operators LP	IPP	Duran Mesa LLC	NM	64065	1	105.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	105.0
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	Red Cloud Wind LLC	NM	63981	1	350.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	350.0
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	56545	Pattern Operators LP	IPP	Tecolote Wind LLC	NM	64066	1	272.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	272.0
2021	12	59967	Phoenix Energy	Electric CHP	North Fork Community Power	CA	60192	NFCP1	2.0	Other Waste Biomass	OBG	IC	(U) Under construction, less than or equal to 50 percent complete	2.0
2021	12	63982	Pivot Solar 12 LLC	IPP	Pivot Solar 12 LLC	CO	64359	SC	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
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	64081	Point Beach Solar	IPP	Point Beach Solar	WI	64431	PBS	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
2021	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
2021	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
2021	12	62780	RE Slate 1 LLC	IPP	Slate Hybrid	CA	63727	SL3EC	67.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	67.5
2021	12	62780	RE Slate 1 LLC	IPP	Slate Hybrid	CA	63727	SLB3C	33.8	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	33.8
2021	12	56215	RWE Renewables Americas LLC	IPP	Blackjack Creek Wind Farm	TX	62783	BLKJK	239.6	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	239.6
2021	12	63714	Route 66 Energy Center, LLC	IPP	Route 66 Energy Center, LLC	NM	64076	RTE66	49.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	49.5
2021	12	63869	SE Athos II, LLC	IPP	SE Athos II, LLC	CA	64290	IPAT2	200.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	200.0
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	63798	SR Lumpkin, LLC	IPP	SR Lumpkin	GA	64191	LUMP	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
2021	12	63770	SR Perry, LLC	IPP	SR Perry	GA	64151	PERRY	68.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	68.0
2021	12	60897	Salinas Valley Solid Waste Authority	IPP	Crazy Horse Solar Project	CA	61285	PV1	2.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.0
2021	12	16609	San Diego Gas & Electric Co	Electric Utility	Fallbrook Energy Storage	CA	61365	FBES	40.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	40.0
2021	12	62109	Searcy Solar, LLC	IPP	Searcy Solar Hybrid	AR	62617	SEABT	10.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	10.0
2021	12	62109	Searcy Solar, LLC	IPP	Searcy Solar Hybrid	AR	62617	SEARC	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
2021	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
2021	12	63257	Solar Carver 1, LLC	IPP	Solar Carver 1 Hybrid	MA	63541	BCRV1	2.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	2.0
2021	12	63257	Solar Carver 1, LLC	IPP	Solar Carver 1 Hybrid	MA	63541	SCRV1	2.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	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)
2021	12	63243	Solar Carver 3, LLC	IPP	Solar Carver 3 Hybrid	MA	63506	BCRV3	1.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	1.0
2021	12	63243	Solar Carver 3, LLC	IPP	Solar Carver 3 Hybrid	MA	63506	SCRV3	1.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	1.0
2021	12	62717	Speedway Solar NC, LLC	IPP	Speedway Solar NC, LLC	NC	62821	GEN1	22.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	22.6
2021	12	62744	St. James Solar, LLC	IPP	St. James Solar (LA)	LA	62854	SJS	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2021	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
2021	12	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	12	63718	Sunflower County Solar Project, LLC	IPP	Sunflower County	MS	64081	SUNFL	100.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	100.0
2021	12	58901	Sustainable Hydro, Braddock, LLC	IPP	Braddock Lock and Dam	PA	59091	GEN1	5.3	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	5.3
2021	12	60387	Townsite Solar, LLC	IPP	Townsite Solar Project Hybrid	NV	60654	GEN01	160.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	180.0
2021	12	63492	West River Solar, LLC	IPP	West River Solar, LLC	NC	63806	PGR28	40.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	40.0
2021	12	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	12	62668	Wheatridge Wind Holdings, 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 Holdings, LLC	IPP	Wheatridge Hybrid	OR	62745	SOLAR	50.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	50.0
2021	12	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
2022	1	62794	AP Solar 2, LLC	IPP	Fighting Jays Solar Project	TX	62945	FJSOL	350.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	350.0
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	6455	Duke Energy Florida, LLC	Electric Utility	Bay Trail Solar Power Plant	FL	64145	PV1	42.7	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	74.9
2022	1	58970	Ecoplexus, Inc	IPP	OAKBORO PV1	NC	63162	OAKPV	40.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	40.0
2022	1	63451	Madero Grid, LLC	IPP	Madero Grid	TX	63757	MAD01	100.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	100.0
2022	1	63502	Partin Solar, LLC	IPP	Partin Solar	NC	63827	95	50.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	50.0
2022	1	62780	RE Slate 1 LLC	IPP	Slate Hybrid	CA	63727	SLBPW	10.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	10.0
2022	1	62780	RE Slate 1 LLC	IPP	Slate Hybrid	CA	63727	SLPWR	26.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	26.0
2022	1	62699	SunEast Dog Corners Solar LLC	IPP	SunEast Dog Corners Solar Project	NY	62823	Q584	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2022	1	62757	SunEast Hills Solar LLC	IPP	SunEast Hills Solar Project	NY	62895	Q581	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2022	1	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
2022	1	62756	SunEast Watkins Road Solar LLC	IPP	SunEast Watkins Road Solar Project	NY	62896	Q586	20.0	Solar Photovoltaic	SUN	PV	(OT) Other	20.0
2022	1	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
2022	1	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
2022	2	61514	Agilitas Energy, LLC	IPP	Auburn Solar Project	MA	64213	BEAUB	3.8	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	3.8
2022	2	63784	Azure Sky Wind Project, LLC	IPP	Azure Sky Wind Project, LLC Hybrid	TX	64164	ASWWT	350.2	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	350.2
2022	2	63827	Bioenergy DevCo	Industrial	Maryland Food Center Authority AD	MD	64241	CHP1	1.1	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	1.1
2022	2	61519	Blackville Solar Farm, LLC	IPP	Blackville Solar Farm, LLC	SC	61918	1	7.2	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	7.2
2022	2	62091	Derby Fuel Cell LLC	IPP	Derby Fuel Cell	CT	62588	MM45	2.8	Other Natural Gas	NG	FC	(L) Regulatory approvals pending. Not under construction	2.8
2022	2	62091	Derby Fuel Cell LLC	IPP	Derby Fuel Cell	CT	62588	MM46	2.8	Other Natural Gas	NG	FC	(L) Regulatory approvals pending. Not under construction	2.8
2022	2	62091	Derby Fuel Cell LLC	IPP	Derby Fuel Cell	CT	62588	MM47	2.8	Other Natural Gas	NG	FC	(L) Regulatory approvals pending. Not under construction	2.8
2022	2	62091	Derby Fuel Cell LLC	IPP	Derby Fuel Cell	CT	62588	MM48	2.8	Other Natural Gas	NG	FC	(L) Regulatory approvals pending. Not under construction	2.8
2022	2	62091	Derby Fuel Cell LLC	IPP	Derby Fuel Cell	CT	62588	MM49	2.8	Other Natural Gas	NG	FC	(L) Regulatory approvals pending. Not under construction	2.8
2022	2	9234	Indiana Municipal Power Agency	Electric Utility	Anderson 6	IN	64249	SAND6	7.2	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	7.2
2022	2	49893	Invenergy Services LLC	IPP	Samson Solar Energy III LLC	TX	63883	GEN1	250.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	250.0
2022	2	49805	Kennecott Utah Copper	Industrial	Copperton Solar Plant No. 1	UT	64427	CSP1	2.3	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2022	2	55983	Luminant Generation Company LLC	IPP	DeCordova Steam Electric Station	TX	8063	BESS	260.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	269.1
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	63612	Perquimans Solar LLC	IPP	Perquimans Solar LLC	NC	63955	PERQU	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2022	2	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
2022	3	63722	Alta Farms II Wind Project, LLC	IPP	Alta Farms II Wind Project, LLC	IL	64088	WT2	200.5	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	200.5
2022	3	63784	Azure Sky Wind Project, LLC	IPP	Azure Sky Wind Project, LLC Hybrid	TX	64164	ASWBE	120.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	120.0
2022	3	63677	Caden Energix New Kent, LLC	IPP	Caden Energix New Kent, LLC	VA	64036	ENX08	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2022	3	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
2022	3	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
2022	3	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
2022	3	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
2022	3	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
2022	3	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
2022	3	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
2022	3	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
2022	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
2022	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
2022	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
2022	3	60688	FGE Goodnight, LLC	IPP	Goodnight	TX	59246	GOOD1	500.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	500.0
2022	3	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
2022	3	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
2022	3	63723	Ignacio Grid, LLC	IPP	Ignacio Grid Energy Storage System	TX	64089	IGN01	100.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	100.0
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	63289	Key Capture Energy	IPP	TX18 Cottage Meadow Storage	TX	63879	TX18	100.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	100.0
2022	3	62893	Mililani I Solar LLC	IPP	Mililani South Solar Farm	HI	57242	1	39.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	39.0
2022	3	63755	Old 300 Solar Center, LLC	IPP	Old 300 Solar Center, LLC	TX	64133	2222	430.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	430.0
2022	3	62780	RE Slate 1 LLC	IPP	Slate Hybrid	CA	63727	SLSTN	63.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	63.0
2022	3	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
2022	4	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
2022	4	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
2022	4	57416	Acciona Energy USA Global, LLC	IPP	Fort Bend Solar LLC	TX	63985	FBS	240.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	240.0
2022	4	3989	City of Colorado Springs - (CO)	Electric Utility	Martin Drake	CO	492	A1	27.3	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	40.6
2022	4	3989	City of Colorado Springs - (CO)	Electric Utility	Martin Drake	CO	492	A2	27.3	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	40.6
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	58468	Dominion Renewable Energy	IPP	Meherrin Solar	VA	62758	MEHER	59.6	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	59.6
2022	4	6455	Duke Energy Florida, LLC	Electric Utility	Sandy Creek Solar Power Plant	FL	64146	PV1	42.7	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	74.9
2022	4	9234	Indiana Municipal Power Agency	Electric Utility	Peru 3	IN	64250	PERU3	2.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.9
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

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	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	63426	RE Bravepost LLC	IPP	RE Bravepost LLC	TX	63730	BVPST	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2022	4	56215	RWE Renewables Americas LLC	IPP	Big Star Solar, LLC (Hybrid)	TX	64202	BGSTB	80.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	80.0
2022	4	56215	RWE Renewables Americas LLC	IPP	Big Star Solar, LLC (Hybrid)	TX	64202	BGSTS	200.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	200.0
2022	4	62983	SE Athos I, LLC	IPP	Athos Solar Project	CA	63300	IPAT1	250.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	250.0
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 Hybrid	CA	63508	CSBA1	11.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	11.0
2022	5	15399	Avangrid Renewables LLC	IPP	Camino Solar Hybrid	CA	63508	CSPV1	44.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	44.0
2022	5	3989	City of Colorado Springs - (CO)	Electric Utility	Martin Drake	CO	492	A3	27.3	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	40.6
2022	5	3989	City of Colorado Springs - (CO)	Electric Utility	Martin Drake	CO	492	A4	27.3	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	40.6
2022	5	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
2022	5	58970	Ecoplexus, Inc	IPP	Westminister NC	NC	63567	WSMTR	75.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	75.0
2022	5	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
2022	5	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
2022	5	11806	Massachusetts Mun Wholes Electric Co	Electric Utility	MMWEC Simple Cycle Gas Turbine	MA	63559	GT1	57.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	65.0
2022	5	58489	OCI Solar Power	IPP	OCI SunRay	TX	64258	OCISR	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2022	5	62152	Skipjack Solar Center, LLC	IPP	Skipjack Solar Center	VA	62675	SKIPJ	175.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	175.0
2022	5	63539	SunEast Fairway Solar LLC	IPP	SunEast Fariway Solar Project	NY	63865	Q#848	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2022	5	63551	SunEast Flat Hill Solar LLC	IPP	SunEast Flat Hill Solar Project	NY	63901	Q#865	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2022	5	63537	SunEast Grassy Knoll Solar LLC	IPP	SunEast Grassy Knoll Solar Project	NY	63863	Q#885	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2022	5	63540	SunEast Highview Solar LLC	IPP	SunEast Highview Solar Project	NY	63866	Q#591	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2022	5	63543	SunEast Hilltop Solar LLC	IPP	SunEast Hilltop Solar Project	NY	63868	Q#807	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2022	5	63538	SunEast Limestone Solar LLC	IPP	SunEast Limestone Solar Project	NY	63864	Q#806	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2022	5	63678	SunEast Manchester Solar LLC	IPP	SunEast Manchester Solar Project	NY	64037	Q#913	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2022	5	63536	SunEast Valley Solar LLC	IPP	SunEast Valley Solar Project	NY	63862	Q#828	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2022	5	59056	Tri Global Energy, LLC	IPP	Canyon Wind Project, LLC	TX	60271	WT1	201.8	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	201.8
2022	6	61222	174 Power Global Corp.	IPP	Gerdau	TX	63797	GER01	80.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	80.0
2022	6	61222	174 Power Global Corp.	IPP	Kupehau	HI	63799	KUP01	60.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	60.0
2022	6	61222	174 Power Global Corp.	IPP	Kupehau	HI	63799	KUPB1	60.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	60.0
2022	6	63826	201LC 8me LLC	IPP	Rockmont Solar and Storage Project	NM	64216	201LC	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2022	6	63826	201LC 8me LLC	IPP	Rockmont Solar and Storage Project	NM	64216	309SJ	200.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	200.0
2022	6	62921	Arroyo Solar LLC	IPP	Arroyo Solar Energy Storage Hybrid	NM	63172	ARESS	150.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	150.0
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	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
2022	6	61712	Atlantic Solar	IPP	Atlantic Solar	SC	62180	22	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2022	6	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
2022	6	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
2022	6	61714	Battle Solar	IPP	Battle Solar	SC	62182	24	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2022	6	61715	Bell Solar	IPP	Bell Solar	SC	62183	25	6.1	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	6.1
2022	6	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
2022	6	61717	Birch Solar	IPP	Birch Solar	SC	62185	27	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2022	6	63575	Bluegrass Solar, LLC	IPP	Bluegrass Solar	MD	63910	BGS	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
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	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
2022	6	61718	Chapman Solar	IPP	Chapman Solar	SC	62186	28	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2022	6	3989	City of Colorado Springs - (CO)	Electric Utility	Martin Drake	CO	492	A5	27.3	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	40.6
2022	6	3989	City of Colorado Springs - (CO)	Electric Utility	Martin Drake	CO	492	A6	27.3	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	40.6
2022	6	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
2022	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
2022	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
2022	6	61719	Clark Solar	IPP	Clark Solar	SC	62187	29	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2022	6	61720	Colleton Solar	IPP	Colleton Solar	SC	62188	30	75.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	75.0
2022	6	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
2022	6	61722	Crossroads Solar	IPP	Crossroads Solar	SC	62190	32	67.7	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	67.7
2022	6	61729	Culpepper Solar	IPP	Culpepper Solar	SC	62221	33	69.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	69.5
2022	6	61730	Dadswell Solar	IPP	Dadswell Solar	SC	62222	34	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2022	6	58970	Ecoplexus, Inc	IPP	E Nash PV3	NC	64369	ENSH3	26.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	26.0
2022	6	58970	Ecoplexus, Inc	IPP	Grifton PV2	NC	63568	GRFT2	56.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	56.0
2022	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
2022	6	61732	Fairfield Solar	IPP	Fairfield Solar	SC	62212	36	10.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	10.0
2022	6	61733	Fishwater Solar	IPP	Fishwater Solar	SC	62213	37	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
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	61735	Foreman Solar	IPP	Foreman Solar	SC	62215	39	6.4	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	6.4
2022	6	63524	Freepoint Commodities LLC	IPP	Raceway Solar	DE	63846	RACE	50.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	50.0
2022	6	61737	GEB Solar	IPP	GEB Solar	SC	62217	40	60.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	60.0
2022	6	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
2022	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
2022	6	63499	Gunsight Solar, LLC	IPP	Gunsight Solar, LLC	SC	63813	PGR26	75.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	75.0
2022	6	63967	Happy Hollow Solar Center,LLC	IPP	Happy Hollow Solar Center	GA	64348	8888	75.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	75.0
2022	6	63474	Hecate Energy Gedney Hill LLC	IPP	Hecate Energy Gedney Hill	NY	63815	GEDNY	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2022	6	63437	Helena Wind, LLC	IPP	Helena Wind	TX	63738	HEL	250.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	250.0
2022	6	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
2022	6	9234	Indiana Municipal Power Agency	Electric Utility	Richmond 6	IN	64252	RICH6	3.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.0
2022	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
2022	6	49893	Invenergy Services LLC	IPP	Delilah Solar Energy II LLC	TX	63884	GEN1	300.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	300.0
2022	6	61749	Jackson Solar	IPP	Jackson Solar	SC	62232	46	14.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	14.0
2022	6	61750	Jefferson Solar	IPP	Jefferson Solar	SC	62233	47	8.2	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	8.2
2022	6	61751	Juniper Solar	IPP	Juniper Solar	SC	62234	48	65.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	65.5
2022	6	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
2022	6	61753	Luz Solar	IPP	Luz Solar	SC	62236	50	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2022	6	61755	Marshall Solar	IPP	Marshall Solar	SC	62238	52	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	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)
2022	6	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
2022	6	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
2022	6	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
2022	6	61789	McClain Solar	IPP	McClain Solar	SC	62278	56	17.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	17.3
2022	6	61790	McCormick Solar	IPP	McCormick Solar	SC	62279	57	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2022	6	61791	Melsam Solar	IPP	Melsam Solar	SC	62280	58	60.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	60.5
2022	6	61792	Middleton Solar	IPP	Middleton Solar	SC	62281	59	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2022	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
2022	6	58489	OCI Solar Power	IPP	Golinda Solar	TX	64260	OCISO	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2022	6	58489	OCI Solar Power	IPP	Spanish Crown	TX	64259	OCICR	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2022	6	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
2022	6	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
2022	6	61795	Power Solar	IPP	Power Solar	SC	62284	62	3.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.0
2022	6	63082	ProEnergy Services	IPP	Braes Bayou Plant	TX	64383	CTG-1	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	60.5
2022	6	63082	ProEnergy Services	IPP	Braes Bayou Plant	TX	64383	CTG-2	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	60.5
2022	6	63082	ProEnergy Services	IPP	Braes Bayou Plant	TX	64383	CTG-3	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	60.5
2022	6	63082	ProEnergy Services	IPP	Braes Bayou Plant	TX	64383	CTG-4	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	60.5
2022	6	63082	ProEnergy Services	IPP	Braes Bayou Plant	TX	64383	CTG-5	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	60.5
2022	6	63082	ProEnergy Services	IPP	Braes Bayou Plant	TX	64383	CTG-6	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	60.5
2022	6	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
2022	6	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
2022	6	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
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	61807	Quest Solar	IPP	Quest Solar	SC	62299	66	40.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	40.0
2022	6	56215	RWE Renewables Americas LLC	IPP	Baron Winds Farm	NY	60596	1	130.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	130.0
2022	6	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
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	61808	Rollins Solar	IPP	Rollins Solar	SC	62295	67	63.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	63.0
2022	6	61809	Ross Solar	IPP	Ross Solar	SC	62296	68	75.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	75.0
2022	6	61810	Rutledge Solar	IPP	Rutledge Solar	SC	62297	69	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2022	6	63778	SR Litchfield, LLC	IPP	SR Litchfield	CT	64161	LITCH	19.8	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	19.8
2022	6	63781	SR North Stonington, LLC	IPP	SR North Stonington	CT	64160	STONE	9.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	9.9
2022	6	61814	Sandifer Solar	IPP	Sandifer Solar	SC	62298	70	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2022	6	61828	Scarlet Solar	IPP	Scarlet Solar	SC	62307	71	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2022	6	61829	Shem Solar	IPP	Shem Solar	SC	62308	72	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2022	6	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
2022	6	61831	Shorthorn Solar	IPP	Shorthorn Solar	SC	62310	74	60.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	60.5
2022	6	61832	Snoopy Solar	IPP	Snoopy Solar	SC	62311	75	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2022	6	61833	Southard Solar	IPP	Southard Solar	SC	62312	76	6.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	6.0
2022	6	63515	Sparta Solar, LLC	IPP	Sparta Solar	TX	63840	1111	250.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	250.0
2022	6	61834	Stamey Solar	IPP	Stamey Solar	SC	62313	77	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2022	6	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
2022	6	61836	Tedder Solar	IPP	Tedder Solar	SC	62315	79	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2022	6	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
2022	6	61862	Thomas Solar	IPP	Thomas Solar	SC	62352	81	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2022	6	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
2022	6	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
2022	6	61859	Ulmer Solar	IPP	Ulmer Solar	SC	62343	85	22.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	22.0
2022	6	61868	WSW Solar	IPP	WSW Solar	SC	62350	86	10.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	10.8
2022	6	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
2022	6	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
2022	6	61865	Wayfair Solar	IPP	Wayfair Solar	SC	62345	89	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2022	6	61866	Weaver Solar	IPP	Weaver Solar	SC	62347	90	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2022	6	61869	Wysong Solar	IPP	Wysong Solar	SC	62351	92	2.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.3
2022	6	61870	Yemassee Solar	IPP	Yemassee Solar	SC	62353	93	10.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	10.0
2022	6	61871	York Solar	IPP	York Solar	SC	62354	94	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2022	7	60146	Ameresco Federal Solutions	IPP	Fort Bragg - Camp Mackall PV BESS System	NC	64050	CMABS	2.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	2.0
2022	7	60146	Ameresco Federal Solutions	IPP	Fort Bragg - Camp Mackall PV BESS System	NC	64050	CMAPV	1.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.0
2022	7	58970	Ecoplexus, Inc	IPP	East Nash PV2	NC	63789	ENSH2	23.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	23.4
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	7	18642	Tennessee Valley Authority	Electric Utility	Vonore Battery Energy Storage System	TN	64255	VBESS	20.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	20.0
2022	8	60796	91MC 8me LLC	IPP	Aratina Solar Center 1 Hybrid	CA	61167	91MC8	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2022	8	60796	91MC 8me LLC	IPP	Aratina Solar Center 1 Hybrid	CA	61167	BESS	50.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	50.0
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	8	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Blackbear Solar 1	AL	63765	ALBB1	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2022	9	63830	7V Solar Ranch, LLC	IPP	7V Solar Ranch	TX	64239	7V1	240.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	240.0
2022	9	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
2022	9	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
2022	9	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
2022	9	5248	Dominion Energy Inc	IPP	Norge Solar Farm	VA	64086	NORG	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2022	9	5248	Dominion Energy Inc	Electric Utility	Sycamore Solar	VA	64136	SYSO	42.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	42.0
2022	9	63828	Empire Community Solar LLC	IPP	Holley Road Solar	NY	64240	#0879	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
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	9	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
2022	9	63416	Ho'Ohana Solar 1 LLC	IPP	Ho'Ohana Solar 1	HI	63723	H0001	52.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	52.0
2022	9	63416	Ho'Ohana Solar 1 LLC	IPP	Ho'Ohana Solar 1	HI	63723	HESS1	52.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	52.0
2022	9	63636	Homestead Fuel Cell 1, LLC	IPP	Homestead Fuel Cell	CT	63980	MM50	2.8	Other Natural Gas	NG	FC	(P) Planned for installation, but regulatory approvals not initiated	2.8

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2022	9	63636	Homestead Fuel Cell 1, LLC	IPP	Homestead Fuel Cell	CT	63980	MM51	2.8	Other Natural Gas	NG	FC	(P) Planned for installation, but regulatory approvals not initiated	2.8
2022	9	63636	Homestead Fuel Cell 1, LLC	IPP	Homestead Fuel Cell	CT	63980	MM52	2.8	Other Natural Gas	NG	FC	(P) Planned for installation, but regulatory approvals not initiated	2.8
2022	9	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Happy Solar 1	AR	63766	ARHA1	95.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	95.0
2022	9	59489	Perennial-Wind Chaser LLC	IPP	Perennial Wind Chaser Station	OR	59721	GT1	98.7	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	106.0
2022	9	59489	Perennial-Wind Chaser LLC	IPP	Perennial Wind Chaser Station	OR	59721	GT2	98.7	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	106.0
2022	9	59489	Perennial-Wind Chaser LLC	IPP	Perennial Wind Chaser Station	OR	59721	GT3	98.7	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	106.0
2022	9	59489	Perennial-Wind Chaser LLC	IPP	Perennial Wind Chaser Station	OR	59721	GT4	98.7	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	106.0
2022	9	56215	RWE Renewables Americas LLC	IPP	Fifth Standard Solar PV, LLC (Hybrid)	CA	64197	FTHSB	117.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	117.0
2022	9	56215	RWE Renewables Americas LLC	IPP	Fifth Standard Solar PV, LLC (Hybrid)	CA	64197	FTHSS	150.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	150.0
2022	9	63759	Triple Oak Power 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
2022	10	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
2022	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
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	63638	Horseshoe Solar, LLC	IPP	Horseshoe Solar, LLC	UT	63984	HSS	75.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	75.0
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	63639	Rocket Solar, LLC	IPP	Rocket Solar, LLC	UT	63983	RS	80.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	80.0
2022	10	63541	SunEast Tabletop Solar LLC	IPP	SunEast Tabletop Solar Project	NY	63867	Q#869	80.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	80.0
2022	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
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	61012	AES Distributed Energy	IPP	AES Waikoloa Solar Hybrid	HI	63900	KLOAB	30.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	30.0
2022	11	61012	AES Distributed Energy	IPP	AES Waikoloa Solar Hybrid	HI	63900	YKLOA	30.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	30.0
2022	11	15399	Avangrid Renewables LLC	IPP	Mohawk Solar	NY	64253	S1	90.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	90.5
2022	11	63965	Badger Wind , LLC	IPP	Badger Wind, LLC	ND	64342	5555	252.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	252.0
2022	11	62734	Blue Marmot IX LLC	IPP	Blue Marmot IX	OR	62867	DVRO	9.8	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	10.0
2022	11	62735	Blue Marmot V LLC	IPP	Blue Marmot V	OR	62866	DNZE	9.8	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	10.0
2022	11	62736	Blue Marmot VI LLC	IPP	Blue Marmot VI	OR	62865	DNZW	9.8	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	10.0
2022	11	62737	Blue Marmot VII LLC	IPP	Blue Marmot VII	OR	62864	RSHEI	9.8	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	10.0
2022	11	62738	Blue Marmot VIII LLC	IPP	Blue Marmot VIII	OR	62863	PRMLE	9.8	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	10.0
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	63726	Renewable Energy Ventures LLC	IPP	Forest Grove - Dodd	TX	64131	FGPV1	400.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	400.6
2022	11	63726	Renewable Energy Ventures LLC	IPP	Oak Hill - Dry Creek	TX	64132	PV1	390.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	390.9
2022	12	61222	174 Power Global Corp.	IPP	Atlas	AZ	63798	ATL01	300.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	300.0
2022	12	61222	174 Power Global Corp.	IPP	Atlas	AZ	63798	ATLB1	300.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	300.0
2022	12	61012	AES Distributed Energy	IPP	AES Maui Kuihelani Solar Hybrid	HI	64256	KLNIB	60.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	60.0
2022	12	61012	AES Distributed Energy	IPP	AES Maui Kuihelani Solar Hybrid	HI	64256	KULNI	60.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	60.0
2022	12	57416	Acciona Energy USA Global, LLC	IPP	High Point Solar LLC	IL	63838	HPS	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
2022	12	60776	Aksamit Resource Management	IPP	Milligan III Wind Farm	NE	61159	M3001	73.4	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	73.4
2022	12	63494	Allora Solar, LLC	IPP	Allora Solar, LLC	SC	63808	PGR30	75.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	75.0
2022	12	63803	Apex Solar LLC	IPP	Rattlesnake Solar	MT	64189	RSNAK	80.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	80.0
2022	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
2022	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
2022	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
2022	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
2022	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
2022	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
2022	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
2022	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
2022	12	63964	Armadillo Solar Center, LLC	IPP	Armadillo Solar Center	TX	64349	6666	175.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	175.0
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	Bakeoven Solar	OR	63507	BOS2	140.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	140.0
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	63793	Bear Branch Solar	IPP	Bear Branch Solar	NC	64168	GEN	35.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	35.0
2022	12	63421	Biggs Ford Solar Center, LLC	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	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
2022	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
2022	12	63526	Chestnut Westside, LLC	IPP	Chestnut	CA	63849	CHNUT	150.6	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	150.6
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	54803	Dynegy Oakland, LLC	IPP	Dynegy Oakland Power Plant	CA	6211	GEN4	36.3	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	36.3
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	63559	Edmondson Ranch Wind, LLC	IPP	Edmondson Ranch Wind, LLC	TX	63890	ERWE	293.3	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	293.3
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	White Wing Solar	AZ	60572	GEN01	200.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	200.0
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	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
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 2	550.0	Natural Gas Fired Combined Cycle	NG	CS	(P) Planned for installation, but regulatory approvals not initiated	660.0
2022	12	63553	Haymaker Energy Project LLC	IPP	Haymaker Hybrid	MT	63878	HBESS	200.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	200.0
2022	12	63837	Hecate Energy Frye Solar LLC	IPP	Hecate Energy Frye Solar LLC	TX	64233	80995	500.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	500.0
2022	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
2022	12	63792	Hornet Solar	IPP	Hornet Solar	NC	64167	GEN	75.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	75.0
2022	12	63791	Hunters Cove Solar	IPP	Hunters Cove Solar	NC	64166	GEN	50.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	50.0
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	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
2022	12	64077	JVR Energy Park LLC	IPP	JVR Energy Park LLC	CA	64428	JVR1A	90.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	90.0
2022	12	64077	JVR Energy Park LLC	IPP	JVR Energy Park LLC	CA	64428	JVR1B	70.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	70.0
2022	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

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	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
2022	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
2022	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
2022	12	63289	Key Capture Energy	IPP	TX17 Nickel Prairie Storage	TX	63880	TX17	100.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	100.0
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	63672	MTSUN LLC	IPP	MTSUN	MT	64032	MTSUN	80.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	80.0
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	63427	Neptune Energy Center, LLC	IPP	Neptune Energy Center Hybrid	CO	63731	NT125	125.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	125.0
2022	12	63427	Neptune Energy Center, LLC	IPP	Neptune Energy Center Hybrid	CO	63731	NT325	250.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	250.0
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	63574	Otter Creek Solar LLC	IPP	Otter Creek Solar	VA	63909	OTTER	60.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	60.0
2022	12	63501	Panther Grove Wind, LLC	IPP	Panther Grove Wind, LLC	IL	63818	78787	400.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	400.0
2022	12	63969	Placid Solar, LLC	IPP	Highland Solar North	FL	64345	1112	74.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	74.9
2022	12	63969	Placid Solar, LLC	IPP	Highland Solar South	FL	64346	9999	74.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	74.9
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	Coyote Crest Wind Farm	WA	58778	1	127.5	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	127.5
2022	12	56215	RWE Renewables Americas LLC	IPP	Willowbrook Solar I, LLC	OH	63877	WBS	150.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	150.0
2022	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
2022	12	27075	San Diego County Water Auth	IPP	Alvarado Hydro Facility	CA	54242	SD28H	1.4	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	1.4
2022	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
2022	12	62908	Sand Hill B, LLC	IPP	Sand Hill B	CA	63652	SNDHB	17.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	17.0
2022	12	62909	Sand Hill C, LLC	IPP	Sand Hill C	CA	63653	SNDHC	80.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	80.0
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	63454	Thunder Wolf Energy Center, LLC	IPP	Thunder Wolf Energy Center Hybrid	CO	63776	TW100	100.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	100.0
2022	12	63454	Thunder Wolf Energy Center, LLC	IPP	Thunder Wolf Energy Center Hybrid	CO	63776	TW300	200.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	200.0
2022	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
2022	12	63525	Westlands Solar Blue, LLC	IPP	Solar Blue	CA	63848	SBLUE	250.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	250.0
2022	12	20847	Wisconsin Electric Power Co	Electric Utility	Badger Hollow II	WI	64393	GEN2	150.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	150.0
2022	12	20860	Wisconsin Public Service Corp	IPP	Badger Hollow I	WI	62955	GEN1	300.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	300.0
2022	12	61198	esVolta LP	IPP	Goleta Grid Resiliency	CA	63736	BESS1	10.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	10.0
2023	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
2023	1	62759	National Grid Renewables	IPP	Elk Creek Solar	MN	63250	ELKCR	80.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	80.0
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	15399	Avangrid Renewables LLC	IPP	Great Bear Solar, LLC	OH	64073	GBS	46.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	46.0
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	3	61130	Helix Ravenswood, LLC	IPP	Ravenswood	NY	2500	RWES1	129.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	129.0
2023	3	61130	Helix Ravenswood, LLC	IPP	Ravenswood	NY	2500	RWES2	98.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	98.0
2023	3	61130	Helix Ravenswood, LLC	IPP	Ravenswood	NY	2500	RWES3	89.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	89.0
2023	3	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
2023	3	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
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	4	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
2023	4	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
2023	5	63601	CPV Three Rivers, LLC	IPP	CPV Three Rivers Energy Center	IL	63931	GEN1	607.0	Natural Gas Fired Combined Cycle	NG	CS	(U) Under construction, less than or equal to 50 percent complete	650.0
2023	5	63601	CPV Three Rivers, LLC	IPP	CPV Three Rivers Energy Center	IL	63931	GEN2	607.0	Natural Gas Fired Combined Cycle	NG	CS	(U) Under construction, less than or equal to 50 percent complete	650.0
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	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
2023	5	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
2023	5	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
2023	5	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
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	Lowman Energy Center	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	Lowman Energy Center	AL	56	LEC2	245.0	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	272.2
2023	5	58846	Southeast Renewable Fuels, LLC	Industrial	SRF Pulp Processing Facility	FL	58997	G1001	12.0	Wood/Wood Waste Biomass	WDS	ST	(U) Under construction, less than or equal to 50 percent complete	20.0
2023	6	63806	26SB 8me LLC	IPP	Bellefield 2 Solar & Energy Storage Farm	CA	64209	26SBA	500.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	500.0
2023	6	63806	26SB 8me LLC	IPP	Bellefield 2 Solar & Energy Storage Farm	CA	64209	26SBB	500.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	500.0
2023	6	63807	302PN 8me LLC	IPP	Red Antelope Solar & Energy Storage Farm	AZ	64208	30PNA	500.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	500.0
2023	6	63807	302PN 8me LLC	IPP	Red Antelope Solar & Energy Storage Farm	AZ	64208	30PNB	500.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	500.0
2023	6	63520	326FW 8me LLC	IPP	Arida Solar	NV	63841	ARIDA	370.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	370.0
2023	6	63825	45MG 8me LLC	IPP	Aratina Solar Center 2	CA	64215	45MGA	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2023	6	63825	45MG 8me LLC	IPP	Aratina Solar Center 2	CA	64215	45MGB	200.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	200.0
2023	6	63805	50LW 8me LLC	IPP	Bellefield Solar and Energy Storage Farm	CA	64210	50LWA	500.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	500.0
2023	6	63805	50LW 8me LLC	IPP	Bellefield Solar and Energy Storage Farm	CA	64210	50LWB	500.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	500.0
2023	6	63832	Hecate Energy Harley Hand Solar LLC	IPP	Hecate Energy Harley Hand Solar LLC	TX	64234	19936	500.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	500.0
2023	6	49893	Invenergy Services LLC	IPP	Hardin Solar Energy II LLC	OH	63828	GEN1	170.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	170.0
2023	6	49893	Invenergy Services LLC	IPP	Samson Solar Energy II LLC	TX	63882	GEN1	200.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	200.0
2023	6	63968	Mockingbird Solar Center, LLC	IPP	Mockingbird Solar Center	TX	64347	7777	400.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	400.0
2023	6	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	CTG01	431.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	431.0
2023	6	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
2023	6	56215	RWE Renewables Americas LLC	IPP	Mason Dixon Wind Farm	PA	60212	1	79.9	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	79.9

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)
2023	6	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
2023	6	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
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	59434	Mattawoman Energy, LLC	IPP	Mattawoman Energy Center	MD	59662	CGT11	286.0	Natural Gas Fired Combined Cycle	NG	CC	(T) Regulatory approvals received. Not under construction	286.0
2023	7	59434	Mattawoman Energy, LLC	IPP	Mattawoman Energy Center	MD	59662	CGT12	286.0	Natural Gas Fired Combined Cycle	NG	CC	(T) Regulatory approvals received. Not under construction	286.0
2023	7	59434	Mattawoman Energy, LLC	IPP	Mattawoman Energy Center	MD	59662	STG11	436.0	Natural Gas Fired Combined Cycle	NG	CC	(T) Regulatory approvals received. Not under construction	436.0
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	ABEC2	158.5	Natural Gas with Compressed Air Storage	NG	CE	(T) Regulatory approvals received. Not under construction	158.5
2023	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
2023	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
2023	9	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
2023	9	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
2023	9	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
2023	9	7570	Great River Energy	Electric Utility	Cambridge CT Hybrid	MN	2038	BA1	0.8	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	1.0
2023	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
2023	10	63579	Illinois Winds LLC	IPP	Panther Creek Wind Project	IL	63907	WTGE	44.5	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	46.3
2023	10	61914	Juwi Inc	IPP	Spanish Peaks Solar	CO	62379	47301	140.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	140.0
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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	6.0
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	11	195	Alabama Power Co	Electric Utility	Barry	AL	3	A3C1	385.0	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	464.0
2023	11	195	Alabama Power Co	Electric Utility	Barry	AL	3	A3ST	300.0	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	310.0
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	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
2023	11	49893	Invenergy Services LLC	IPP	Crescent Valley Solar	NV	62888	GEN1	149.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	149.0
2023	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
2023	11	60971	NYC ENERGY LLC	IPP	NISA Electric Generation Project	NY	61331	BA1	300.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	300.0
2023	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
2023	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
2023	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
2023	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
2023	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	6.0
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	12	63448	Aiya Solar CEI, LLC	IPP	Aiya Solar Project	NV	59869	GEN01	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2023	12	59495	Ameren Missouri	Electric Utility	Green City Renewable Energy Center Hybrid	MO	63065	GBESS	2.5	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	2.5
2023	12	59495	Ameren Missouri	Electric Utility	Green City Renewable Energy Center Hybrid	MO	63065	GCREC	10.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	10.0

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)
2023	12	59495	Ameren Missouri	Electric Utility	Richwoods Renewable Energy Center Hybrid	MO	63066	RBESS	4.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	4.0
2023	12	59495	Ameren Missouri	Electric Utility	Richwoods Renewable Energy Center Hybrid	MO	63066	RREC	10.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	10.0
2023	12	59495	Ameren Missouri	Electric Utility	Utica Renewable Energy Center Hybrid	MO	63067	UBESS	2.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	2.0
2023	12	59495	Ameren Missouri	Electric Utility	Utica Renewable Energy Center Hybrid	MO	63067	UREC	10.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	10.0
2023	12	63702	Barbers Point Solar, LLC	IPP	Barbers Point Solar, LLC	HI	64094	BPBA	15.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	15.0
2023	12	63702	Barbers Point Solar, LLC	IPP	Barbers Point Solar, LLC	HI	64094	BPSOL	15.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	15.0
2023	12	63799	Cabin Creek Solar I LLC	IPP	Cabin Creek Solar	MT	64199	CBCK1	75.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	75.0
2023	12	63819	Cabin Creek Solar II LLC	IPP	Cabin Creek Solar II	MT	64203	CBCK2	75.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	75.0
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	63464	Crossroads Solar, LLC	IPP	Crossroads Solar (PA)	PA	63785	CROSS	50.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	50.0
2023	12	63524	Freepoint Commodities LLC	IPP	Shaftsbury Solar	VT	64064	SHAFT	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2023	12	63553	Haymaker Energy Project LLC	IPP	Haymaker Hybrid	MT	63878	HAY	600.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	600.0
2023	12	63782	Hecate Energy Cider Solar LLC	IPP	Hecate Energy Cider Solar LLC	NY	64163	11111	500.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	500.0
2023	12	63839	Hecate Grid Clermont 1 LLC	IPP	Clermont	NY	64236	CLRMT	100.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	100.0
2023	12	63838	Hecate Grid Swiftsure LLC	IPP	Swiftsure	NY	64235	SWFTS	650.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	650.0
2023	12	63959	Horizon Hill Wind, LLC	IPP	Horizon Hill Wind Project	OK	64339	HHILL	200.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	200.0
2023	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
2023	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
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	63703	Kahana Solar, LLC	IPP	Kahana Solar, LLC	HI	64095	KSBA	20.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	20.0
2023	12	63703	Kahana Solar, LLC	IPP	Kahana Solar, LLC	HI	64095	KSSOL	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2023	12	63504	Kruger Energy Mantura Solar, LLC	IPP	Kruger Energy Mantura Solar, LLC	VA	63822	KEMS	60.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	60.0
2023	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
2023	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
2023	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
2023	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
2023	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
2023	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
2023	12	13407	Nevada Power Co	Electric Utility	Dry Lake Solar Energy Center	NV	63933	DLES1	100.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	100.0
2023	12	13407	Nevada Power Co	Electric Utility	Dry Lake Solar Energy Center	NV	63933	DLPV1	150.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	150.0
2023	12	63217	Obsidian Solar Center LLC	IPP	Obsidian Solar Center	OR	63488	OBSLR	400.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	400.0
2023	12	63463	Palomino Solar, LLC	IPP	Palomino Solar	OH	63784	PLMNO	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2023	12	63821	Pike Solar LLC	IPP	Pike Solar Hybrid	CO	64212	CO465	175.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	175.0
2023	12	63821	Pike Solar LLC	IPP	Pike Solar Hybrid	CO	64212	PSBES	25.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	25.0
2023	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
2023	12	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
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	63954	Shepherd's Run Solar	IPP	Shepherd's Run Solar	NY	64188	PV	60.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	60.0
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
2023	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
2023	12	59056	Tri Global Energy, LLC	IPP	Cone Renewable Energy Project, LLC	TX	60272	WT1	300.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	300.0
2023	12	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
2023	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	12	63527	Westlands Cherry, LLC	IPP	Cherry	CA	63850	CHERY	249.7	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	249.7
2023	12	63528	Westlands Grape, LLC	IPP	Grape	CA	63851	GRAPE	246.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	246.4
2023	12	63961	White Rock Wind East, LLC	IPP	White Rock East Wind Project	OK	64341	WRE	200.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	200.0
2023	12	63960	White Rock Wind West, LLC	IPP	White Rock West Wind Project	OK	64340	WRW	100.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	100.0
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	1	10623	City of Lakeland - (FL)	Electric Utility	C D McIntosh Jr	FL	676	IC3	20.0	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	20.0
2024	1	10623	City of Lakeland - (FL)	Electric Utility	C D McIntosh Jr	FL	676	IC4	20.0	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	20.0
2024	1	10623	City of Lakeland - (FL)	Electric Utility	C D McIntosh Jr	FL	676	IC5	20.0	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	20.0
2024	1	10623	City of Lakeland - (FL)	Electric Utility	C D McIntosh Jr	FL	676	IC6	20.0	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	20.0
2024	1	10623	City of Lakeland - (FL)	Electric Utility	C D McIntosh Jr	FL	676	IC7	20.0	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	20.0
2024	1	10623	City of Lakeland - (FL)	Electric Utility	C D McIntosh Jr	FL	676	PV6	50.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	50.0
2024	1	8153	Hartford Steam Co	Commercial	Hartford Hospital Cogeneration	CT	52061	GEN5	5.4	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	5.5
2024	2	60836	NTE Connecticut, LLC	IPP	Killingly Energy Center	CT	61239	KEC	381.9	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	492.0
2024	2	60836	NTE Connecticut, LLC	IPP	Killingly Energy Center	CT	61239	KEC2	262.9	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	351.0
2024	3	63465	Candela Renewables, LLC	IPP	Rough Hat 2	NV	63783	RH2	400.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	400.0
2024	3	63726	Renewable Energy Ventures LLC	IPP	Forest Grove - Dodd	TX	64131	ESS1	100.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	100.2
2024	4	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
2024	5	64085	American Beech Solar LLC	IPP	American Beech Solar LLC	NC	64430	KOV4A	110.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	110.0
2024	5	63720	Ocean Wind, LLC	IPP	Ocean Wind	NJ	64082	OCW01	1,100.0	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	1,100.0
2024	6	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
2024	6	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
2024	6	63576	MEC North	IPP	MEC North	MI	63911	MECN	500.0	Natural Gas Fired Combined Cycle	NG	CS	(T) Regulatory approvals received. Not under construction	500.0
2024	6	63577	MEC South	IPP	MEC South	MI	63912	MECS	500.0	Natural Gas Fired Combined Cycle	NG	CS	(L) Regulatory approvals pending. Not under construction	500.0
2024	6	63488	Shady Hills Energy Center, LLC	IPP	Shady Hills Combined Cycle Facility	FL	63802	G001	546.0	Natural Gas Fired Combined Cycle	NG	CS	(U) Under construction, less than or equal to 50 percent complete	573.0
2024	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
2024	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
2024	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
2024	7	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
2024	7	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
2024	10	63465	Candela Renewables, LLC	IPP	Rough Hat	NV	63782	RH1	400.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	400.0
2024	10	5416	Duke Energy Carolinas, LLC	Electric Utility	Lincoln Combustion	NC	7277	17	517.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	536.4
2024	10	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
2024	10	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
2024	11	63966	Emerick Wind, LLC	IPP	Emerick Wind	NE	64344	9999	300.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	300.0
2024	12	60799	33UI 8me LLC	IPP	Gale 1 Solar	UT	61170	33UI8	300.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	300.0
2024	12	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
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

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)
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	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
2024	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
2024	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
2024	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
2024	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
2024	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
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
2024	12	56215	RWE Renewables Americas LLC	IPP	Buckeye Wind Farm	OH	58776	1	99.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	99.0
2024	12	63626	Two Rivers Wind LLC	IPP	Two Rivers Wind Facility	WY	63972	TR1	280.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	290.0
2025	1	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
2025	1	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
2025	1	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
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	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
2025	1	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
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	3	63786	Tygart LLC	IPP	Tygart Hydropower	WV	64171	1	3.0	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	10.0
2025	3	63786	Tygart LLC	IPP	Tygart Hydropower	WV	64171	2	3.0	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	10.0
2025	3	63786	Tygart LLC	IPP	Tygart Hydropower	WV	64171	3	3.0	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	10.0
2025	4	63558	Chickahominy Power LLC	IPP	Chickahominy Power LLC	VA	63886	CP001	557.3	Natural Gas Fired Combined Cycle	NG	CS	(T) Regulatory approvals received. Not under construction	572.1
2025	5	63558	Chickahominy Power LLC	IPP	Chickahominy Power LLC	VA	63886	CP002	557.3	Natural Gas Fired Combined Cycle	NG	CS	(T) Regulatory approvals received. Not under construction	572.1
2025	6	63558	Chickahominy Power LLC	IPP	Chickahominy Power LLC	VA	63886	CP003	557.3	Natural Gas Fired Combined Cycle	NG	CS	(T) Regulatory approvals received. Not under construction	572.1
2025	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
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	10	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
2025	12	61386	C4GT, LLC	IPP	C4GT	VA	61760	C4GT	1,060.0	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	1,060.0
2025	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
2025	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
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	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
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	63721	Skipjack Offshore Energy, LLC	IPP	Skipjack Wind Farm	MD	64083	SJW01	120.0	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	120.0
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	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
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
2021	1	6738	Franklin Heating Station	Commercial	Franklin Heating Station	MN	54224	DG7	2.3	Natural Gas Internal Combustion Engine	NG	IC
2021	1	12341	MidAmerican Energy Co	Electric Utility	Riverside	IA	1081	5	116.5	Natural Gas Steam Turbine	NG	ST
2021	1	58845	Pine Tree Landfill	IPP	Pine Tree Landfill Gas to Energy	ME	58993	3202	0.9	Landfill Gas	LFG	IC
2021	1	58845	Pine Tree Landfill	IPP	Pine Tree Landfill Gas to Energy	ME	58993	3203	0.9	Landfill Gas	LFG	IC
2021	1	59526	State Correctnl Inst Laurel Highlands	Commercial	Glades Pike Generation Plant	PA	59759	SOLAR	2.3	Landfill Gas	LFG	GT
2021	1	57139	W&T Offshore Inc	Industrial	Yellowhammer Gas Plant	AL	54730	701	3.0	Natural Gas Fired Combustion Turbine	NG	GT
2021	2	13579	Dunkirk Power LLC	IPP	Dunkirk Generating Plant	NY	2554	2	75.0	Conventional Steam Coal	SUB	ST
2021	2	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
2021	3	1735	Birchwood Power Partners LP	IPP	Birchwood Power	VA	54304	1	237.7	Conventional Steam Coal	BIT	ST
2021	3	58210	CPI USA NC Roxboro LLC	IPP	CPI USA NC Roxboro	NC	10379	GEN1	47.0	Wood/Wood Waste Biomass	WDS	ST
2021	3	58209	CPI USA NC Southport LLC	Electric CHP	CPI USA NC Southport	NC	10378	GEN1	48.0	Wood/Wood Waste Biomass	WDS	ST
2021	3	58209	CPI USA NC Southport LLC	Electric CHP	CPI USA NC Southport	NC	10378	GEN2	48.0	Wood/Wood Waste Biomass	WDS	ST
2021	3	11713	City of Marshall - (MI)	Electric Utility	Marshall (MI)	MI	1844	IC2	0.9	Natural Gas Internal Combustion Engine	NG	IC
2021	3	11713	City of Marshall - (MI)	Electric Utility	Marshall (MI)	MI	1844	IC4	0.7	Petroleum Liquids	DFO	IC
2021	3	5416	Duke Energy Carolinas, LLC	Electric Utility	G G Allen	NC	2718	3	258.0	Conventional Steam Coal	BIT	ST
2021	3	63363	Elmwood Park Power LLC	IPP	Elmwood Park Power LLC	NJ	50852	GEN1	69.2	Natural Gas Fired Combined Cycle	NG	CT
2021	3	63363	Elmwood Park Power LLC	IPP	Elmwood Park Power LLC	NJ	50852	GEN2		Natural Gas Fired Combined Cycle	NG	CA
2021	3	6738	Franklin Heating Station	Commercial	Franklin Heating Station	MN	54224	DG6	2.3	Natural Gas Internal Combustion Engine	NG	IC
2021	3	11208	Los Angeles Department of Water & Power	Commercial	North Hollywood	CA	57854	2T1	1.2	Conventional Hydroelectric	WAT	HY
2021	3	11208	Los Angeles Department of Water & Power	Commercial	North Hollywood	CA	57854	2T2	1.2	Conventional Hydroelectric	WAT	HY
2021	3	12119	McGrath Light & Power Co	Electric Utility	McGrath	AK	6555	3A	0.5	Petroleum Liquids	DFO	IC
2021	3	12119	McGrath Light & Power Co	Electric Utility	McGrath	AK	6555	4A	0.5	Petroleum Liquids	DFO	IC
2021	3	12119	McGrath Light & Power Co	Electric Utility	McGrath	AK	6555	6	0.6	Petroleum Liquids	DFO	IC
2021	3	12119	McGrath Light & Power Co	Electric Utility	McGrath	AK	6555	7	0.6	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	14328	Pacific Gas & Electric Co.	Electric Utility	Cow Creek	CA	229	1	0.9	Conventional Hydroelectric	WAT	HY
2021	3	14328	Pacific Gas & Electric Co.	Electric Utility	Cow Creek	CA	229	2	0.9	Conventional Hydroelectric	WAT	HY
2021	3	14328	Pacific Gas & Electric Co.	Electric Utility	Kilarc	CA	253	1	1.6	Conventional Hydroelectric	WAT	HY
2021	4	10623	City of Lakeland - (FL)	Electric Utility	C D McIntosh Jr	FL	676	3	342.0	Conventional Steam Coal	BIT	ST
2021	4	6028	Entergy Nuclear Indian Point 3	IPP	Indian Point 3	NY	8907	3	1,036.3	Nuclear	NUC	ST
2021	4	56155	Lansing Board of Water and Light	Electric Utility	Eckert Station	MI	1831	4	64.0	Conventional Steam Coal	SUB	ST
2021	4	55983	Luminant Generation Company LLC	IPP	Trinidad (TX)	TX	3507	6	235.0	Natural Gas Steam Turbine	NG	ST
2021	4	55983	Luminant Generation Company LLC	IPP	Trinidad (TX)	TX	3507	D1	2.0	Petroleum Liquids	DFO	IC
2021	4	55983	Luminant Generation Company LLC	IPP	Trinidad (TX)	TX	3507	D2	2.0	Petroleum Liquids	DFO	IC
2021	4	58341	McKinley Paper Co. - Washington Mill	Industrial	McKinley Paper Co. - Washington Mill	WA	58352	G-11	20.0	Wood/Wood Waste Biomass	WDS	ST
2021	5	9273	Indianapolis Power & Light Co	Electric Utility	AES Petersburg	IN	994	ST1	222.5	Conventional Steam Coal	BIT	ST
2021	5	54899	NAES Corporation - (DE)	IPP	McKee Run	DE	599	3	103.1	Natural Gas Steam Turbine	NG	ST
2021	5	57146	Tulsa LFG LLC	IPP	Tulsa LFG LLC	OK	57828	GEN1	1.4	Landfill Gas	LFG	IC
2021	5	21148	Zapco Energy Tactics Corp	IPP	Mas Suffolk RNG, LLC	VA	54781	SU1	0.7	Landfill Gas	LFG	IC
2021	5	21148	Zapco Energy Tactics Corp	IPP	Mas Suffolk RNG, LLC	VA	54781	SU2	0.7	Landfill Gas	LFG	IC
2021	5	21148	Zapco Energy Tactics Corp	IPP	Mas Suffolk RNG, LLC	VA	54781	SU3	0.7	Landfill Gas	LFG	IC
2021	5	21148	Zapco Energy Tactics Corp	IPP	Mas Suffolk RNG, LLC	VA	54781	SU4	0.7	Landfill Gas	LFG	IC
2021	6	4385	Anderson Power Products	Industrial	Anderson Power Products Division	MA	10553	3622	0.1	Petroleum Liquids	DFO	IC
2021	6	4385	Anderson Power Products	Industrial	Anderson Power Products Division	MA	10553	6033	0.3	Petroleum Liquids	DFO	IC
2021	6	4385	Anderson Power Products	Industrial	Anderson Power Products Division	MA	10553	6035	0.3	Petroleum Liquids	DFO	IC
2021	6	4385	Anderson Power Products	Industrial	Anderson Power Products Division	MA	10553	6046	0.3	Petroleum Liquids	DFO	IC
2021	6	12628	Chalk Point Steam, LLC	IPP	Chalk Point LLC	MD	1571	ST1	333.1	Conventional Steam Coal	BIT	ST
2021	6	12628	Chalk Point Steam, LLC	IPP	Chalk Point LLC	MD	1571	ST2	336.9	Conventional Steam Coal	BIT	ST
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	6909	Gainesville Regional Utilities	Electric Utility	John R Kelly	FL	664	8	36.0	Natural Gas Fired Combined Cycle	NG	CA
2021	6	50096	GenOn Florida, LP	IPP	Osceola (FL)	FL	55192	CTG1	157.0	Natural Gas Fired Combustion Turbine	NG	GT
2021	6	50096	GenOn Florida, LP	IPP	Osceola (FL)	FL	55192	CTG2	157.0	Natural Gas Fired Combustion Turbine	NG	GT
2021	6	50096	GenOn Florida, LP	IPP	Osceola (FL)	FL	55192	CTG3	157.0	Natural Gas Fired Combustion Turbine	NG	GT
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	6	16657	San Jose/Santa Clara Water P C	Commercial	SJ/SC WPCP	CA	56080	EG1	2.8	Natural Gas Internal Combustion Engine	NG	IC

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2021	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
2021	6	16657	San Jose/Santa Clara Water P C	Commercial	SJ/SC WPCP	CA	56080	EG3	2.8	Natural Gas Internal Combustion Engine	NG	IC
2021	6	20712	Snowbird Corporation	Commercial	Snowbird Power Plant	UT	10215	1367	0.6	Natural Gas Internal Combustion Engine	NG	IC
2021	6	20712	Snowbird Corporation	Commercial	Snowbird Power Plant	UT	10215	1391	0.6	Natural Gas Internal Combustion Engine	NG	IC
2021	6	20712	Snowbird Corporation	Commercial	Snowbird Power Plant	UT	10215	1392	0.6	Natural Gas Internal Combustion Engine	NG	IC
2021	6	15276	TalenEnergy Martins Creek LLC	IPP	TalenEnergy Martins Creek LLC Harwood	PA	3144	CTG1	12.9	Petroleum Liquids	DFO	GT
2021	6	15276	TalenEnergy Martins Creek LLC	IPP	TalenEnergy Martins Creek LLC Harwood	PA	3144	CTG2	12.3	Petroleum Liquids	DFO	GT
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	7	4716	Dairyland Power Coop	Electric Utility	Genoa	WI	4143	ST3	307.5	Conventional Steam Coal	SUB	ST
2021	7	55711	FPL Energy Operating Services Inc - SEGS	IPP	SEGS III	CA	10439	GEN1	36.0	Solar Thermal without Energy Storage	SUN	ST
2021	7	55711	FPL Energy Operating Services Inc - SEGS	IPP	SEGS IV	CA	10440	GEN1	36.0	Solar Thermal without Energy Storage	SUN	ST
2021	7	55711	FPL Energy Operating Services Inc - SEGS	IPP	SEGS V	CA	10441	GEN1	36.0	Solar Thermal without Energy Storage	SUN	ST
2021	7	55711	FPL Energy Operating Services Inc - SEGS	IPP	SEGS VI	CA	10442	GEN1	36.0	Solar Thermal without Energy Storage	SUN	ST
2021	7	55711	FPL Energy Operating Services Inc - SEGS	IPP	SEGS VII	CA	10443	GEN1	36.0	Solar Thermal without Energy Storage	SUN	ST
2021	7	11637	Marathon Electric Mfg Corp	Industrial	Marathon Electric	WI	50990	P2-3	0.9	Petroleum Liquids	DFO	IC
2021	7	11637	Marathon Electric Mfg Corp	Industrial	Marathon Electric	WI	50990	P2-4	0.9	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	8	17664	Spartanburg Commissioners PW	Commercial	Spartanburg Water System	SC	54675	DI3	1.3	Petroleum Liquids	DFO	IC
2021	9	12647	ALLETE, Inc.	Electric Utility	Taconite Harbor Energy Center	MN	10075	GEN1	79.0	Conventional Steam Coal	SUB	ST
2021	9	12647	ALLETE, Inc.	Electric Utility	Taconite Harbor Energy Center	MN	10075	GEN2	75.9	Conventional Steam Coal	SUB	ST
2021	9	7977	City of Hamilton - (OH)	Electric Utility	Hamilton (OH)	OH	2917	5	10.0	Natural Gas Steam Turbine	NG	ST
2021	9	7977	City of Hamilton - (OH)	Electric Utility	Hamilton (OH)	OH	2917	7	25.0	Natural Gas Steam Turbine	NG	ST
2021	9	7977	City of Hamilton - (OH)	Electric Utility	Hamilton (OH)	OH	2917	8	25.0	Natural Gas Steam Turbine	NG	ST
2021	9	7977	City of Hamilton - (OH)	Electric Utility	Hamilton (OH)	OH	2917	9	51.0	Natural Gas Steam Turbine	NG	ST
2021	9	55951	Exelon Nuclear	IPP	Byron Generating Station	IL	6023	1	1,164.0	Nuclear	NUC	ST
2021	9	55951	Exelon Nuclear	IPP	Byron Generating Station	IL	6023	2	1,136.0	Nuclear	NUC	ST
2021	11	55951	Exelon Nuclear	IPP	Dresden Generating Station	IL	869	2	902.0	Nuclear	NUC	ST
2021	11	55951	Exelon Nuclear	IPP	Dresden Generating Station	IL	869	3	895.0	Nuclear	NUC	ST
2021	11	18454	Tampa Electric Co	Electric Utility	Big Bend	FL	645	ST2	385.0	Conventional Steam Coal	BIT	ST
2021	11	60538	Vitro Architectural Glass	Industrial	Works 4	TX	54364	L1G	2.0	Petroleum Liquids	DFO	IC
2021	12	13756	Northern Indiana Pub Serv Co	Electric Utility	R M Schahfer	IN	6085	14	431.0	Conventional Steam Coal	SUB	ST
2021	12	13756	Northern Indiana Pub Serv Co	Electric Utility	R M Schahfer	IN	6085	15	472.0	Conventional Steam Coal	SUB	ST
2021	12	60558	Rock County Energy Center, LLC	IPP	Minwind 3-9	MN	56123	1	11.6	Onshore Wind Turbine	WND	WT
2021	12	16534	Sacramento Municipal Util Dist	Electric Utility	White Rock/Slab Creek	CA	435	H4	0.5	Conventional Hydroelectric	WAT	HY
2021	12	24205	Sinclair Oil Corp	Industrial	Sinclair Oil Refinery	WY	54374	2004	1.3	Natural Gas Internal Combustion Engine	NG	IC
2021	12	24205	Sinclair Oil Corp	Industrial	Sinclair Oil Refinery	WY	54374	2006	1.3	Natural Gas Internal Combustion Engine	NG	IC
2021	12	24205	Sinclair Oil Corp	Industrial	Sinclair Oil Refinery	WY	54374	2008	1.3	Natural Gas Internal Combustion Engine	NG	IC
2022	1	3265	Cleco Power LLC	Electric Utility	Dolet Hills	LA	51	1	634.8	Conventional Steam Coal	LIG	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	23279	Allegheny Energy Supply Co LLC	IPP	FirstEnergy Pleasants Power Station	WV	6004	1	644.0	Conventional Steam Coal	RC	ST
2022	6	23279	Allegheny Energy Supply Co LLC	IPP	FirstEnergy Pleasants Power Station	WV	6004	2	644.0	Conventional Steam Coal	RC	ST
2022	6	49965	Constellation Mystic Power LLC	IPP	Mystic Generating Station	MA	1588	7	512.4	Petroleum Liquids	RFO	ST
2022	6	49965	Constellation Mystic Power LLC	IPP	Mystic Generating Station	MA	1588	GT1	9.1	Petroleum Liquids	DFO	GT
2022	6	11241	Entergy Louisiana LLC	Electric Utility	Sterlington	LA	1404	7A	47.0	Natural Gas Fired Combustion Turbine	NG	GT
2022	6	56192	Entergy Nuclear Palisades LLC	IPP	Palisades	MI	1715	1	768.5	Nuclear	NUC	ST
2022	6	55937	Entergy Texas Inc.	Electric Utility	Sabine	TX	3459	1	211.6	Natural Gas Steam Turbine	NG	ST
2022	6	9210	International Paper Co-Riegelwood	Industrial	International Paper Riegelwood Mill	NC	54656	NO 1	7.8	Wood/Wood Waste Biomass	BLQ	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

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	6	15473	Public Service Co of NM	Electric Utility	San Juan	NM	2451	4	507.0	Conventional Steam Coal	RC	ST
2022	6	18458	York Generation Company LLC	IPP	York Generation Company LLC	PA	54693	GT#1	46.2	Natural Gas Fired Combined Cycle	NG	CT
2022	6	18458	York Generation Company LLC	IPP	York Generation Company LLC	PA	54693	GT#2		Natural Gas Fired Combined Cycle	NG	CT
2022	6	18458	York Generation Company LLC	IPP	York Generation Company LLC	PA	54693	GT#5		Natural Gas Fired Combined Cycle	NG	CT
2022	6	18458	York Generation Company LLC	IPP	York Generation Company LLC	PA	54693	GT#6		Natural Gas Fired Combined Cycle	NG	CT
2022	6	18458	York Generation Company LLC	IPP	York Generation Company LLC	PA	54693	ST#1		Natural Gas Fired Combined Cycle	NG	CA
2022	6	18458	York Generation Company LLC	IPP	York Generation Company LLC	PA	54693	ST#2		Natural Gas Fired Combined Cycle	NG	CA
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	9	17718	Southwestern Public Service Co	Electric Utility	Plant X	TX	3485	2	90.0	Natural Gas Steam Turbine	NG	ST
2022	10	7570	Great River Energy	Electric Utility	Coal Creek	ND	6030	1	565.7	Conventional Steam Coal	RC	ST
2022	10	7570	Great River Energy	Electric Utility	Coal Creek	ND	6030	2	580.5	Conventional Steam Coal	RC	ST
2022	10	7570	Great River Energy	Electric Utility	Coal Creek	ND	6030	4	3.0	Petroleum Liquids	DFO	IC
2022	10	7570	Great River Energy	Electric Utility	Coal Creek	ND	6030	5	3.0	Petroleum Liquids	DFO	IC
2022	11	60538	Vitro Architectural Glass	Industrial	Works 4	TX	54364	L2G	2.0	Petroleum Liquids	DFO	IC
2022	12	3989	City of Colorado Springs - (CO)	Electric Utility	Martin Drake	CO	492	6	77.0	Conventional Steam Coal	SUB	ST
2022	12	3989	City of Colorado Springs - (CO)	Electric Utility	Martin Drake	CO	492	7	131.0	Natural Gas Steam Turbine	NG	ST
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	6909	Gainesville Regional Utilities	Electric Utility	Deerhaven Generating Station	FL	663	1	75.0	Natural Gas Steam Turbine	NG	ST
2022	12	49756	Illinois Power Resources Generating LLC	IPP	E D Edwards	IL	856	2	245.0	Conventional Steam Coal	SUB	ST
2022	12	49756	Illinois Power Resources Generating LLC	IPP	E D Edwards	IL	856	3	315.0	Conventional Steam Coal	SUB	ST
2022	12	9417	Interstate Power and Light Co	Electric Utility	Lansing	IA	1047	4	241.4	Conventional Steam Coal	SUB	ST
2022	12	13781	Northern States Power Co - Minnesota	Electric Utility	French Island	WI	4005	3	61.0	Petroleum Liquids	DFO	GT
2022	12	13781	Northern States Power Co - Minnesota	Electric Utility	French Island	WI	4005	4	61.0	Petroleum Liquids	DFO	GT
2022	12	13781	Northern States Power Co - Minnesota	Electric Utility	Sherburne County	MN	6090	2	682.0	Conventional Steam Coal	SUB	ST
2022	12	15466	Public Service Co of Colorado	Electric Utility	Comanche (CO)	CO	470	1	325.0	Conventional Steam Coal	SUB	ST
2022	12	17718	Southwestern Public Service Co	Electric Utility	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
2022	12	20856	Wisconsin Power & Light Co	Electric Utility	Edgewater	WI	4050	5	416.8	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	61956	Mount Sinai South Nassau Hospital	Commercial	Mount Sinai South Nassau Hospital	NY	62447	1	1.1	Petroleum Liquids	DFO	IC
2023	1	61956	Mount Sinai South Nassau Hospital	Commercial	Mount Sinai South Nassau Hospital	NY	62447	2	0.8	Petroleum Liquids	DFO	IC
2023	1	61956	Mount Sinai South Nassau Hospital	Commercial	Mount Sinai South Nassau Hospital	NY	62447	3	1.0	Petroleum Liquids	DFO	IC
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	17698	Southwestern Electric Power Co	Electric Utility	Pirkey	TX	7902	1	650.0	Conventional Steam Coal	LIG	ST
2023	1	19876	Virginia Electric & Power Co	Electric Utility	Chesterfield	VA	3797	5	336.0	Conventional Steam Coal	BIT	ST
2023	1	19876	Virginia Electric & Power Co	Electric Utility	Chesterfield	VA	3797	6	670.0	Conventional Steam Coal	BIT	ST
2023	1	19876	Virginia Electric & Power Co	Electric Utility	Yorktown	VA	3809	3	790.0	Petroleum Liquids	RFO	ST
2023	3	50129	Georgia-Pacific Cons Op LLC Port Hudson	Industrial	Georgia-Pacific Port Hudson	LA	10612	GEN2	60.0	Natural Gas Steam Turbine	NG	ST
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	4	18454	Tampa Electric Co	Electric Utility	Big Bend	FL	645	ST3	395.0	Natural Gas Steam Turbine	NG	ST
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	126.5	Conventional Steam Coal	SUB	ST
2023	5	4254	Consumers Energy Co	Electric Utility	Dan E Karn	MI	1702	2B	126.5	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

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	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	2-1	35.1	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	2-2	34.6	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	2-3	35.8	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	2-4	34.9	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	3-1	34.8	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	3-2	35.7	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	3-3	35.6	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	3-4	36.2	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	4-1	32.9	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	4-2	33.6	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	4-3	33.7	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	4-4	33.5	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	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	5	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	5	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	5	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	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	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	22148	AES Alamitos LLC	IPP	AES Alamitos LLC	CA	315	3	332.0	Natural Gas Steam Turbine	NG	ST
2023	12	22148	AES Alamitos LLC	IPP	AES Alamitos LLC	CA	315	4	335.0	Natural Gas Steam Turbine	NG	ST
2023	12	22148	AES Alamitos LLC	IPP	AES Alamitos LLC	CA	315	5	485.0	Natural Gas Steam Turbine	NG	ST
2023	12	23693	AES Huntington Beach LLC	IPP	AES Huntington Beach LLC	CA	335	2	225.8	Natural Gas Steam Turbine	NG	ST
2023	12	22484	AES Redondo Beach LLC	IPP	AES Redondo Beach LLC	CA	356	5	175.0	Natural Gas Steam Turbine	NG	ST
2023	12	22484	AES Redondo Beach LLC	IPP	AES Redondo Beach LLC	CA	356	6	175.0	Natural Gas Steam Turbine	NG	ST
2023	12	22484	AES Redondo Beach LLC	IPP	AES Redondo Beach LLC	CA	356	8	480.0	Natural Gas Steam Turbine	NG	ST
2023	12	17828	City of Springfield - (IL)	Electric Utility	Dallman	IL	963	3	177.7	Conventional Steam Coal	BIT	ST
2023	12	13781	Northern States Power Co - Minnesota	Electric Utility	Blue Lake	MN	8027	1	39.0	Petroleum Liquids	DFO	GT
2023	12	13781	Northern States Power Co - Minnesota	Electric Utility	Blue Lake	MN	8027	2	39.0	Petroleum Liquids	DFO	GT
2023	12	13781	Northern States Power Co - Minnesota	Electric Utility	Blue Lake	MN	8027	3	36.0	Petroleum Liquids	DFO	GT
2023	12	13781	Northern States Power Co - Minnesota	Electric Utility	Blue Lake	MN	8027	4	39.0	Petroleum Liquids	DFO	GT
2023	12	13781	Northern States Power Co - Minnesota	Electric Utility	French Island	WI	4005	1	9.0	Wood/Wood Waste Biomass	WDS	ST
2023	12	13781	Northern States Power Co - Minnesota	Electric Utility	French Island	WI	4005	2	7.0	Wood/Wood Waste Biomass	WDS	ST
2023	12	13781	Northern States Power Co - Minnesota	Electric Utility	Laverne Battery	MN	58579	1	1.0	Batteries	MWH	BA
2023	12	14063	Oklahoma Gas & Electric Co	Electric Utility	Horseshoe Lake	OK	2951	6	168.0	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	20856	Wisconsin Power & Light Co	Electric Utility	Columbia (WI)	WI	8023	1	582.6	Conventional Steam Coal	SUB	ST
2024	1	327	Air Liquide Large Industries U S LP	Industrial	Geismar Cogen	LA	56787	GTG	72.5	Natural Gas Fired Combustion Turbine	NG	GT
2024	1	63844	Ellwood Power, LLC	IPP	Ellwood	CA	8076	01	54.0	Natural Gas Fired Combustion Turbine	NG	GT
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

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
2024	1	63843	Ormond Beach Power, LLC	IPP	Ormond Beach	CA	350	1	741.0	Natural Gas Steam Turbine	NG	ST
2024	1	63843	Ormond Beach Power, LLC	IPP	Ormond Beach	CA	350	2	750.0	Natural Gas Steam Turbine	NG	ST
2024	1	18642	Tennessee Valley Authority	Electric Utility	Bull Run	TN	3396	1	870.0	Conventional Steam Coal	BIT	ST
2024	3	14932	US Operating Services Company	Electric CHP	Chambers Cogeneration LP	NJ	10566	GEN1	244.0	Conventional Steam Coal	BIT	ST
2024	6	49965	Constellation Mystic Power LLC	IPP	Mystic Generating Station	MA	1588	GT81	228.8	Natural Gas Fired Combined Cycle	NG	CT
2024	6	49965	Constellation Mystic Power LLC	IPP	Mystic Generating Station	MA	1588	GT82	230.0	Natural Gas Fired Combined Cycle	NG	CT
2024	6	49965	Constellation Mystic Power LLC	IPP	Mystic Generating Station	MA	1588	GT93	229.9	Natural Gas Fired Combined Cycle	NG	CT
2024	6	49965	Constellation Mystic Power LLC	IPP	Mystic Generating Station	MA	1588	GT94	229.6	Natural Gas Fired Combined Cycle	NG	CT
2024	6	49965	Constellation Mystic Power LLC	IPP	Mystic Generating Station	MA	1588	ST85	244.6	Natural Gas Fired Combined Cycle	NG	CA
2024	6	49965	Constellation Mystic Power LLC	IPP	Mystic Generating Station	MA	1588	ST96	250.7	Natural Gas Fired Combined Cycle	NG	CA
2024	6	11241	Entergy Louisiana LLC	Electric Utility	Waterford 1 & 2	LA	8056	2	417.3	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	4	257.0	Conventional Steam Coal	BIT	ST
2024	12	5416	Duke Energy Carolinas, LLC	Electric Utility	G G Allen	NC	2718	5	259.0	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	8153	Hartford Steam Co	Commercial	Hartford Hospital Cogeneration	CT	52061	GEN3	6.2	Natural Gas Fired Combined Cycle	NG	CT
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
2024	12	20856	Wisconsin Power & Light Co	Electric Utility	Columbia (WI)	WI	8023	2	567.3	Conventional Steam Coal	SUB	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	1	14173	Oroville Cogeneration LP	Industrial	Oroville Cogeneration LP	CA	54477	GEN1	1.1	Natural Gas Internal Combustion Engine	NG	IC
2025	1	14173	Oroville Cogeneration LP	Industrial	Oroville Cogeneration LP	CA	54477	GEN2	1.1	Natural Gas Internal Combustion Engine	NG	IC
2025	1	14173	Oroville Cogeneration LP	Industrial	Oroville Cogeneration LP	CA	54477	GEN3	1.1	Natural Gas Internal Combustion Engine	NG	IC
2025	1	14173	Oroville Cogeneration LP	Industrial	Oroville Cogeneration LP	CA	54477	GEN4	1.1	Natural Gas Internal Combustion Engine	NG	IC
2025	1	14173	Oroville Cogeneration LP	Industrial	Oroville Cogeneration LP	CA	54477	GEN5	1.1	Natural Gas Internal Combustion Engine	NG	IC
2025	1	14173	Oroville Cogeneration LP	Industrial	Oroville Cogeneration LP	CA	54477	GEN6	1.1	Natural Gas Internal Combustion Engine	NG	IC
2025	1	14173	Oroville Cogeneration LP	Industrial	Oroville Cogeneration LP	CA	54477	GEN7	1.1	Natural Gas Internal Combustion Engine	NG	IC
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	4	9434	Iowa State University	Commercial	Iowa State University	IA	54201	GEN4	6.3	Natural Gas Steam Turbine	NG	ST
2025	5	58435	Collinwood BioEnergy	Industrial	Collinwood BioEnergy Facility	OH	58439	CBE01	1.0	Other Waste Biomass	OBG	IC
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	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
2025	5	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	3WT	0.2	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	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	5517	Dynegy Midwest Generation Inc	IPP	Baldwin Energy Complex	IL	889	1	576.0	Conventional Steam Coal	RC	ST
2025	12	5517	Dynegy Midwest Generation Inc	IPP	Baldwin Energy Complex	IL	889	2	581.0	Conventional Steam Coal	RC	ST
2025	12	5517	Dynegy Midwest Generation Inc	IPP	Baldwin Energy Complex	IL	889	3	621.0	Conventional Steam Coal	RC	ST
2025	12	5748	Electric Energy Inc	IPP	Joppa Steam	IL	887	1	158.0	Conventional Steam Coal	RC	ST
2025	12	5748	Electric Energy Inc	IPP	Joppa Steam	IL	887	2	158.0	Conventional Steam Coal	RC	ST
2025	12	5748	Electric Energy Inc	IPP	Joppa Steam	IL	887	3	158.0	Conventional Steam Coal	RC	ST
2025	12	5748	Electric Energy Inc	IPP	Joppa Steam	IL	887	4	158.0	Conventional Steam Coal	RC	ST
2025	12	5748	Electric Energy Inc	IPP	Joppa Steam	IL	887	5	158.0	Conventional Steam Coal	RC	ST
2025	12	5748	Electric Energy Inc	IPP	Joppa Steam	IL	887	6	158.0	Conventional Steam Coal	RC	ST
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	12159	Midwest Electric Power Inc	IPP	MEPI GT Facility	IL	7858	1	55.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	12	12159	Midwest Electric Power Inc	IPP	MEPI GT Facility	IL	7858	2	55.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	12	12159	Midwest Electric Power Inc	IPP	MEPI GT Facility	IL	7858	3	55.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	12	12159	Midwest Electric Power Inc	IPP	MEPI GT Facility	IL	7858	4	37.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	12	12159	Midwest Electric Power Inc	IPP	MEPI GT Facility	IL	7858	5	37.0	Natural Gas Fired Combustion Turbine	NG	GT
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	367.9	Natural Gas Steam Turbine	NG	ST
2026	6	55937	Entergy Texas Inc.	Electric Utility	Sabine	TX	3459	4	495.0	Natural Gas Steam Turbine	NG	ST
2026	6	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT1	8.6	Natural Gas Fired Combustion Turbine	NG	GT
2026	6	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT2	12.8	Natural Gas Fired Combustion Turbine	NG	GT
2026	6	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT3	13.2	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	10	6909	Gainesville Regional Utilities	Electric Utility	Deerhaven Generating Station	FL	663	GT1	17.5	Natural Gas Fired Combustion Turbine	NG	GT
2026	10	6909	Gainesville Regional Utilities	Electric Utility	Deerhaven Generating Station	FL	663	GT2	17.5	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	5416	Duke Energy Carolinas, LLC	Electric Utility	James E. Rogers Energy Complex	NC	2721	5	544.0	Conventional Steam Coal	BIT	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

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
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	1	14354	PacifiCorp	Electric Utility	Dave Johnston	WY	4158	3	220.0	Conventional Steam Coal	SUB	ST
2027	2	56997	Marina Energy LLC	IPP	Heller Industrial Parks	NJ	57869	HH	0.5	Solar Photovoltaic	SUN	PV
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	140.0	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	140.0	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	170.0	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	10	12653	Lanyard Power Holdings, LLC	IPP	Morgantown Generating Plant	MD	1573	ST1	596.0	Conventional Steam Coal	BIT	ST
2027	10	12653	Lanyard Power Holdings, LLC	IPP	Morgantown Generating Plant	MD	1573	ST2	609.0	Conventional Steam Coal	BIT	ST
2027	12	56570	Coleto Creek Power LP	IPP	Coleto Creek	TX	6178	1	655.0	Conventional Steam Coal	SUB	ST
2027	12	59918	Dynegy Kincaid Generation	IPP	Kincaid Generation LLC	IL	876	1	554.0	Conventional Steam Coal	SUB	ST
2027	12	59918	Dynegy Kincaid Generation	IPP	Kincaid Generation LLC	IL	876	2	554.0	Conventional Steam Coal	SUB	ST
2027	12	59920	Dynegy W H Zimmer	IPP	W H Zimmer	OH	6019	ST1	1,305.0	Conventional Steam Coal	BIT	ST
2027	12	520	Illinois Power Generating Co	IPP	Newton	IL	6017	1	595.0	Conventional Steam Coal	RC	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	Hayden	CO	525	2	262.0	Conventional Steam Coal	BIT	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
2027	12	59919	Vistra Energy Miami Fort	IPP	Miami Fort	OH	2832	7	510.0	Conventional Steam Coal	BIT	ST
2027	12	59919	Vistra Energy Miami Fort	IPP	Miami Fort	OH	2832	8	510.0	Conventional Steam Coal	BIT	ST
2028	1	56997	Marina Energy LLC	IPP	Freeze Solar	NJ	60759	PV1	1.5	Solar Photovoltaic	SUN	PV
2028	1	17698	Southwestern Electric Power Co	Electric Utility	Welsh	TX	6139	1	500.0	Conventional Steam Coal	SUB	ST
2028	1	17698	Southwestern Electric Power Co	Electric Utility	Welsh	TX	6139	3	500.0	Conventional Steam Coal	SUB	ST
2028	1	19876	Virginia Electric & Power Co	Electric Utility	Altavista Power Station	VA	10773	1	51.0	Wood/Wood Waste Biomass	WDS	ST
2028	1	19876	Virginia Electric & Power Co	Electric Utility	Hopewell Power Station	VA	10771	1	51.0	Wood/Wood Waste Biomass	WDS	ST
2028	1	19876	Virginia Electric & Power Co	Electric Utility	Southampton Power Station	VA	10774	1	51.0	Wood/Wood Waste Biomass	WDS	ST
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	9	17166	Sierra Pacific Power Co	Electric Utility	Fort Churchill	NV	2330	2	113.0	Natural Gas Steam Turbine	NG	ST
2028	9	30151	Tri-State G & T Assn, Inc	Electric Utility	Craig (CO)	CO	6021	2	410.0	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	15466	Public Service Co of Colorado	Electric Utility	Hayden	CO	525	1	179.0	Conventional Steam Coal	BIT	ST
2028	12	17543	South Carolina Public Service Authority	Electric Utility	Winyah	SC	6249	1	275.0	Conventional Steam Coal	RC	ST
2028	12	17543	South Carolina Public Service Authority	Electric Utility	Winyah	SC	6249	2	285.0	Conventional Steam Coal	RC	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
2028	12	17543	South Carolina Public Service Authority	Electric Utility	Winyah	SC	6249	3	285.0	Conventional Steam Coal	RC	ST
2028	12	17543	South Carolina Public Service Authority	Electric Utility	Winyah	SC	6249	4	285.0	Conventional Steam Coal	RC	ST
2028	12	17718	Southwestern Public Service Co	Electric Utility	Maddox	NM	2446	1	112.0	Natural Gas Steam Turbine	NG	ST
2028	12	19436	Union Electric Co - (MO)	Electric Utility	Sioux	MO	2107	1	522.0	Conventional Steam Coal	RC	ST
2028	12	19436	Union Electric Co - (MO)	Electric Utility	Sioux	MO	2107	2	522.0	Conventional Steam Coal	RC	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	73.5	Onshore Wind Turbine	WND	WT
2029	12	12647	ALLETE, Inc.	Electric Utility	Clay Boswell	MN	1893	3	352.0	Conventional Steam Coal	RC	ST
2029	12	3989	City of Colorado Springs - (CO)	Electric Utility	Ray D Nixon	CO	8219	1	208.0	Conventional Steam Coal	SUB	ST
2029	12	15143	Platte River Power Authority	Electric Utility	Rawhide	CO	6761	1	280.0	Conventional Steam Coal	SUB	ST
2029	12	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	61412	Cardinal Operating Company	IPP	Cardinal	OH	2828	1	585.0	Conventional Steam Coal	BIT	ST
2030	12	40230	Deseret Generation & Tran Coop	Electric Utility	Bonanza	UT	7790	1	458.0	Conventional Steam Coal	BIT	ST
2030	12	5701	El Paso Electric Co	Electric Utility	Copper	TX	9	1	63.0	Natural Gas Fired Combustion Turbine	NG	GT
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
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	803	Arizona Public Service Co	Electric Utility	Four Corners	NM	2442	4	770.0	Conventional Steam Coal	SUB	ST
2031	12	803	Arizona Public Service Co	Electric Utility	Four Corners	NM	2442	5	770.0	Conventional Steam Coal	SUB	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
2032	12	16572	Salt River Project	Electric Utility	Coronado	AZ	6177	CO1	380.0	Conventional Steam Coal	RC	ST
2032	12	16572	Salt River Project	Electric Utility	Coronado	AZ	6177	CO2	382.0	Conventional Steam Coal	RC	ST
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	250.0	Natural Gas Steam Turbine	NG	ST
2034	6	55937	Entergy Texas Inc.	Electric Utility	Lewis Creek	TX	3457	2	250.0	Natural Gas Steam Turbine	NG	ST
2034	12	5416	Duke Energy Carolinas, LLC	Electric Utility	Marshall (NC)	NC	2727	1	370.0	Conventional Steam Coal	BIT	ST
2034	12	5416	Duke Energy Carolinas, LLC	Electric Utility	Marshall (NC)	NC	2727	2	370.0	Conventional Steam Coal	BIT	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

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
2035	6	12685	Entergy Mississippi LLC	Electric Utility	Gerald Andrus	MS	8054	1	706.5	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
2039	12	19436	Union Electric Co - (MO)	Electric Utility	Rush Island	MO	6155	1	622.0	Conventional Steam Coal	RC	ST
2039	12	19436	Union Electric Co - (MO)	Electric Utility	Rush Island	MO	6155	2	622.0	Conventional Steam Coal	RC	ST
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	57170	EDF Renewable Asset Holdings, Inc.	IPP	Copenhagen Wind Farm	NY	58979	CPHGN	79.9	Onshore Wind Turbine	WND	WT
2044	12	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
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
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

Year/Month	Coal		Natural Gas								Petroleum					
			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																
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	235,089.3	47.5%	266,846.5	57.3%	128,832.5	11.3%	72,797.3	14.1%	4,848.3	15.3%	11,214.7	12.8%	14,009.7	1.0%	5,287.8	2.0%
2020	222,636.6	40.2%	274,350.6	56.6%	129,183.3	11.6%	71,908.6	14.3%	5,104.3	14.0%	10,981.0	13.4%	13,640.3	1.3%	5,269.5	1.8%
Year 2019																
January	241,507.5	56.6%	261,918.1	54.6%	128,218.2	9.6%	73,728.3	8.4%	4,620.8	12.9%	11,347.1	12.8%	14,037.5	1.4%	5,285.8	2.0%
February	239,252.5	50.4%	261,918.1	55.8%	128,218.2	9.9%	73,730.3	6.9%	4,695.3	14.2%	11,347.1	12.5%	14,037.5	0.9%	5,287.8	1.9%
March	238,021.5	45.0%	261,601.1	51.0%	128,164.0	9.3%	73,188.3	9.3%	4,695.3	12.8%	11,347.1	11.8%	14,018.5	0.6%	5,287.4	1.7%
April	236,625.1	35.7%	264,436.4	45.8%	128,276.4	9.7%	73,191.0	10.9%	4,878.7	12.5%	11,201.1	10.9%	14,018.5	0.8%	5,283.2	1.7%
May	235,815.1	41.7%	265,631.1	49.2%	128,705.3	10.2%	73,191.0	13.7%	4,881.2	12.4%	11,201.1	16.4%	14,018.5	1.0%	5,290.0	1.9%
June	235,767.5	46.9%	268,823.5	59.9%	128,828.7	11.2%	72,899.9	16.7%	4,881.2	14.4%	11,201.1	15.6%	14,008.2	1.1%	5,289.2	1.9%
July	234,785.0	58.3%	269,658.1	70.5%	129,173.4	15.0%	72,853.9	24.9%	4,903.2	20.1%	11,201.1	17.5%	14,008.2	1.1%	5,293.9	2.1%
August	234,785.0	54.6%	269,658.1	71.6%	129,318.4	14.9%	72,853.9	26.1%	4,903.2	20.4%	11,201.1	16.7%	14,002.5	1.3%	5,292.1	2.2%
Sept	233,847.0	51.4%	269,658.1	64.2%	129,278.4	12.9%	72,853.9	19.8%	4,903.2	17.4%	11,134.1	14.4%	14,002.5	1.2%	5,292.6	2.4%
October	233,086.4	39.3%	269,110.5	54.5%	129,348.4	11.6%	72,211.9	14.6%	4,903.2	15.5%	11,134.1	8.8%	14,002.5	1.2%	5,292.1	2.3%
November	229,164.4	46.0%	269,670.1	52.2%	129,314.4	10.9%	72,038.9	8.7%	4,903.2	16.1%	11,134.1	7.6%	14,002.5	0.8%	5,292.9	2.0%
December	228,657.4	43.3%	269,766.0	57.4%	129,098.3	10.2%	70,909.4	8.4%	5,001.6	14.1%	11,134.1	8.6%	13,962.5	0.8%	5,267.4	2.1%
Year 2020																
January	225,599.2	39.2%	270,491.8	58.4%	129,149.9	8.9%	72,049.5	9.8%	4,924.0	10.9%	11,047.6	11.1%	13,866.5	1.0%	5,268.4	1.8%
February	225,556.7	36.5%	270,634.8	58.8%	129,227.6	9.2%	72,049.5	9.7%	5,014.4	11.4%	11,047.6	8.9%	13,842.5	0.8%	5,268.4	1.8%
March	224,691.3	30.9%	271,916.1	52.2%	129,155.9	9.7%	72,025.7	11.1%	5,018.5	13.1%	11,047.6	13.8%	13,610.5	0.8%	5,268.4	1.6%
April	224,711.3	25.6%	272,916.1	47.3%	129,153.1	8.0%	72,025.7	10.2%	5,113.7	10.8%	11,047.6	12.9%	13,610.5	0.6%	5,267.3	1.5%
May	223,591.5	28.6%	274,182.3	48.2%	129,141.1	9.0%	71,893.7	11.8%	5,152.1	11.4%	11,047.6	11.3%	13,610.5	0.8%	5,265.5	1.4%
June	222,624.4	41.6%	275,939.4	59.6%	129,077.5	13.8%	71,881.2	17.7%	5,144.8	15.1%	11,047.6	16.2%	13,610.5	1.7%	5,265.5	1.7%
July	222,624.4	55.3%	275,939.4	70.7%	129,163.5	22.5%	71,863.4	27.7%	5,144.8	21.4%	11,047.6	18.0%	13,610.5	3.5%	5,264.6	2.2%
August	222,105.4	56.2%	275,953.5	68.9%	129,248.3	17.1%	71,863.4	23.4%	5,144.8	20.6%	11,047.6	16.8%	13,610.5	2.2%	5,272.9	1.8%
Sept	221,455.4	43.6%	275,995.8	60.2%	129,191.0	11.5%	71,863.4	16.2%	5,144.8	15.4%	11,047.6	12.9%	13,610.5	0.9%	5,272.9	2.1%
October	220,316.4	37.4%	276,013.5	53.1%	129,167.0	12.1%	71,863.4	15.3%	5,146.8	15.8%	11,047.6	11.5%	13,586.5	1.3%	5,272.9	2.2%
November	220,073.4	39.2%	276,028.5	47.3%	129,167.0	9.0%	71,863.4	9.3%	5,146.0	11.6%	11,047.6	14.5%	13,586.5	0.8%	5,273.5	1.5%
December	218,424.0	48.6%	276,068.5	54.0%	129,355.4	8.7%	71,670.4	9.0%	5,154.9	10.4%	10,261.6	12.9%	13,536.8	0.8%	5,273.5	1.8%
Year 2021																
January	216,647.3	51.5%	276,195.6	54.4%	129,248.5	7.5%	72,280.1	8.0%	5,157.8	8.8%	10,232.2	13.7%	13,539.1	0.6%	5,285.0	1.0%

Values for 2019 and prior years are final. Values for 2020 and 2021 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

	Geothermal		Hydroelectric		Nuclear		Other Biomass		Other Gas		Solar				Wind		Wood	
Year/Month											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																		
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	2,535.2	69.6%	79,838.0	41.2%	98,836.7	93.4%	4,786.5	62.5%	2,504.1	67.4%	31,840.8	24.3%	1,758.1	21.2%	97,564.8	34.4%	8,485.0	59.0%
2020	2,573.2	74.3%	79,829.5	41.5%	97,126.3	92.5%	4,689.8	63.2%	2,507.2	66.1%	39,442.7	24.9%	1,758.1	20.5%	107,070.6	35.4%	8,342.0	58.4%
Year 2019																		
January	2,527.5	73.9%	79,881.1	41.7%	99,440.4	99.6%	4,894.7	63.2%	2,509.0	68.2%	30,238.8	15.2%	1,758.1	8.4%	94,361.8	34.4%	8,716.6	62.0%
February	2,527.5	76.1%	79,883.6	42.6%	99,440.4	96.8%	4,894.7	62.3%	2,509.0	64.8%	30,911.4	17.7%	1,758.1	10.9%	95,284.6	35.3%	8,716.6	60.7%
March	2,527.5	75.6%	79,897.2	44.3%	99,440.4	88.0%	4,796.3	61.4%	2,509.0	61.6%	31,124.1	24.1%	1,758.1	19.8%	95,776.4	36.0%	8,565.9	57.6%
April	2,535.4	68.7%	79,897.2	48.4%	99,595.4	84.5%	4,785.1	59.9%	2,514.0	62.1%	31,355.0	28.4%	1,758.1	25.5%	96,608.9	41.6%	8,553.5	52.8%
May	2,535.4	71.1%	79,874.5	53.8%	98,921.8	90.8%	4,783.7	61.5%	2,514.0	67.6%	31,466.6	29.1%	1,758.1	25.7%	96,610.5	35.7%	8,538.5	54.1%
June	2,535.4	72.8%	79,878.4	48.8%	98,921.8	96.6%	4,764.2	64.2%	2,499.2	67.5%	31,528.4	32.9%	1,758.1	35.5%	96,840.0	31.9%	8,469.0	58.2%
July	2,535.4	72.9%	79,879.9	41.9%	98,921.8	98.1%	4,765.8	63.8%	2,499.2	68.5%	31,803.5	32.4%	1,758.1	31.4%	98,084.1	30.1%	8,498.4	61.4%
August	2,535.4	73.9%	79,776.1	38.0%	98,921.8	97.7%	4,765.9	64.4%	2,499.2	68.0%	32,079.8	31.0%	1,758.1	32.0%	98,359.7	27.1%	8,498.4	62.7%
Sept	2,535.4	74.9%	79,775.9	32.3%	98,119.0	93.1%	4,754.4	62.6%	2,499.2	72.4%	32,302.5	27.4%	1,758.1	24.3%	98,668.1	34.1%	8,409.1	59.2%
October	2,535.4	60.5%	79,772.0	30.8%	98,119.0	85.0%	4,754.4	61.5%	2,499.2	64.4%	32,556.1	23.3%	1,758.1	23.0%	99,662.8	37.2%	8,305.5	57.0%
November	2,535.4	53.3%	79,772.0	35.2%	98,119.0	90.8%	4,751.2	61.5%	2,499.2	71.6%	33,001.5	17.4%	1,758.1	11.3%	99,618.3	34.9%	8,305.5	60.2%
December	2,555.4	61.5%	79,772.0	36.2%	98,119.0	100.1%	4,735.4	63.7%	2,499.2	72.2%	33,658.4	12.8%	1,758.1	5.4%	100,729.8	34.9%	8,258.5	62.7%
Year 2020																		
January	2,555.4	65.8%	79,781.8	42.7%	98,127.7	101.6%	4,736.4	64.9%	2,507.2	70.7%	35,886.5	16.5%	1,758.1	8.1%	103,483.8	36.9%	8,356.3	61.6%
February	2,555.4	70.9%	79,783.0	47.5%	98,127.7	96.6%	4,737.0	62.6%	2,507.2	70.5%	37,083.6	21.2%	1,758.1	14.5%	104,177.1	40.5%	8,326.8	61.9%
March	2,555.4	79.1%	79,783.0	39.7%	98,127.7	87.7%	4,736.1	65.9%	2,507.2	61.8%	37,497.6	22.5%	1,758.1	14.6%	104,262.2	37.9%	8,326.8	58.7%
April	2,555.4	78.1%	79,783.0	38.5%	97,116.2	83.8%	4,736.1	64.4%	2,507.2	60.0%	37,728.0	28.4%	1,758.1	24.2%	105,870.4	38.5%	8,326.8	57.4%
May	2,566.1	75.4%	79,787.0	51.4%	97,116.2	89.1%	4,719.0	63.7%	2,507.2	62.9%	38,389.9	32.2%	1,758.1	31.5%	106,150.4	35.5%	8,326.8	57.5%
June	2,566.1	73.6%	79,787.0	50.6%	97,116.2	96.1%	4,655.1	60.4%	2,507.2	62.7%	38,782.0	32.7%	1,758.1	29.7%	107,009.8	38.1%	8,326.8	57.8%
July	2,587.2	74.1%	79,789.0	46.6%	97,116.2	96.0%	4,654.1	63.7%	2,507.2	66.6%	39,989.1	33.6%	1,758.1	33.2%	107,694.8	27.6%	8,326.8	57.5%
August	2,587.2	74.0%	79,815.1	40.6%	96,514.8	95.9%	4,654.1	64.4%	2,507.2	66.8%	40,406.0	29.7%	1,758.1	28.0%	107,896.8	27.8%	8,326.8	60.0%
Sept	2,587.2	74.3%	79,815.1	33.3%	96,514.8	94.6%	4,655.7	62.4%	2,507.2	68.7%	41,009.0	25.5%	1,758.1	22.3%	108,437.6	29.2%	8,364.8	56.4%
October	2,587.2	71.1%	79,941.8	30.8%	96,554.8	82.6%	4,655.7	60.2%	2,507.2	63.9%	41,621.0	22.6%	1,758.1	19.9%	109,231.0	35.1%	8,364.8	52.8%
November	2,587.2	79.3%	79,941.8	37.9%	96,554.8	88.8%	4,669.7	61.2%	2,507.2	67.5%	41,988.5	18.6%	1,758.1	13.0%	109,549.2	42.0%	8,364.8	59.3%
December	2,587.2	76.1%	79,943.8	38.8%	96,554.8	97.3%	4,669.7	64.5%	2,507.2	70.7%	42,835.4	15.7%	1,758.1	7.0%	110,980.7	37.1%	8,364.8	60.5%
Year 2021																		
January	2,583.5	72.4%	79,956.5	44.0%	96,437.5	100.2%	4,663.9	64.5%	2,484.7	70.8%	46,158.2	16.3%	1,758.1	6.2%	118,301.6	34.1%	8,319.8	60.8%

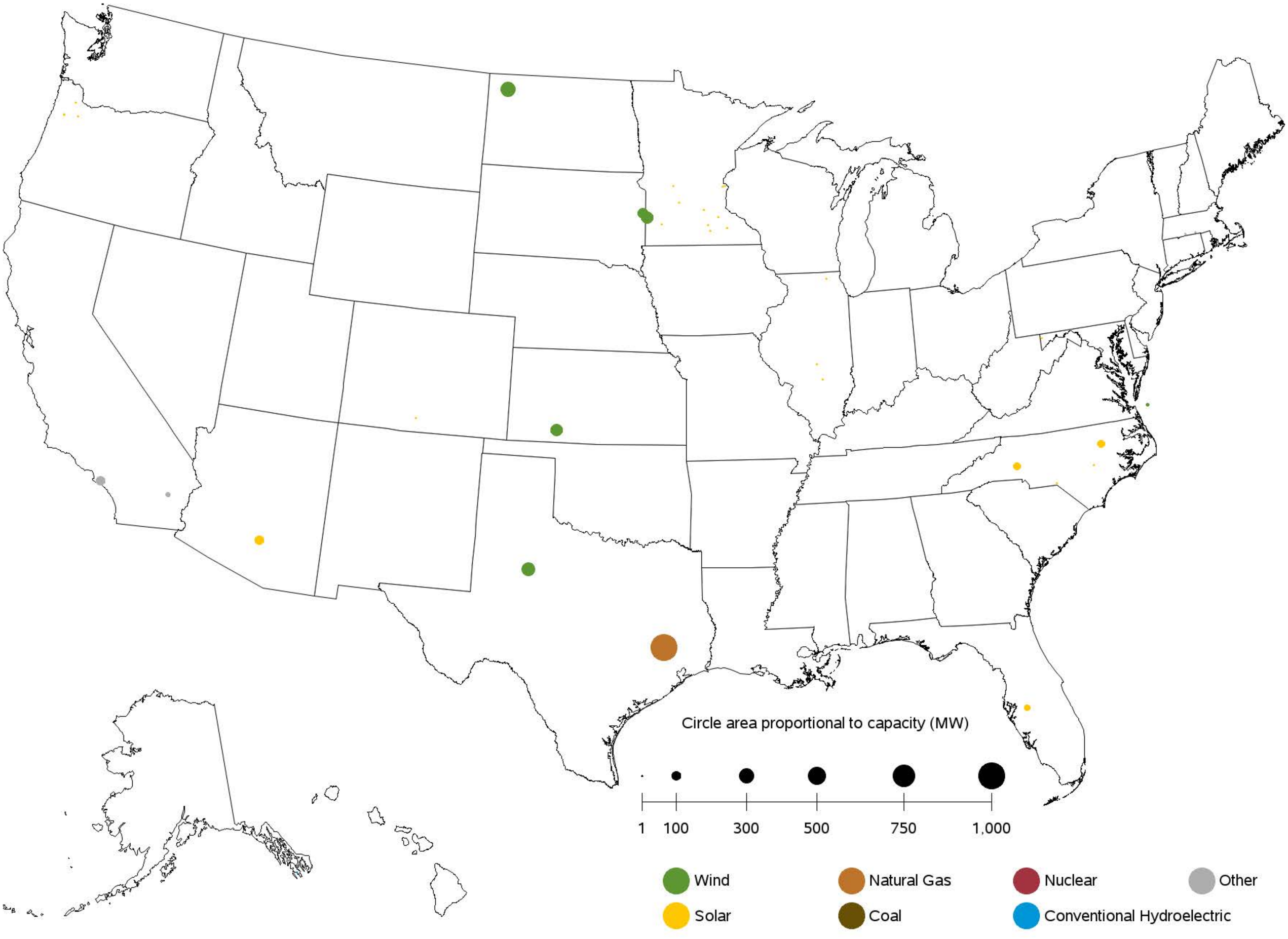
Values for 2019 and prior years are final. Values for 2020 and 2021 are preliminary.
Time adjusted capacity for month rows is the summer capacity of generators in operation for the entire month; units that began operation during the month or that retired during the month are excluded. Time adjusted capacity 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	949.8	5.4%	22,754.7	10.4%
2020	1,373.7	3.4%	22,812.7	10.5%
Year 2019				
January	864.8	5.5%	22,721.3	9.3%
February	877.1	5.7%	22,721.3	9.2%
March	901.9	6.3%	22,721.3	8.3%
April	931.0	5.9%	22,721.3	10.2%
May	934.7	5.9%	22,721.3	11.8%
June	939.7	5.2%	22,778.3	11.7%
July	962.9	5.2%	22,778.3	15.1%
August	983.9	5.0%	22,778.3	13.7%
Sept	990.8	5.8%	22,778.3	12.4%
October	998.7	4.5%	22,778.3	8.3%
November	1,001.2	5.2%	22,778.3	7.2%
December	1,006.2	5.0%	22,778.3	7.8%
Year 2020				
January	1,210.8	3.2%	22,778.3	9.0%
February	1,224.7	3.7%	22,778.3	9.1%
March	1,232.2	4.1%	22,778.3	7.9%
April	1,247.0	3.6%	22,795.3	8.2%
May	1,256.9	3.4%	22,795.3	10.8%
June	1,260.8	3.5%	22,795.3	13.5%
July	1,264.4	3.4%	22,795.3	16.0%
August	1,517.2	3.1%	22,795.3	15.1%
Sept	1,548.9	3.4%	22,795.3	11.7%
October	1,548.9	3.2%	22,875.3	8.4%
November	1,573.2	3.4%	22,875.3	7.7%
December	1,594.0	3.0%	22,893.6	8.6%
Year 2021				
January	1,460.7	3.3%	22,923.4	8.1%

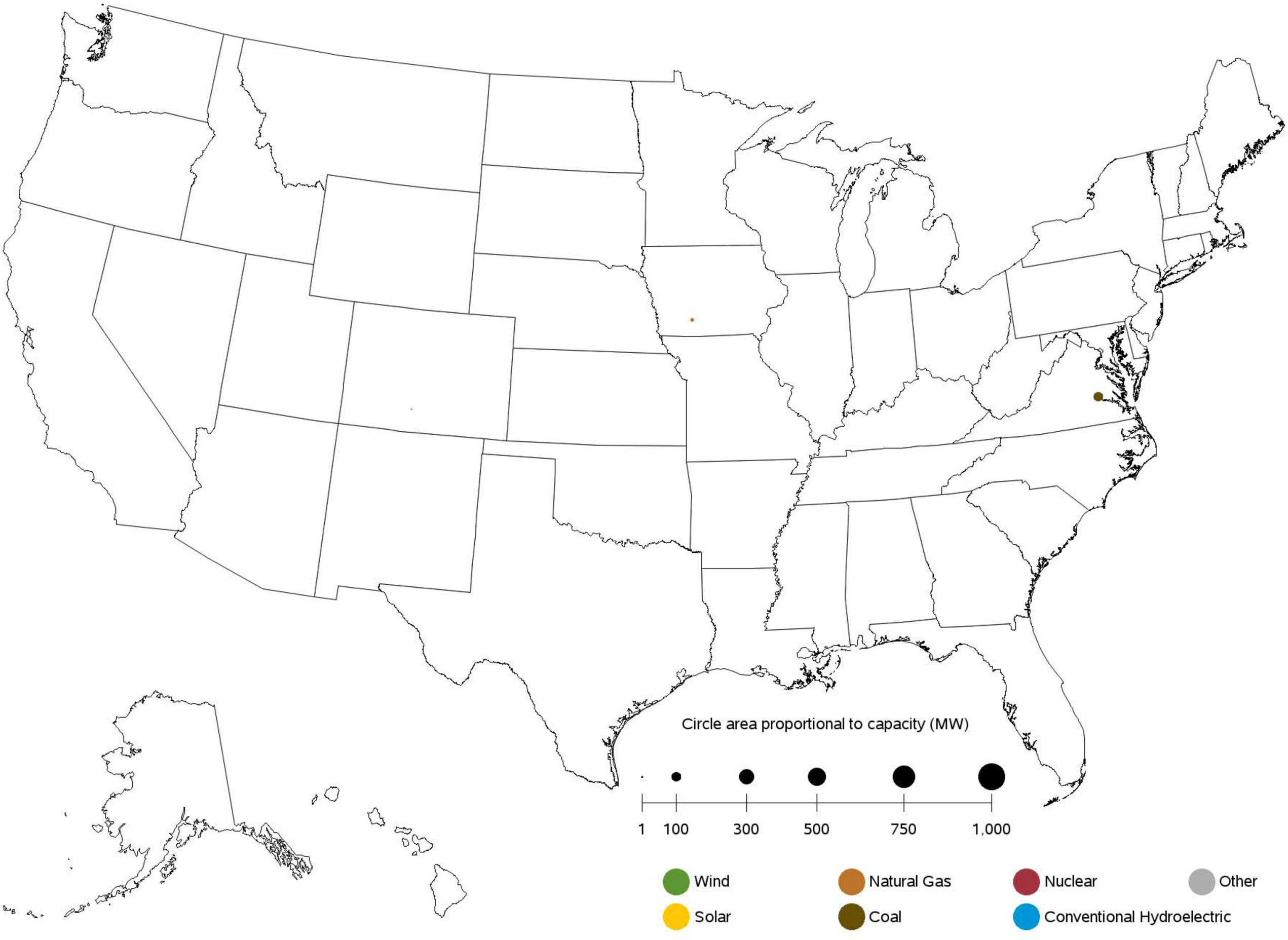
Values for 2019 and prior years are final. Values for 2020 and 2021 are preliminary.
Time adjusted capacity for month rows is the summer capacity of generators in operation for the entire month; units that began operation during the month or that retired during the month are excluded. Time adjusted capacity 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 January 2021



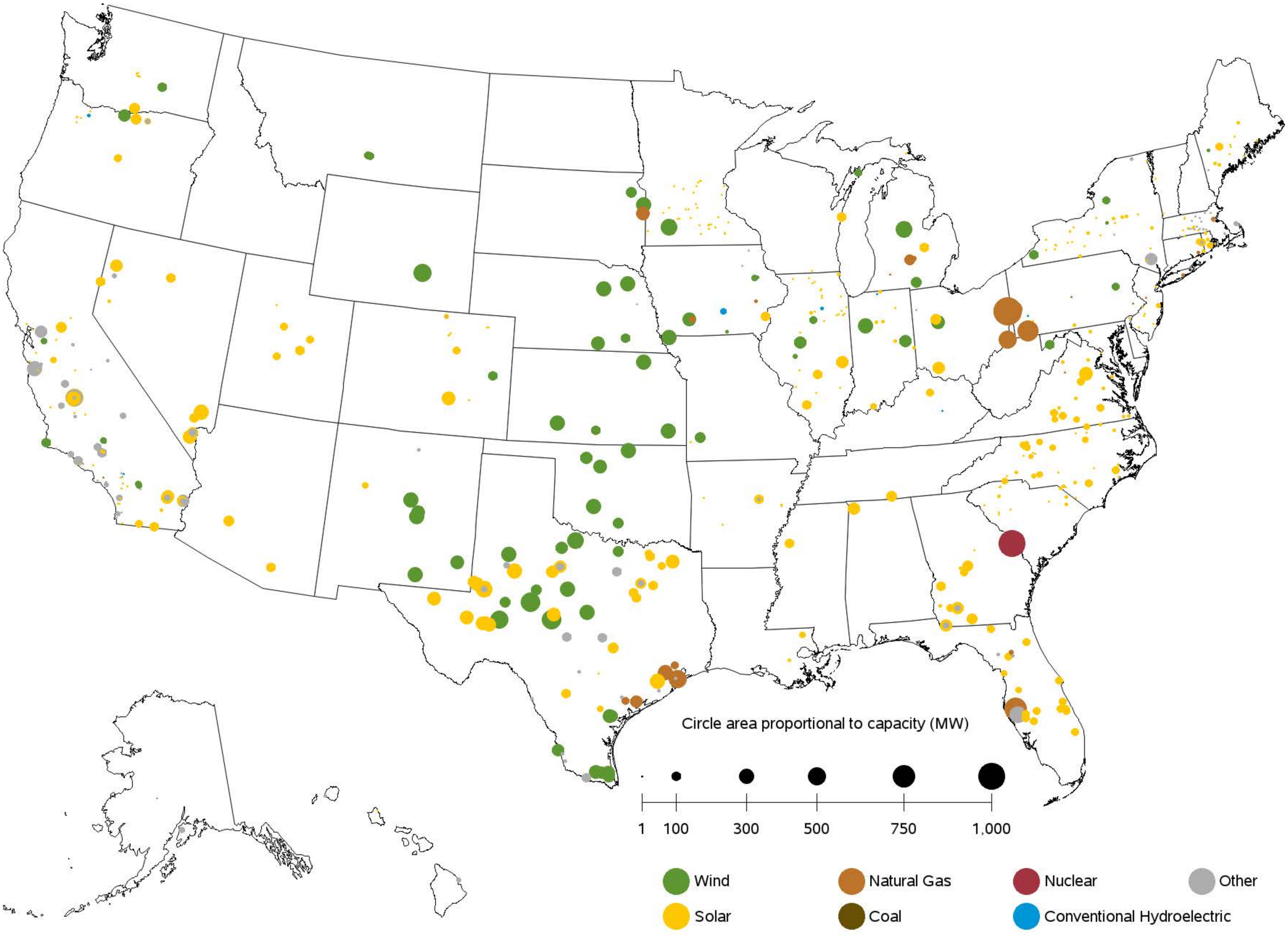
Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.B. Utility-Scale Generating Units Retired in January 2021



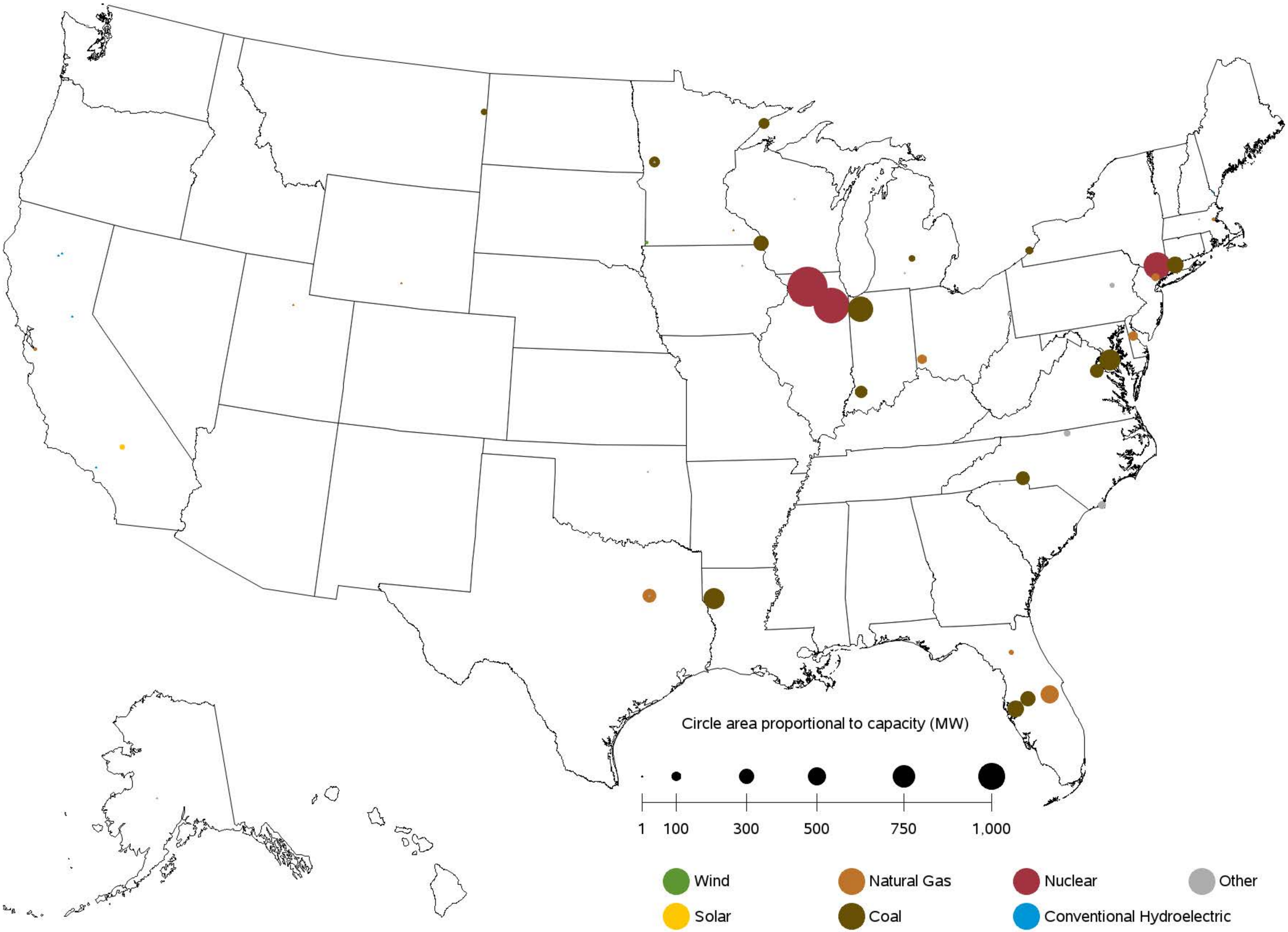
Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.C. Utility-Scale Generating Units Planned to Come Online from February 2021 to January 2022



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 February 2021 to January 2022



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
2020	57,001,240	9,855,106	4,407,718	4,319,478	61,408,958	14,174,584	47,234,374
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
Year 2020							
January	4,227,127	1,275,526	380,376	149,763	4,607,503	1,425,289	3,182,214
February	4,145,482	1,328,868	341,262	326,366	4,486,744	1,655,234	2,831,510
March	4,731,546	898,868	363,374	418,438	5,094,920	1,317,306	3,777,614
April	4,433,870	1,112,187	253,564	363,057	4,687,434	1,475,244	3,212,190
May	4,958,324	1,043,022	217,749	472,500	5,176,073	1,515,522	3,660,551
June	4,915,670	867,147	286,111	434,614	5,201,781	1,301,761	3,900,020
July	6,280,482	740,263	367,673	480,776	6,648,155	1,221,039	5,427,116
August	6,367,384	435,787	445,831	494,764	6,813,215	930,551	5,882,664
Sept	4,217,633	503,089	476,204	450,430	4,693,837	953,519	3,740,318
October	4,143,844	481,489	510,338	288,123	4,654,182	769,612	3,884,570
November	3,671,671	590,604	544,109	211,951	4,215,780	802,555	3,413,225
December	4,908,207	578,256	221,127	228,696	5,129,334	806,952	4,322,382

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, 2011 - January 2021 (Thousand Megawatthours)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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
2019	6,205	7,905	2,048	0	16,158
Year 2019					
January	447	573	154	0	1,174
February	367	487	146	0	1,000
March	448	651	180	0	1,279
April	465	681	165	0	1,311
May	512	655	189	0	1,356
June	568	693	171	0	1,431
July	618	688	181	0	1,487
August	594	719	175	0	1,488
Sept	586	713	166	0	1,464
October	587	713	196	0	1,496
November	504	678	162	0	1,343
December	509	655	165	0	1,329
Year 2020					
January	475	601	137	0	1,213
February	373	540	120	0	1,033
March	488	691	184	0	1,364
April	510	476	138	0	1,124
May	651	500	160	0	1,312
June	642	623	173	0	1,438
July	704	692	172	0	1,567
August	650	642	177	0	1,469
Sept	679	644	167	0	1,490
October	634	703	157	0	1,495
November	579	637	162	0	1,379
December	531	562	162	0	1,255
Year 2021					
January	532	560	132	0	1,224
Year to Date					
2019	447	573	154	0	1,174
2020	475	601	137	0	1,213
2021	532	560	132	0	1,224
Rolling 12 Months Ending in January					
2020	6,233	7,933	2,031	0	16,198
2021	6,974	7,271	1,904	0	16,150

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, 2011 - January 2021 (Million Dollars)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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
2019	1,330	1,811	420	0	3,560
Year 2019					
January	85	134	30	0	250
February	80	109	29	0	218
March	98	156	37	0	291
April	106	177	36	0	319
May	127	132	41	0	300
June	116	157	36	0	308
July	122	140	32	0	295
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
March	87	143	34	0	264
April	85	79	22	0	186
May	151	118	37	0	307
June	109	119	29	0	257
July	141	145	33	0	319
August	103	124	27	0	255
Sept	116	121	28	0	266
October	97	117	23	0	237
November	111	136	30	0	277
December	106	124	31	0	261
Year 2021					
January	92	108	22	0	222
Year to Date					
2019	85	134	30	0	250
2020	122	180	36	0	338
2021	92	108	22	0	222
Rolling 12 Months Ending in January					
2020	1,367	1,857	425	0	3,649
2021	1,300	1,495	347	0	3,141

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, 2011 - January 2021

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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
2019	1,341,424	124,912	588	0	1,466,924
Year 2019					
January	1,343,649	125,945	594	0	1,470,188
February	1,344,627	125,872	593	0	1,471,092
March	1,345,398	125,610	595	0	1,471,603
April	1,344,357	125,225	590	0	1,470,172
May	1,343,442	125,067	589	0	1,469,098
June	1,341,453	124,798	588	0	1,466,839
July	1,341,100	124,692	588	0	1,466,380
August	1,339,811	124,550	587	0	1,464,948
Sept	1,338,804	124,409	584	0	1,463,797
October	1,338,280	124,254	583	0	1,463,117
November	1,338,174	124,157	582	0	1,462,913
December	1,337,987	124,366	581	0	1,462,934
Year 2020					
January	1,340,652	124,815	588	0	1,466,055
February	1,340,005	124,751	586	0	1,465,342
March	1,339,508	124,615	584	0	1,464,707
April	1,339,991	124,604	585	0	1,465,180
May	1,340,943	124,631	585	0	1,466,159
June	1,341,826	124,641	586	0	1,467,053
July	1,343,139	124,665	587	0	1,468,391
August	1,345,267	124,772	588	0	1,470,627
Sept	1,347,448	124,977	587	0	1,473,012
October	1,348,580	125,097	586	0	1,474,263
November	1,349,585	125,198	587	0	1,475,370
December	1,351,190	125,390	587	0	1,477,167
Year 2021					
January	1,351,470	125,336	588	0	1,477,394
Rolling 12 Months Ending in January					
2020	1,341,174	124,818	587	0	1,466,579
2021	1,344,913	124,890	586	0	1,470,389

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, 2011 - January 2021 (Cents per Kilowatthour)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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
2019	21.43	22.90	20.51	--	22.03
Year 2019					
January	19.07	23.38	19.78	--	21.27
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	22.60	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
March	17.80	20.68	18.38	--	19.34
April	16.75	16.58	15.81	--	16.56
May	23.26	23.63	23.21	--	23.39
June	16.99	19.03	16.89	--	17.86
July	20.06	20.94	19.14	--	20.35
August	15.91	19.32	15.40	--	17.34
Sept	17.12	18.83	16.78	--	17.82
October	15.31	16.66	14.41	--	15.85
November	19.20	21.29	18.33	--	20.06
December	19.93	22.11	18.87	--	20.77
Year 2021					
January	17.37	19.27	16.78	--	18.17
Year to Date					
2019	19.07	23.38	19.78	--	21.27
2020	25.72	29.96	26.04	--	27.86
2021	17.37	19.27	16.78	--	18.17
Rolling 12 Months Ending in January					
2020	21.93	23.40	20.94	--	22.53
2021	18.63	20.56	18.23	--	19.45

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-January 2021

Period	Coal	Hydroelectric Conventional	Natural Gas	Other	Petroleum	Solar	Wind	Total
Annual Totals								
2007	454	98	1,163	0	3,049	0	0	4,764
2008	454	98	1,163	0	3,480	0	0	5,195
2009	454	98	1,163	0	3,600	0	0	5,315
2010	454	98	1,163	0	3,600	0	0	5,315
2011	454	98	1,163	0	3,600	5	0	5,320
2012	454	98	1,163	0	3,600	23	98	5,436
2013	454	98	1,163	0	3,600	26	98	5,439
2014	454	98	1,163	0	3,600	38	99	5,452
2015	454	98	1,163	9	3,604	70	99	5,497
2016	454	98	1,163	33	3,604	145	99	5,596
2017	454	98	1,163	35	3,605	145	99	5,599
2018	454	98	1,346	35	3,607	145	99	5,784
2019	454	98	1,346	35	3,607	149	99	5,788
2020	454	98	1,346	38	3,607	159	99	5,800
Year 2021								
January	454	98	1,346	35	3,607	155	99	5,794

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, January 2021

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**14**	**0**	**2**	**0**	**0**	**6**
Connecticut	0	46	0	1	0	0	19
Maine	0	49	0	12	0	0	7
Massachusetts	0	21	0	3	0	0	13
New Hampshire	0	10	0	0	0	0	12
Rhode Island	0	74	0	14	0	0	0
Vermont	0	409	0	0	0	0	11
Middle Atlantic	**3**	**4**	**0**	**1**	**16**	**0**	**2**
New Jersey	0	18	0	4	0	0	0
New York	0	4	0	2	0	0	1
Pennsylvania	3	30	0	1	22	0	7
East North Central	**0**	**8**	**24**	**1**	**5**	**0**	**18**
Illinois	0	18	0	9	0	0	29
Indiana	0	6	0	3	10	0	25
Michigan	1	5	0	1	0	0	33
Ohio	0	22	36	2	18	0	20
Wisconsin	0	43	0	1	0	0	26
West North Central	**0**	**9**	**0**	**5**	**0**	**0**	**12**
Iowa	0	13	0	2	0	0	48
Kansas	0	15	0	15	0	0	0
Minnesota	2	35	0	6	0	0	41
Missouri	0	18	0	12	0	0	9
Nebraska	3	110	0	34	0	0	36
North Dakota	0	11	0	23	0	0	24
South Dakota	0	54	0	71	0	0	15
South Atlantic	**1**	**7**	**13**	**1**	**0**	**0**	**4**
Delaware	0	122	0	14	0	0	0
District of Columbia	0	0	0	26	0	0	0
Florida	0	12	0	1	0	0	28
Georgia	0	24	63	2	0	0	7
Maryland	0	18	0	1	0	0	1
North Carolina	0	15	0	1	0	0	6
South Carolina	0	15	0	1	0	0	9
Virginia	0	16	0	2	0	0	10
West Virginia	1	0	0	17	0	0	10
East South Central	**0**	**2**	**0**	**1**	**133**	**0**	**3**
Alabama	0	14	0	2	379	0	4
Kentucky	0	0	0	4	0	0	5
Mississippi	0	1	0	0	0	0	0
Tennessee	0	0	0	3	0	0	4
West South Central	**0**	**12**	**0**	**1**	**5**	**0**	**4**
Arkansas	0	8	0	9	0	0	6
Louisiana	0	124	0	1	9	0	11
Oklahoma	0	1	0	1	0	0	6
Texas	0	15	0	1	4	0	14
Mountain	**1**	**15**	**0**	**1**	**4**	**0**	**8**
Arizona	8	15	0	0	0	0	9
Colorado	0	62	0	1	0	0	28
Idaho	118	0	0	9	0	0	14
Montana	3	59	0	22	0	0	14
Nevada	0	0	0	0	0	0	7
New Mexico	0	36	0	3	0	0	97
Utah	0	1	0	1	0	0	44
Wyoming	3	1	0	7	4	0	41
Pacific Contiguous	**0**	**16**	**0**	**1**	**3**	**0**	**2**
California	0	13	0	1	4	0	9
Oregon	0	216	0	3	0	0	5
Washington	0	45	0	4	0	0	2
Pacific Noncontiguous	**10**	**1**	**0**	**21**	**0**	**0**	**31**
Alaska	22	4	0	21	0	0	32
Hawaii	0	1	0	0	0	0	94
U.S. Total	**0**	**1**	**5**	**0**	**3**	**0**	**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.1.A. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Total (All Sectors) by Census Division and State, January 2021 (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**	**6**	**8**	**0**	**2**	**1**
Connecticut	0	0	0	14	29	0	0	1
Maine	0	0	0	16	8	0	8	5
Massachusetts	0	0	0	8	8	0	1	3
New Hampshire	0	0	0	0	38	0	0	3
Rhode Island	0	0	0	18	11	0	0	13
Vermont	0	0	0	25	23	0	0	11
Middle Atlantic	**0**	**0**	**0**	**5**	**3**	**0**	**1**	**0**
New Jersey	0	0	0	8	4	0	0	1
New York	0	0	0	9	5	0	2	1
Pennsylvania	0	0	0	18	5	0	0	1
East North Central	**0**	**0**	**0**	**8**	**2**	**0**	**2**	**0**
Illinois	0	0	0	20	3	0	0	1
Indiana	0	0	0	14	4	0	0	1
Michigan	0	0	0	15	6	0	11	1
Ohio	0	0	0	22	2	0	0	1
Wisconsin	0	0	0	15	9	0	22	1
West North Central	**0**	**0**	**0**	**6**	**1**	**0**	**5**	**1**
Iowa	0	0	0	11	2	0	0	1
Kansas	0	0	0	23	2	0	0	1
Minnesota	0	0	0	7	4	0	5	2
Missouri	0	0	0	25	2	0	0	1
Nebraska	0	0	0	39	4	0	0	3
North Dakota	0	0	0	0	4	0	26	2
South Dakota	0	0	0	212	3	0	0	8
South Atlantic	**0**	**0**	**0**	**1**	**2**	**0**	**0**	**0**
Delaware	0	0	0	26	16	0	0	12
District of Columbia	0	0	0	75	12	0	0	18
Florida	0	0	0	1	2	0	0	1
Georgia	0	0	0	3	3	0	0	1
Maryland	0	0	0	10	3	0	0	0
North Carolina	0	0	0	2	2	0	0	0
South Carolina	0	0	0	4	8	0	0	0
Virginia	0	0	0	3	10	0	0	1
West Virginia	0	0	0	0	0	0	0	1
East South Central	**0**	**0**	**0**	**3**	**3**	**0**	**7**	**0**
Alabama	0	0	0	7	4	0	0	1
Kentucky	0	0	0	38	16	0	0	1
Mississippi	0	0	0	2	4	0	0	0
Tennessee	0	0	0	9	8	0	115	1
West South Central	**0**	**0**	**0**	**1**	**1**	**0**	**3**	**1**
Arkansas	0	0	0	3	6	0	0	2
Louisiana	0	0	0	12	6	0	0	1
Oklahoma	0	0	0	29	2	0	0	1
Texas	0	0	0	1	1	0	4	1
Mountain	**0**	**9**	**0**	**1**	**1**	**0**	**2**	**1**
Arizona	0	0	0	2	4	0	0	1
Colorado	0	0	0	5	2	0	0	1
Idaho	0	43	0	8	8	0	0	9
Montana	0	0	0	0	4	0	0	6
Nevada	0	9	0	2	5	0	0	1
New Mexico	0	0	0	5	2	0	0	1
Utah	0	23	0	2	3	0	6	1
Wyoming	0	0	0	0	3	0	0	3
Pacific Contiguous	**0**	**4**	**0**	**1**	**2**	**0**	**2**	**1**
California	0	4	0	1	2	0	2	1
Oregon	0	32	0	8	6	0	0	3
Washington	0	0	0	33	6	0	0	1
Pacific Noncontiguous	**0**	**69**	**0**	**7**	**10**	**0**	**0**	**6**
Alaska	0	0	0	0	37	0	0	14
Hawaii	0	69	0	7	11	0	0	2
U.S. Total	**0**	**5**	**0**	**1**	**1**	**0**	**0**	**0**

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

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

Total (All Sectors) by Census Division and State, Year-to-Date through January 2021

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**14**	**0**	**2**	**0**	**0**	**6**
Connecticut	0	46	0	1	0	0	19
Maine	0	49	0	12	0	0	7
Massachusetts	0	21	0	3	0	0	13
New Hampshire	0	10	0	0	0	0	12
Rhode Island	0	74	0	14	0	0	0
Vermont	0	409	0	0	0	0	11
Middle Atlantic	**3**	**4**	**0**	**1**	**16**	**0**	**2**
New Jersey	0	18	0	4	0	0	0
New York	0	4	0	2	0	0	1
Pennsylvania	3	30	0	1	22	0	7
East North Central	**0**	**8**	**24**	**1**	**5**	**0**	**18**
Illinois	0	18	0	9	0	0	29
Indiana	0	6	0	3	10	0	25
Michigan	1	5	0	1	0	0	33
Ohio	0	22	36	2	18	0	20
Wisconsin	0	43	0	1	0	0	26
West North Central	**0**	**9**	**0**	**5**	**0**	**0**	**12**
Iowa	0	13	0	2	0	0	48
Kansas	0	15	0	15	0	0	0
Minnesota	2	35	0	6	0	0	41
Missouri	0	18	0	12	0	0	9
Nebraska	3	110	0	34	0	0	36
North Dakota	0	11	0	23	0	0	24
South Dakota	0	54	0	71	0	0	15
South Atlantic	**1**	**7**	**13**	**1**	**0**	**0**	**4**
Delaware	0	122	0	14	0	0	0
District of Columbia	0	0	0	26	0	0	0
Florida	0	12	0	1	0	0	28
Georgia	0	24	63	2	0	0	7
Maryland	0	18	0	1	0	0	1
North Carolina	0	15	0	1	0	0	6
South Carolina	0	15	0	1	0	0	9
Virginia	0	16	0	2	0	0	10
West Virginia	1	0	0	17	0	0	10
East South Central	**0**	**2**	**0**	**1**	**133**	**0**	**3**
Alabama	0	14	0	2	379	0	4
Kentucky	0	0	0	4	0	0	5
Mississippi	0	1	0	0	0	0	0
Tennessee	0	0	0	3	0	0	4
West South Central	**0**	**12**	**0**	**1**	**5**	**0**	**4**
Arkansas	0	8	0	9	0	0	6
Louisiana	0	124	0	1	9	0	11
Oklahoma	0	1	0	1	0	0	6
Texas	0	15	0	1	4	0	14
Mountain	**1**	**15**	**0**	**1**	**4**	**0**	**8**
Arizona	8	15	0	0	0	0	9
Colorado	0	62	0	1	0	0	28
Idaho	118	0	0	9	0	0	14
Montana	3	59	0	22	0	0	14
Nevada	0	0	0	0	0	0	7
New Mexico	0	36	0	3	0	0	97
Utah	0	1	0	1	0	0	44
Wyoming	3	1	0	7	4	0	41
Pacific Contiguous	**0**	**16**	**0**	**1**	**3**	**0**	**2**
California	0	13	0	1	4	0	9
Oregon	0	216	0	3	0	0	5
Washington	0	45	0	4	0	0	2
Pacific Noncontiguous	**10**	**1**	**0**	**21**	**0**	**0**	**31**
Alaska	22	4	0	21	0	0	32
Hawaii	0	1	0	0	0	0	94
U.S. Total	**0**	**1**	**5**	**0**	**3**	**0**	**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.1.B. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Total (All Sectors) by Census Division and State, Year-to-Date through January 2021 (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**	**6**	**8**	**0**	**2**	**1**
Connecticut	0	0	0	14	29	0	0	1
Maine	0	0	0	16	8	0	8	5
Massachusetts	0	0	0	8	8	0	1	3
New Hampshire	0	0	0	0	38	0	0	3
Rhode Island	0	0	0	18	11	0	0	13
Vermont	0	0	0	25	23	0	0	11
Middle Atlantic	**0**	**0**	**0**	**5**	**3**	**0**	**1**	**0**
New Jersey	0	0	0	8	4	0	0	1
New York	0	0	0	9	5	0	2	1
Pennsylvania	0	0	0	18	5	0	0	1
East North Central	**0**	**0**	**0**	**8**	**2**	**0**	**2**	**0**
Illinois	0	0	0	20	3	0	0	1
Indiana	0	0	0	14	4	0	0	1
Michigan	0	0	0	15	6	0	11	1
Ohio	0	0	0	22	2	0	0	1
Wisconsin	0	0	0	15	9	0	22	1
West North Central	**0**	**0**	**0**	**6**	**1**	**0**	**5**	**1**
Iowa	0	0	0	11	2	0	0	1
Kansas	0	0	0	23	2	0	0	1
Minnesota	0	0	0	7	4	0	5	2
Missouri	0	0	0	25	2	0	0	1
Nebraska	0	0	0	39	4	0	0	3
North Dakota	0	0	0	0	4	0	26	2
South Dakota	0	0	0	212	3	0	0	8
South Atlantic	**0**	**0**	**0**	**1**	**2**	**0**	**0**	**0**
Delaware	0	0	0	26	16	0	0	12
District of Columbia	0	0	0	75	12	0	0	18
Florida	0	0	0	1	2	0	0	1
Georgia	0	0	0	3	3	0	0	1
Maryland	0	0	0	10	3	0	0	0
North Carolina	0	0	0	2	2	0	0	0
South Carolina	0	0	0	4	8	0	0	0
Virginia	0	0	0	3	10	0	0	1
West Virginia	0	0	0	0	0	0	0	1
East South Central	**0**	**0**	**0**	**3**	**3**	**0**	**7**	**0**
Alabama	0	0	0	7	4	0	0	1
Kentucky	0	0	0	38	16	0	0	1
Mississippi	0	0	0	2	4	0	0	0
Tennessee	0	0	0	9	8	0	115	1
West South Central	**0**	**0**	**0**	**1**	**1**	**0**	**3**	**1**
Arkansas	0	0	0	3	6	0	0	2
Louisiana	0	0	0	12	6	0	0	1
Oklahoma	0	0	0	29	2	0	0	1
Texas	0	0	0	1	1	0	4	1
Mountain	**0**	**9**	**0**	**1**	**1**	**0**	**2**	**1**
Arizona	0	0	0	2	4	0	0	1
Colorado	0	0	0	5	2	0	0	1
Idaho	0	43	0	8	8	0	0	9
Montana	0	0	0	0	4	0	0	6
Nevada	0	9	0	2	5	0	0	1
New Mexico	0	0	0	5	2	0	0	1
Utah	0	23	0	2	3	0	6	1
Wyoming	0	0	0	0	3	0	0	3
Pacific Contiguous	**0**	**4**	**0**	**1**	**2**	**0**	**2**	**1**
California	0	4	0	1	2	0	2	1
Oregon	0	32	0	8	6	0	0	3
Washington	0	0	0	33	6	0	0	1
Pacific Noncontiguous	**0**	**69**	**0**	**7**	**10**	**0**	**0**	**6**
Alaska	0	0	0	0	37	0	0	14
Hawaii	0	69	0	7	11	0	0	2
U.S. Total	**0**	**5**	**0**	**1**	**1**	**0**	**0**	**0**

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

Table A.1.C. Relative Standard Error (Percent) for Small Scale Solar Generation and Capacity by Sector, Census Division and State, January 2021

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	1	0	.	0
Rhode Island	0	0	0	.	0
Vermont	2	5	48	.	2
Middle Atlantic	**0**	**0**	**4**	**.**	**0**
New Jersey	0	1	5	.	0
New York	0	0	3	.	0
Pennsylvania	0	2	1	.	1
East North Central	**2**	**3**	**4**	**.**	**2**
Illinois	2	4	0	.	2
Indiana	6	4	45	.	4
Michigan	4	19	36	.	6
Ohio	6	7	3	.	4
Wisconsin	10	13	5	.	8
West North Central	**1**	**1**	**2**	**.**	**1**
Iowa	3	1	10	.	1
Kansas	6	4	0	.	4
Minnesota	3	3	2	.	2
Missouri	2	1	3	.	1
Nebraska	9	16	15	.	7
North Dakota	0	0	0	.	0
South Dakota	0	0	0	.	0
South Atlantic	**1**	**2**	**2**	**.**	**1**
Delaware	5	5	29	.	4
District of Columbia	0	0	0	.	0
Florida	3	6	3	.	2
Georgia	126	38	0	.	71
Maryland	1	2	2	.	1
North Carolina	4	4	0	.	3
South Carolina	4	8	0	.	4
Virginia	7	4	3	.	5
West Virginia	6	0	0	.	4
East South Central	**6**	**4**	**0**	**.**	**4**
Alabama	0	0	0	.	0
Kentucky	6	5	0	.	5
Mississippi	16	11	0	.	10
Tennessee	0	0	0	.	0
West South Central	**3**	**5**	**10**	**.**	**3**
Arkansas	12	12	11	.	7
Louisiana	4	5	35	.	3
Oklahoma	14	11	0	.	11
Texas	5	6	52	.	4
Mountain	**0**	**0**	**1**	**.**	**0**
Arizona	0	0	0	.	0
Colorado	1	1	23	.	1
Idaho	1	3	0	.	1
Montana	4	2	0	.	3
Nevada	0	0	0	.	0
New Mexico	1	1	55	.	1
Utah	1	1	0	.	1
Wyoming	6	13	61	.	5
Pacific Contiguous	**0**	**1**	**0**	**.**	**0**
California	0	1	0	.	0
Oregon	1	8	5	.	3
Washington	2	21	20	.	3
Pacific Noncontiguous	**0**	**0**	**0**	**.**	**0**
Alaska	8	12	0	.	7
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, January 2021

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**23**	**0**	**104**	**0**	**0**	**13**
Connecticut	0	43	0	0	0	0	20
Maine	0	0	0	0	0	0	206
Massachusetts	0	286	0	259	0	0	30
New Hampshire	0	5	0	0	0	0	21
Rhode Island	0	0	0	0	0	0	0
Vermont	0	409	0	0	0	0	20
Middle Atlantic	**0**	**2**	**0**	**4**	**0**	**0**	**0**
New Jersey	0	0	0	195	0	0	0
New York	0	2	0	4	0	0	0
Pennsylvania	0	0	0	0	0	0	0
East North Central	**0**	**7**	**0**	**2**	**0**	**0**	**19**
Illinois	0	130	0	13	0	0	26
Indiana	0	6	0	7	0	0	25
Michigan	1	5	0	5	0	0	34
Ohio	3	34	0	5	0	0	24
Wisconsin	0	47	0	1	0	0	28
West North Central	**0**	**9**	**0**	**5**	**0**	**0**	**12**
Iowa	0	13	0	2	0	0	49
Kansas	0	15	0	15	0	0	0
Minnesota	2	36	0	5	0	0	49
Missouri	0	18	0	15	0	0	9
Nebraska	3	110	0	34	0	0	36
North Dakota	0	11	0	24	0	0	24
South Dakota	0	54	0	71	0	0	15
South Atlantic	**0**	**8**	**0**	**1**	**0**	**0**	**4**
Delaware	0	0	0	0	0	0	0
Florida	0	13	0	1	0	0	28
Georgia	0	34	0	2	0	0	7
Maryland	0	14	0	0	0	0	0
North Carolina	0	15	0	0	0	0	6
South Carolina	0	18	0	0	0	0	9
Virginia	0	58	0	2	0	0	11
West Virginia	0	0	0	0	0	0	15
East South Central	**0**	**1**	**0**	**1**	**0**	**0**	**3**
Alabama	0	960	0	7	0	0	4
Kentucky	0	0	0	4	0	0	5
Mississippi	0	2	0	0	0	0	0
Tennessee	0	0	0	3	0	0	4
West South Central	**0**	**13**	**0**	**2**	**0**	**0**	**5**
Arkansas	0	6	0	11	0	0	6
Louisiana	0	124	0	2	0	0	0
Oklahoma	0	1	0	2	0	0	6
Texas	0	11	0	5	0	0	14
Mountain	**2**	**16**	**0**	**1**	**0**	**0**	**8**
Arizona	8	15	0	1	0	0	9
Colorado	0	62	0	1	0	0	29
Idaho	0	0	0	5	0	0	14
Montana	0	708	0	26	0	0	14
Nevada	0	0	0	0	0	0	0
New Mexico	0	36	0	4	0	0	97
Utah	0	1	0	1	0	0	44
Wyoming	3	1	0	12	0	0	41
Pacific Contiguous	**0**	**20**	**0**	**2**	**0**	**0**	**2**
California	0	16	0	1	0	0	8
Oregon	0	220	0	5	0	0	5
Washington	0	84	0	6	0	0	2
Pacific Noncontiguous	**32**	**1**	**0**	**22**	**0**	**0**	**34**
Alaska	32	4	0	22	0	0	34
Hawaii	0	1	0	0	0	0	0
U.S. Total	**0**	**1**	**0**	**1**	**0**	**0**	**3**

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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, January 2021 (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**	**23**	**5**	**0**	**0**	**7**
Connecticut	0	0	0	0	0	0	0	9
Maine	0	0	0	0	0	0	0	206
Massachusetts	0	0	0	28	20	0	0	30
New Hampshire	0	0	0	0	0	0	0	9
Rhode Island	0	0	0	0	0	0	0	0
Vermont	0	0	0	19	2	0	0	10
Middle Atlantic	**0**	**0**	**0**	**32**	**32**	**0**	**0**	**1**
New Jersey	0	0	0	32	32	0	0	55
New York	0	0	0	0	0	0	0	1
Pennsylvania	0	0	0	0	0	0	0	0
East North Central	**0**	**0**	**0**	**12**	**6**	**0**	**22**	**1**
Illinois	0	0	0	66	17	0	0	3
Indiana	0	0	0	18	9	0	0	1
Michigan	0	0	0	32	5	0	0	1
Ohio	0	0	0	107	122	0	0	3
Wisconsin	0	0	0	14	19	0	24	2
West North Central	**0**	**0**	**0**	**51**	**2**	**0**	**7**	**1**
Iowa	0	0	0	98	2	0	0	1
Kansas	0	0	0	212	8	0	0	1
Minnesota	0	0	0	171	10	0	0	2
Missouri	0	0	0	81	2	0	0	1
Nebraska	0	0	0	113	26	0	0	3
North Dakota	0	0	0	0	7	0	26	3
South Dakota	0	0	0	0	22	0	0	12
South Atlantic	**0**	**0**	**0**	**1**	**5**	**0**	**0**	**0**
Delaware	0	0	0	112	112	0	0	36
Florida	0	0	0	0	0	0	0	1
Georgia	0	0	0	8	8	0	0	1
Maryland	0	0	0	98	98	0	0	1
North Carolina	0	0	0	7	7	0	0	0
South Carolina	0	0	0	102	20	0	0	0
Virginia	0	0	0	5	26	0	0	1
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**33**	**16**	**0**	**0**	**1**
Alabama	0	0	0	59	59	0	0	1
Kentucky	0	0	0	38	16	0	0	1
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	399	399	0	0	1
West South Central	**0**	**0**	**0**	**24**	**9**	**0**	**0**	**1**
Arkansas	0	0	0	231	231	0	0	2
Louisiana	0	0	0	44	44	0	0	1
Oklahoma	0	0	0	29	9	0	0	1
Texas	0	0	0	71	33	0	0	3
Mountain	**0**	**39**	**0**	**7**	**3**	**0**	**16**	**1**
Arizona	0	0	0	9	9	0	0	2
Colorado	0	0	0	104	2	0	0	1
Idaho	0	0	0	0	42	0	0	12
Montana	0	0	0	0	37	0	0	13
Nevada	0	0	0	8	8	0	0	0
New Mexico	0	0	0	15	2	0	0	1
Utah	0	39	0	0	39	0	28	1
Wyoming	0	0	0	0	8	0	0	3
Pacific Contiguous	**0**	**0**	**0**	**13**	**7**	**0**	**0**	**1**
California	0	0	0	13	5	0	0	1
Oregon	0	0	0	123	12	0	0	4
Washington	0	0	0	118	12	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**21**	**30**	**0**	**0**	**8**
Alaska	0	0	0	0	61	0	0	16
Hawaii	0	0	0	21	14	0	0	1
U.S. Total	**0**	**6**	**0**	**1**	**2**	**0**	**4**	**0**

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

Electric Utilities by Census Division and State, Year-to-Date through January 2021

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**23**	**0**	**104**	**0**	**0**	**13**
Connecticut	0	43	0	0	0	0	20
Maine	0	0	0	0	0	0	206
Massachusetts	0	286	0	259	0	0	30
New Hampshire	0	5	0	0	0	0	21
Rhode Island	0	0	0	0	0	0	0
Vermont	0	409	0	0	0	0	20
Middle Atlantic	**0**	**2**	**0**	**4**	**0**	**0**	**0**
New Jersey	0	0	0	195	0	0	0
New York	0	2	0	4	0	0	0
Pennsylvania	0	0	0	0	0	0	0
East North Central	**0**	**7**	**0**	**2**	**0**	**0**	**19**
Illinois	0	130	0	13	0	0	26
Indiana	0	6	0	7	0	0	25
Michigan	1	5	0	5	0	0	34
Ohio	3	34	0	5	0	0	24
Wisconsin	0	47	0	1	0	0	28
West North Central	**0**	**9**	**0**	**5**	**0**	**0**	**12**
Iowa	0	13	0	2	0	0	49
Kansas	0	15	0	15	0	0	0
Minnesota	2	36	0	5	0	0	49
Missouri	0	18	0	15	0	0	9
Nebraska	3	110	0	34	0	0	36
North Dakota	0	11	0	24	0	0	24
South Dakota	0	54	0	71	0	0	15
South Atlantic	**0**	**8**	**0**	**1**	**0**	**0**	**4**
Delaware	0	0	0	0	0	0	0
Florida	0	13	0	1	0	0	28
Georgia	0	34	0	2	0	0	7
Maryland	0	14	0	0	0	0	0
North Carolina	0	15	0	0	0	0	6
South Carolina	0	18	0	0	0	0	9
Virginia	0	58	0	2	0	0	11
West Virginia	0	0	0	0	0	0	15
East South Central	**0**	**1**	**0**	**1**	**0**	**0**	**3**
Alabama	0	960	0	7	0	0	4
Kentucky	0	0	0	4	0	0	5
Mississippi	0	2	0	0	0	0	0
Tennessee	0	0	0	3	0	0	4
West South Central	**0**	**13**	**0**	**2**	**0**	**0**	**5**
Arkansas	0	6	0	11	0	0	6
Louisiana	0	124	0	2	0	0	0
Oklahoma	0	1	0	2	0	0	6
Texas	0	11	0	5	0	0	14
Mountain	**2**	**16**	**0**	**1**	**0**	**0**	**8**
Arizona	8	15	0	1	0	0	9
Colorado	0	62	0	1	0	0	29
Idaho	0	0	0	5	0	0	14
Montana	0	708	0	26	0	0	14
Nevada	0	0	0	0	0	0	0
New Mexico	0	36	0	4	0	0	97
Utah	0	1	0	1	0	0	44
Wyoming	3	1	0	12	0	0	41
Pacific Contiguous	**0**	**20**	**0**	**2**	**0**	**0**	**2**
California	0	16	0	1	0	0	8
Oregon	0	220	0	5	0	0	5
Washington	0	84	0	6	0	0	2
Pacific Noncontiguous	**32**	**1**	**0**	**22**	**0**	**0**	**34**
Alaska	32	4	0	22	0	0	34
Hawaii	0	1	0	0	0	0	0
U.S. Total	**0**	**1**	**0**	**1**	**0**	**0**	**3**

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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 January 2021 (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**	**23**	**5**	**0**	**0**	**7**
Connecticut	0	0	0	0	0	0	0	9
Maine	0	0	0	0	0	0	0	206
Massachusetts	0	0	0	28	20	0	0	30
New Hampshire	0	0	0	0	0	0	0	9
Rhode Island	0	0	0	0	0	0	0	0
Vermont	0	0	0	19	2	0	0	10
Middle Atlantic	**0**	**0**	**0**	**32**	**32**	**0**	**0**	**1**
New Jersey	0	0	0	32	32	0	0	55
New York	0	0	0	0	0	0	0	1
Pennsylvania	0	0	0	0	0	0	0	0
East North Central	**0**	**0**	**0**	**12**	**6**	**0**	**22**	**1**
Illinois	0	0	0	66	17	0	0	3
Indiana	0	0	0	18	9	0	0	1
Michigan	0	0	0	32	5	0	0	1
Ohio	0	0	0	107	122	0	0	3
Wisconsin	0	0	0	14	19	0	24	2
West North Central	**0**	**0**	**0**	**51**	**2**	**0**	**7**	**1**
Iowa	0	0	0	98	2	0	0	1
Kansas	0	0	0	212	8	0	0	1
Minnesota	0	0	0	171	10	0	0	2
Missouri	0	0	0	81	2	0	0	1
Nebraska	0	0	0	113	26	0	0	3
North Dakota	0	0	0	0	7	0	26	3
South Dakota	0	0	0	0	22	0	0	12
South Atlantic	**0**	**0**	**0**	**1**	**5**	**0**	**0**	**0**
Delaware	0	0	0	112	112	0	0	36
Florida	0	0	0	0	0	0	0	1
Georgia	0	0	0	8	8	0	0	1
Maryland	0	0	0	98	98	0	0	1
North Carolina	0	0	0	7	7	0	0	0
South Carolina	0	0	0	102	20	0	0	0
Virginia	0	0	0	5	26	0	0	1
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**33**	**16**	**0**	**0**	**1**
Alabama	0	0	0	59	59	0	0	1
Kentucky	0	0	0	38	16	0	0	1
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	399	399	0	0	1
West South Central	**0**	**0**	**0**	**24**	**9**	**0**	**0**	**1**
Arkansas	0	0	0	231	231	0	0	2
Louisiana	0	0	0	44	44	0	0	1
Oklahoma	0	0	0	29	9	0	0	1
Texas	0	0	0	71	33	0	0	3
Mountain	**0**	**39**	**0**	**7**	**3**	**0**	**16**	**1**
Arizona	0	0	0	9	9	0	0	2
Colorado	0	0	0	104	2	0	0	1
Idaho	0	0	0	0	42	0	0	12
Montana	0	0	0	0	37	0	0	13
Nevada	0	0	0	8	8	0	0	0
New Mexico	0	0	0	15	2	0	0	1
Utah	0	39	0	0	39	0	28	1
Wyoming	0	0	0	0	8	0	0	3
Pacific Contiguous	**0**	**0**	**0**	**13**	**7**	**0**	**0**	**1**
California	0	0	0	13	5	0	0	1
Oregon	0	0	0	123	12	0	0	4
Washington	0	0	0	118	12	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**21**	**30**	**0**	**0**	**8**
Alaska	0	0	0	0	61	0	0	16
Hawaii	0	0	0	21	14	0	0	1
U.S. Total	**0**	**6**	**0**	**1**	**2**	**0**	**4**	**0**

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

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

Independent Power Producers by Census Division and State, January 2021

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**17**	**0**	**2**	**0**	**0**	**6**
Connecticut	0	69	0	1	0	0	20
Maine	0	13	0	13	0	0	7
Massachusetts	0	9	0	3	0	0	14
New Hampshire	0	20	0	0	0	0	13
Rhode Island	0	161	0	15	0	0	0
Vermont	0	0	0	0	0	0	14
Middle Atlantic	**3**	**12**	**0**	**1**	**0**	**0**	**5**
New Jersey	0	18	0	4	0	0	0
New York	0	14	0	2	0	0	6
Pennsylvania	3	32	0	1	0	0	7
East North Central	**0**	**19**	**36**	**2**	**6**	**0**	**51**
Illinois	0	15	0	10	0	0	48
Indiana	0	0	0	0	0	0	0
Michigan	0	0	0	1	0	0	132
Ohio	0	26	36	2	21	0	36
Wisconsin	0	0	0	0	0	0	111
West North Central	**0**	**157**	**0**	**10**	**0**	**0**	**84**
Iowa	0	106	0	0	0	0	0
Kansas	0	0	0	0	0	0	0
Minnesota	0	246	0	19	0	0	94
Missouri	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0
South Atlantic	**4**	**23**	**0**	**2**	**0**	**0**	**4**
Delaware	0	129	0	59	0	0	0
Florida	0	251	0	7	0	0	0
Georgia	0	238	0	1	0	0	188
Maryland	0	18	0	0	0	0	1
North Carolina	0	179	0	5	0	0	38
South Carolina	0	0	0	35	0	0	34
Virginia	0	23	0	4	0	0	35
West Virginia	6	0	0	32	0	0	20
East South Central	**0**	**3**	**0**	**0**	**0**	**0**	**137**
Alabama	0	3	0	0	0	0	0
Kentucky	0	0	0	0	0	0	137
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0
West South Central	**0**	**25**	**0**	**1**	**0**	**0**	**10**
Arkansas	0	0	0	0	0	0	48
Louisiana	0	0	0	1	0	0	11
Oklahoma	0	0	0	0	0	0	0
Texas	0	27	0	1	0	0	0
Mountain	**3**	**10**	**0**	**1**	**0**	**0**	**36**
Arizona	0	0	0	0	0	0	0
Colorado	0	0	0	7	0	0	87
Idaho	0	0	0	27	0	0	46
Montana	3	30	0	27	0	0	107
Nevada	0	0	0	0	0	0	137
New Mexico	0	0	0	2	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**	**38**
California	0	0	0	1	0	0	50
Oregon	0	0	0	0	0	0	82
Washington	0	70	0	6	0	0	69
Pacific Noncontiguous	**6**	**0**	**0**	**0**	**0**	**0**	**0**
Alaska	38	114	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**1**	**4**	**24**	**1**	**3**	**0**	**5**

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

Independent Power Producers by Census Division and State, January 2021 (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**	**6**	**10**	**0**	**1**	**2**
Connecticut	0	0	0	14	29	0	0	1
Maine	0	0	0	16	10	0	0	6
Massachusetts	0	0	0	8	9	0	1	3
New Hampshire	0	0	0	0	39	0	0	3
Rhode Island	0	0	0	18	11	0	0	14
Vermont	0	0	0	30	66	0	0	19
Middle Atlantic	**0**	**0**	**0**	**6**	**3**	**0**	**0**	**0**
New Jersey	0	0	0	8	5	0	0	1
New York	0	0	0	9	5	0	0	1
Pennsylvania	0	0	0	19	5	0	0	1
East North Central	**0**	**0**	**0**	**10**	**2**	**0**	**15**	**1**
Illinois	0	0	0	20	3	0	0	1
Indiana	0	0	0	21	4	0	0	1
Michigan	0	0	0	17	9	0	21	2
Ohio	0	0	0	23	2	0	0	1
Wisconsin	0	0	0	36	6	0	0	2
West North Central	**0**	**0**	**0**	**6**	**1**	**0**	**0**	**1**
Iowa	0	0	0	9	4	0	0	4
Kansas	0	0	0	23	2	0	0	2
Minnesota	0	0	0	7	4	0	0	5
Missouri	0	0	0	27	2	0	0	1
Nebraska	0	0	0	41	4	0	0	4
North Dakota	0	0	0	0	4	0	0	4
South Dakota	0	0	0	212	2	0	0	2
South Atlantic	**0**	**0**	**0**	**2**	**2**	**0**	**0**	**1**
Delaware	0	0	0	25	17	0	0	44
District of Columbia	0	0	0	75	75	0	0	75
Florida	0	0	0	4	5	0	0	4
Georgia	0	0	0	3	4	0	0	1
Maryland	0	0	0	10	3	0	0	0
North Carolina	0	0	0	3	2	0	0	3
South Carolina	0	0	0	4	15	0	0	12
Virginia	0	0	0	5	12	0	0	3
West Virginia	0	0	0	0	0	0	0	5
East South Central	**0**	**0**	**0**	**3**	**5**	**0**	**0**	**0**
Alabama	0	0	0	6	7	0	0	0
Kentucky	0	0	0	226	41	0	0	31
Mississippi	0	0	0	2	2	0	0	0
Tennessee	0	0	0	9	14	0	0	13
West South Central	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**1**
Arkansas	0	0	0	3	5	0	0	1
Louisiana	0	0	0	0	9	0	0	3
Oklahoma	0	0	0	0	2	0	0	1
Texas	0	0	0	1	1	0	0	1
Mountain	**0**	**10**	**0**	**1**	**2**	**0**	**0**	**1**
Arizona	0	0	0	2	5	0	0	1
Colorado	0	0	0	5	2	0	0	3
Idaho	0	43	0	8	10	0	0	12
Montana	0	0	0	0	3	0	0	3
Nevada	0	10	0	2	6	0	0	4
New Mexico	0	0	0	5	3	0	0	2
Utah	0	28	0	2	3	0	0	3
Wyoming	0	0	0	0	3	0	0	3
Pacific Contiguous	**0**	**4**	**0**	**1**	**2**	**0**	**0**	**1**
California	0	4	0	1	2	0	0	1
Oregon	0	32	0	8	6	0	0	3
Washington	0	0	0	0	7	0	0	4
Pacific Noncontiguous	**0**	**69**	**0**	**7**	**13**	**0**	**0**	**5**
Alaska	0	0	0	0	79	0	0	34
Hawaii	0	69	0	7	13	0	0	5
U.S. Total	**0**	**5**	**0**	**1**	**1**	**0**	**0**	**0**

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

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

Independent Power Producers by Census Division and State, Year-to-Date through January 2021

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**17**	**0**	**2**	**0**	**0**	**6**
Connecticut	0	69	0	1	0	0	20
Maine	0	13	0	13	0	0	7
Massachusetts	0	9	0	3	0	0	14
New Hampshire	0	20	0	0	0	0	13
Rhode Island	0	161	0	15	0	0	0
Vermont	0	0	0	0	0	0	14
Middle Atlantic	**3**	**12**	**0**	**1**	**0**	**0**	**5**
New Jersey	0	18	0	4	0	0	0
New York	0	14	0	2	0	0	6
Pennsylvania	3	32	0	1	0	0	7
East North Central	**0**	**19**	**36**	**2**	**6**	**0**	**51**
Illinois	0	15	0	10	0	0	48
Indiana	0	0	0	0	0	0	0
Michigan	0	0	0	1	0	0	132
Ohio	0	26	36	2	21	0	36
Wisconsin	0	0	0	0	0	0	111
West North Central	**0**	**157**	**0**	**10**	**0**	**0**	**84**
Iowa	0	106	0	0	0	0	0
Kansas	0	0	0	0	0	0	0
Minnesota	0	246	0	19	0	0	94
Missouri	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0
South Atlantic	**4**	**23**	**0**	**2**	**0**	**0**	**4**
Delaware	0	129	0	59	0	0	0
Florida	0	251	0	7	0	0	0
Georgia	0	238	0	1	0	0	188
Maryland	0	18	0	0	0	0	1
North Carolina	0	179	0	5	0	0	38
South Carolina	0	0	0	35	0	0	34
Virginia	0	23	0	4	0	0	35
West Virginia	6	0	0	32	0	0	20
East South Central	**0**	**3**	**0**	**0**	**0**	**0**	**137**
Alabama	0	3	0	0	0	0	0
Kentucky	0	0	0	0	0	0	137
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0
West South Central	**0**	**25**	**0**	**1**	**0**	**0**	**10**
Arkansas	0	0	0	0	0	0	48
Louisiana	0	0	0	1	0	0	11
Oklahoma	0	0	0	0	0	0	0
Texas	0	27	0	1	0	0	0
Mountain	**3**	**10**	**0**	**1**	**0**	**0**	**36**
Arizona	0	0	0	0	0	0	0
Colorado	0	0	0	7	0	0	87
Idaho	0	0	0	27	0	0	46
Montana	3	30	0	27	0	0	107
Nevada	0	0	0	0	0	0	137
New Mexico	0	0	0	2	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**	**38**
California	0	0	0	1	0	0	50
Oregon	0	0	0	0	0	0	82
Washington	0	70	0	6	0	0	69
Pacific Noncontiguous	**6**	**0**	**0**	**0**	**0**	**0**	**0**
Alaska	38	114	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**1**	**4**	**24**	**1**	**3**	**0**	**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.

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 January 2021 (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**	**6**	**10**	**0**	**1**	**2**
Connecticut	0	0	0	14	29	0	0	1
Maine	0	0	0	16	10	0	0	6
Massachusetts	0	0	0	8	9	0	1	3
New Hampshire	0	0	0	0	39	0	0	3
Rhode Island	0	0	0	18	11	0	0	14
Vermont	0	0	0	30	66	0	0	19
Middle Atlantic	**0**	**0**	**0**	**6**	**3**	**0**	**0**	**0**
New Jersey	0	0	0	8	5	0	0	1
New York	0	0	0	9	5	0	0	1
Pennsylvania	0	0	0	19	5	0	0	1
East North Central	**0**	**0**	**0**	**10**	**2**	**0**	**15**	**1**
Illinois	0	0	0	20	3	0	0	1
Indiana	0	0	0	21	4	0	0	1
Michigan	0	0	0	17	9	0	21	2
Ohio	0	0	0	23	2	0	0	1
Wisconsin	0	0	0	36	6	0	0	2
West North Central	**0**	**0**	**0**	**6**	**1**	**0**	**0**	**1**
Iowa	0	0	0	9	4	0	0	4
Kansas	0	0	0	23	2	0	0	2
Minnesota	0	0	0	7	4	0	0	5
Missouri	0	0	0	27	2	0	0	1
Nebraska	0	0	0	41	4	0	0	4
North Dakota	0	0	0	0	4	0	0	4
South Dakota	0	0	0	212	2	0	0	2
South Atlantic	**0**	**0**	**0**	**2**	**2**	**0**	**0**	**1**
Delaware	0	0	0	25	17	0	0	44
District of Columbia	0	0	0	75	75	0	0	75
Florida	0	0	0	4	5	0	0	4
Georgia	0	0	0	3	4	0	0	1
Maryland	0	0	0	10	3	0	0	0
North Carolina	0	0	0	3	2	0	0	3
South Carolina	0	0	0	4	15	0	0	12
Virginia	0	0	0	5	12	0	0	3
West Virginia	0	0	0	0	0	0	0	5
East South Central	**0**	**0**	**0**	**3**	**5**	**0**	**0**	**0**
Alabama	0	0	0	6	7	0	0	0
Kentucky	0	0	0	226	41	0	0	31
Mississippi	0	0	0	2	2	0	0	0
Tennessee	0	0	0	9	14	0	0	13
West South Central	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**1**
Arkansas	0	0	0	3	5	0	0	1
Louisiana	0	0	0	0	9	0	0	3
Oklahoma	0	0	0	0	2	0	0	1
Texas	0	0	0	1	1	0	0	1
Mountain	**0**	**10**	**0**	**1**	**2**	**0**	**0**	**1**
Arizona	0	0	0	2	5	0	0	1
Colorado	0	0	0	5	2	0	0	3
Idaho	0	43	0	8	10	0	0	12
Montana	0	0	0	0	3	0	0	3
Nevada	0	10	0	2	6	0	0	4
New Mexico	0	0	0	5	3	0	0	2
Utah	0	28	0	2	3	0	0	3
Wyoming	0	0	0	0	3	0	0	3
Pacific Contiguous	**0**	**4**	**0**	**1**	**2**	**0**	**0**	**1**
California	0	4	0	1	2	0	0	1
Oregon	0	32	0	8	6	0	0	3
Washington	0	0	0	0	7	0	0	4
Pacific Noncontiguous	**0**	**69**	**0**	**7**	**13**	**0**	**0**	**5**
Alaska	0	0	0	0	79	0	0	34
Hawaii	0	69	0	7	13	0	0	5
U.S. Total	**0**	**5**	**0**	**1**	**1**	**0**	**0**	**0**

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

Table A.4.A. Relative Standard Error for Net Generation by Fuel Type: Commercial Sector by Census Division and State, January 2021

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**41**	**0**	**12**	**0**	**0**	**0**
Connecticut	0	0	0	19	0	0	0
Maine	0	293	0	0	0	0	0
Massachusetts	0	208	0	18	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**	**149**	**0**	**12**	**0**	**0**	**0**
New Jersey	0	218	0	25	0	0	0
New York	0	224	0	15	0	0	0
Pennsylvania	0	0	0	9	0	0	0
East North Central	**0**	**39**	**0**	**6**	**0**	**0**	**0**
Illinois	0	52	0	18	0	0	0
Indiana	0	0	0	0	0	0	0
Michigan	0	121	0	9	0	0	0
Ohio	0	0	0	5	0	0	0
Wisconsin	0	127	0	11	0	0	0
West North Central	**0**	**25**	**0**	**5**	**0**	**0**	**0**
Iowa	0	0	0	13	0	0	0
Minnesota	0	30	0	11	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	1,736	0	0	0	0	0
South Atlantic	**0**	**5**	**0**	**7**	**0**	**0**	**0**
District of Columbia	0	0	0	26	0	0	0
Florida	0	0	0	0	0	0	0
Georgia	0	24	0	0	0	0	0
Maryland	0	1,168	0	4	0	0	0
North Carolina	0	389	0	45	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**	**23**	**0**	**0**	**0**
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	23	0	0	0
West South Central	**0**	**0**	**0**	**22**	**0**	**0**	**341**
Arkansas	0	0	0	106	0	0	0
Louisiana	0	0	0	23	0	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	0	0	31	0	0	341
Mountain	**0**	**2,720**	**0**	**13**	**0**	**0**	**0**
Arizona	0	2,720	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**	**78**	**0**	**7**	**0**	**0**	**33**
California	0	22	0	7	0	0	33
Oregon	0	1,114	0	0	0	0	0
Washington	0	0	0	0	0	0	0
Pacific Noncontiguous	**36**	**13**	**0**	**0**	**0**	**0**	**110**
Alaska	36	242	0	0	0	0	110
Hawaii	0	0	0	0	0	0	0
U.S. Total	**15**	**19**	**0**	**4**	**0**	**0**	**75**

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, January 2021 (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**	**85**	**11**	**0**	**45**	**10**
Connecticut	0	0	0	127	127	0	0	18
Maine	0	0	0	0	24	0	45	23
Massachusetts	0	0	0	114	20	0	0	17
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**	**22**	**5**	**0**	**4**	**6**
New Jersey	0	0	0	23	9	0	0	8
New York	0	0	0	96	7	0	9	10
Pennsylvania	0	0	0	109	7	0	0	4
East North Central	**0**	**0**	**0**	**79**	**17**	**0**	**0**	**5**
Illinois	0	0	0	166	192	0	0	17
Indiana	0	0	0	201	13	0	0	1
Michigan	0	0	0	256	4	0	0	7
Ohio	0	0	0	138	29	0	0	5
Wisconsin	0	0	0	181	34	0	0	15
West North Central	**0**	**0**	**0**	**0**	**19**	**0**	**45**	**7**
Iowa	0	0	0	0	42	0	0	9
Kansas	0	0	0	0	138	0	0	138
Minnesota	0	0	0	0	27	0	45	14
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	402	0	0	376
South Dakota	0	0	0	0	0	0	0	1,736
South Atlantic	**0**	**0**	**0**	**24**	**7**	**0**	**0**	**4**
Delaware	0	0	0	0	0	0	0	0
District of Columbia	0	0	0	0	0	0	0	18
Florida	0	0	0	90	26	0	0	16
Georgia	0	0	0	162	162	0	0	105
Maryland	0	0	0	64	27	0	0	4
North Carolina	0	0	0	27	27	0	0	22
South Carolina	0	0	0	0	0	0	0	0
Virginia	0	0	0	191	4	0	0	2
East South Central	**0**	**0**	**0**	**131**	**131**	**0**	**0**	**23**
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	131	131	0	0	23
West South Central	**0**	**0**	**0**	**39**	**23**	**0**	**0**	**21**
Arkansas	0	0	0	0	0	0	0	83
Louisiana	0	0	0	0	0	0	0	23
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	132	30	0	0	29
Mountain	**0**	**0**	**0**	**29**	**3**	**0**	**0**	**5**
Arizona	0	0	0	73	73	0	0	5
Colorado	0	0	0	69	69	0	0	44
Idaho	0	0	0	0	28	0	0	11
Nevada	0	0	0	36	2	0	0	2
New Mexico	0	0	0	0	288	0	0	55
Utah	0	0	0	0	0	0	0	0
Pacific Contiguous	**0**	**0**	**0**	**22**	**6**	**0**	**0**	**5**
California	0	0	0	22	6	0	0	5
Oregon	0	0	0	0	28	0	0	11
Washington	0	0	0	0	46	0	0	21
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**25**
Alaska	0	0	0	0	0	0	0	56
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**11**	**3**	**0**	**3**	**3**

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

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

Commercial Sector by Census Division and State, Year-to-Date through January 2021

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**41**	**0**	**12**	**0**	**0**	**0**
Connecticut	0	0	0	19	0	0	0
Maine	0	293	0	0	0	0	0
Massachusetts	0	208	0	18	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**	**149**	**0**	**12**	**0**	**0**	**0**
New Jersey	0	218	0	25	0	0	0
New York	0	224	0	15	0	0	0
Pennsylvania	0	0	0	9	0	0	0
East North Central	**0**	**39**	**0**	**6**	**0**	**0**	**0**
Illinois	0	52	0	18	0	0	0
Indiana	0	0	0	0	0	0	0
Michigan	0	121	0	9	0	0	0
Ohio	0	0	0	5	0	0	0
Wisconsin	0	127	0	11	0	0	0
West North Central	**0**	**25**	**0**	**5**	**0**	**0**	**0**
Iowa	0	0	0	13	0	0	0
Minnesota	0	30	0	11	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	1,736	0	0	0	0	0
South Atlantic	**0**	**5**	**0**	**7**	**0**	**0**	**0**
District of Columbia	0	0	0	26	0	0	0
Florida	0	0	0	0	0	0	0
Georgia	0	24	0	0	0	0	0
Maryland	0	1,168	0	4	0	0	0
North Carolina	0	389	0	45	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**	**23**	**0**	**0**	**0**
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	23	0	0	0
West South Central	**0**	**0**	**0**	**22**	**0**	**0**	**341**
Arkansas	0	0	0	106	0	0	0
Louisiana	0	0	0	23	0	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	0	0	31	0	0	341
Mountain	**0**	**2,720**	**0**	**13**	**0**	**0**	**0**
Arizona	0	2,720	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**	**78**	**0**	**7**	**0**	**0**	**33**
California	0	22	0	7	0	0	33
Oregon	0	1,114	0	0	0	0	0
Washington	0	0	0	0	0	0	0
Pacific Noncontiguous	**36**	**13**	**0**	**0**	**0**	**0**	**110**
Alaska	36	242	0	0	0	0	110
Hawaii	0	0	0	0	0	0	0
U.S. Total	**15**	**19**	**0**	**4**	**0**	**0**	**75**

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 January 2021 (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**	**85**	**11**	**0**	**45**	**10**
Connecticut	0	0	0	127	127	0	0	18
Maine	0	0	0	0	24	0	45	23
Massachusetts	0	0	0	114	20	0	0	17
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**	**22**	**5**	**0**	**4**	**6**
New Jersey	0	0	0	23	9	0	0	8
New York	0	0	0	96	7	0	9	10
Pennsylvania	0	0	0	109	7	0	0	4
East North Central	**0**	**0**	**0**	**79**	**17**	**0**	**0**	**5**
Illinois	0	0	0	166	192	0	0	17
Indiana	0	0	0	201	13	0	0	1
Michigan	0	0	0	256	4	0	0	7
Ohio	0	0	0	138	29	0	0	5
Wisconsin	0	0	0	181	34	0	0	15
West North Central	**0**	**0**	**0**	**0**	**19**	**0**	**45**	**7**
Iowa	0	0	0	0	42	0	0	9
Kansas	0	0	0	0	138	0	0	138
Minnesota	0	0	0	0	27	0	45	14
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	402	0	0	376
South Dakota	0	0	0	0	0	0	0	1,736
South Atlantic	**0**	**0**	**0**	**24**	**7**	**0**	**0**	**4**
Delaware	0	0	0	0	0	0	0	0
District of Columbia	0	0	0	0	0	0	0	18
Florida	0	0	0	90	26	0	0	16
Georgia	0	0	0	162	162	0	0	105
Maryland	0	0	0	64	27	0	0	4
North Carolina	0	0	0	27	27	0	0	22
South Carolina	0	0	0	0	0	0	0	0
Virginia	0	0	0	191	4	0	0	2
East South Central	**0**	**0**	**0**	**131**	**131**	**0**	**0**	**23**
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	131	131	0	0	23
West South Central	**0**	**0**	**0**	**39**	**23**	**0**	**0**	**21**
Arkansas	0	0	0	0	0	0	0	83
Louisiana	0	0	0	0	0	0	0	23
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	132	30	0	0	29
Mountain	**0**	**0**	**0**	**29**	**3**	**0**	**0**	**5**
Arizona	0	0	0	73	73	0	0	5
Colorado	0	0	0	69	69	0	0	44
Idaho	0	0	0	0	28	0	0	11
Nevada	0	0	0	36	2	0	0	2
New Mexico	0	0	0	0	288	0	0	55
Utah	0	0	0	0	0	0	0	0
Pacific Contiguous	**0**	**0**	**0**	**22**	**6**	**0**	**0**	**5**
California	0	0	0	22	6	0	0	5
Oregon	0	0	0	0	28	0	0	11
Washington	0	0	0	0	46	0	0	21
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**25**
Alaska	0	0	0	0	0	0	0	56
Hawaii	0	0	0	0	0	0	0	0
U.S. Total	**0**	**0**	**0**	**11**	**3**	**0**	**3**	**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, January 2021

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**104**	**0**	**10**	**0**	**0**	**38**
Connecticut	0	0	0	14	0	0	0
Maine	0	153	0	22	0	0	38
Massachusetts	0	0	0	9	0	0	0
New Hampshire	0	0	0	0	0	0	0
Rhode Island	0	842	0	35	0	0	0
Middle Atlantic	**0**	**49**	**0**	**7**	**16**	**0**	**14**
New Jersey	0	0	0	17	0	0	0
New York	0	2	0	5	0	0	14
Pennsylvania	0	192	0	11	22	0	0
East North Central	**6**	**22**	**0**	**5**	**8**	**0**	**66**
Illinois	6	0	0	13	0	0	0
Indiana	0	0	0	7	10	0	0
Michigan	0	51	0	15	0	0	251
Ohio	0	0	0	12	0	0	0
Wisconsin	22	68	0	14	0	0	68
West North Central	**5**	**0**	**0**	**8**	**0**	**0**	**0**
Iowa	2	0	0	12	0	0	0
Kansas	0	0	0	31	0	0	0
Minnesota	47	0	0	0	0	0	0
Missouri	0	0	0	0	0	0	0
Nebraska	13	0	0	0	0	0	0
North Dakota	50	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0
South Atlantic	**10**	**21**	**63**	**6**	**0**	**0**	**17**
Delaware	0	0	0	0	0	0	0
Florida	46	40	0	14	0	0	0
Georgia	27	31	63	26	0	0	45
Maryland	0	0	0	0	0	0	0
North Carolina	5	47	0	28	0	0	408
South Carolina	0	0	0	16	0	0	0
Virginia	0	792	0	7	0	0	0
West Virginia	0	0	0	0	0	0	17
East South Central	**0**	**38**	**0**	**9**	**133**	**0**	**0**
Alabama	0	170	0	18	379	0	0
Kentucky	0	0	0	8	0	0	0
Mississippi	0	0	0	23	0	0	0
Tennessee	0	0	0	7	0	0	0
West South Central	**0**	**62**	**0**	**1**	**8**	**0**	**0**
Arkansas	0	1,155	0	31	0	0	0
Louisiana	0	0	0	2	9	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	11	0	2	10	0	0
Mountain	**23**	**0**	**0**	**5**	**4**	**0**	**0**
Colorado	0	0	0	0	0	0	0
Idaho	118	0	0	26	0	0	0
Montana	67	0	0	58	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	24	0	0	8	4	0	0
Pacific Contiguous	**0**	**44**	**0**	**2**	**3**	**0**	**0**
California	0	0	0	2	4	0	0
Oregon	0	0	0	33	0	0	0
Washington	0	68	0	6	0	0	0
Pacific Noncontiguous	**0**	**3**	**0**	**0**	**0**	**0**	**148**
Alaska	0	19	0	0	0	0	0
Hawaii	0	0	0	0	0	0	148
U.S. Total	**3**	**7**	**30**	**1**	**4**	**0**	**17**

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

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

Industrial Sector by Census Division and State, January 2021 (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**	**108**	**8**	**0**	**0**	**6**
Connecticut	0	0	0	926	926	0	0	14
Maine	0	0	0	0	8	0	0	7
Massachusetts	0	0	0	108	189	0	0	10
New Hampshire	0	0	0	0	0	0	0	0
Rhode Island	0	0	0	0	0	0	0	34
Middle Atlantic	**0**	**0**	**0**	**59**	**8**	**0**	**0**	**6**
New Jersey	0	0	0	96	96	0	0	7
New York	0	0	0	114	20	0	0	5
Pennsylvania	0	0	0	100	8	0	0	8
East North Central	**0**	**0**	**0**	**0**	**7**	**0**	**0**	**3**
Illinois	0	0	0	0	0	0	0	4
Indiana	0	0	0	0	25	0	0	5
Michigan	0	0	0	0	9	0	0	8
Ohio	0	0	0	0	17	0	0	9
Wisconsin	0	0	0	0	11	0	0	10
West North Central	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**3**
Iowa	0	0	0	0	0	0	0	3
Kansas	0	0	0	0	0	0	0	30
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	13
North Dakota	0	0	0	0	61	0	0	32
South Dakota	0	0	0	0	0	0	0	0
South Atlantic	**0**	**0**	**0**	**111**	**3**	**0**	**0**	**3**
Delaware	0	0	0	0	62	0	0	1
Florida	0	0	0	159	8	0	0	6
Georgia	0	0	0	0	5	0	0	6
Maryland	0	0	0	0	0	0	0	0
North Carolina	0	0	0	0	6	0	0	5
South Carolina	0	0	0	154	3	0	0	3
Virginia	0	0	0	0	0	0	0	2
West Virginia	0	0	0	0	0	0	0	7
East South Central	**0**	**0**	**0**	**0**	**3**	**0**	**115**	**4**
Alabama	0	0	0	0	4	0	0	6
Kentucky	0	0	0	0	22	0	0	12
Mississippi	0	0	0	0	4	0	0	7
Tennessee	0	0	0	0	11	0	115	5
West South Central	**0**	**0**	**0**	**0**	**5**	**0**	**3**	**1**
Arkansas	0	0	0	0	8	0	0	9
Louisiana	0	0	0	0	6	0	0	2
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	0	12	0	5	2
Mountain	**0**	**0**	**0**	**100**	**1**	**0**	**0**	**3**
Colorado	0	0	0	0	0	0	0	0
Idaho	0	0	0	154	2	0	0	9
Montana	0	0	0	0	0	0	0	28
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	4
Pacific Contiguous	**0**	**0**	**0**	**33**	**7**	**0**	**4**	**2**
California	0	0	0	33	12	0	4	2
Oregon	0	0	0	0	14	0	0	13
Washington	0	0	0	0	10	0	0	6
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**179**	**0**	**0**	**31**
Alaska	0	0	0	0	179	0	0	5
Hawaii	0	0	0	0	0	0	0	46
U.S. Total	**0**	**0**	**0**	**25**	**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 January 2021

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**104**	**0**	**10**	**0**	**0**	**38**
Connecticut	0	0	0	14	0	0	0
Maine	0	153	0	22	0	0	38
Massachusetts	0	0	0	9	0	0	0
New Hampshire	0	0	0	0	0	0	0
Rhode Island	0	842	0	35	0	0	0
Middle Atlantic	**0**	**49**	**0**	**7**	**16**	**0**	**14**
New Jersey	0	0	0	17	0	0	0
New York	0	2	0	5	0	0	14
Pennsylvania	0	192	0	11	22	0	0
East North Central	**6**	**22**	**0**	**5**	**8**	**0**	**66**
Illinois	6	0	0	13	0	0	0
Indiana	0	0	0	7	10	0	0
Michigan	0	51	0	15	0	0	251
Ohio	0	0	0	12	0	0	0
Wisconsin	22	68	0	14	0	0	68
West North Central	**5**	**0**	**0**	**8**	**0**	**0**	**0**
Iowa	2	0	0	12	0	0	0
Kansas	0	0	0	31	0	0	0
Minnesota	47	0	0	0	0	0	0
Missouri	0	0	0	0	0	0	0
Nebraska	13	0	0	0	0	0	0
North Dakota	50	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0
South Atlantic	**10**	**21**	**63**	**6**	**0**	**0**	**17**
Delaware	0	0	0	0	0	0	0
Florida	46	40	0	14	0	0	0
Georgia	27	31	63	26	0	0	45
Maryland	0	0	0	0	0	0	0
North Carolina	5	47	0	28	0	0	408
South Carolina	0	0	0	16	0	0	0
Virginia	0	792	0	7	0	0	0
West Virginia	0	0	0	0	0	0	17
East South Central	**0**	**38**	**0**	**9**	**133**	**0**	**0**
Alabama	0	170	0	18	379	0	0
Kentucky	0	0	0	8	0	0	0
Mississippi	0	0	0	23	0	0	0
Tennessee	0	0	0	7	0	0	0
West South Central	**0**	**62**	**0**	**1**	**8**	**0**	**0**
Arkansas	0	1,155	0	31	0	0	0
Louisiana	0	0	0	2	9	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	11	0	2	10	0	0
Mountain	**23**	**0**	**0**	**5**	**4**	**0**	**0**
Colorado	0	0	0	0	0	0	0
Idaho	118	0	0	26	0	0	0
Montana	67	0	0	58	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	24	0	0	8	4	0	0
Pacific Contiguous	**0**	**44**	**0**	**2**	**3**	**0**	**0**
California	0	0	0	2	4	0	0
Oregon	0	0	0	33	0	0	0
Washington	0	68	0	6	0	0	0
Pacific Noncontiguous	**0**	**3**	**0**	**0**	**0**	**0**	**148**
Alaska	0	19	0	0	0	0	0
Hawaii	0	0	0	0	0	0	148
U.S. Total	**3**	**7**	**30**	**1**	**4**	**0**	**17**

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

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

Industrial Sector by Census Division and State, Year-to-Date through January 2021 (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**	**108**	**8**	**0**	**0**	**6**
Connecticut	0	0	0	926	926	0	0	14
Maine	0	0	0	0	8	0	0	7
Massachusetts	0	0	0	108	189	0	0	10
New Hampshire	0	0	0	0	0	0	0	0
Rhode Island	0	0	0	0	0	0	0	34
Middle Atlantic	**0**	**0**	**0**	**59**	**8**	**0**	**0**	**6**
New Jersey	0	0	0	96	96	0	0	7
New York	0	0	0	114	20	0	0	5
Pennsylvania	0	0	0	100	8	0	0	8
East North Central	**0**	**0**	**0**	**0**	**7**	**0**	**0**	**3**
Illinois	0	0	0	0	0	0	0	4
Indiana	0	0	0	0	25	0	0	5
Michigan	0	0	0	0	9	0	0	8
Ohio	0	0	0	0	17	0	0	9
Wisconsin	0	0	0	0	11	0	0	10
West North Central	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**3**
Iowa	0	0	0	0	0	0	0	3
Kansas	0	0	0	0	0	0	0	30
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	13
North Dakota	0	0	0	0	61	0	0	32
South Dakota	0	0	0	0	0	0	0	0
South Atlantic	**0**	**0**	**0**	**111**	**3**	**0**	**0**	**3**
Delaware	0	0	0	0	62	0	0	1
Florida	0	0	0	159	8	0	0	6
Georgia	0	0	0	0	5	0	0	6
Maryland	0	0	0	0	0	0	0	0
North Carolina	0	0	0	0	6	0	0	5
South Carolina	0	0	0	154	3	0	0	3
Virginia	0	0	0	0	0	0	0	2
West Virginia	0	0	0	0	0	0	0	7
East South Central	**0**	**0**	**0**	**0**	**3**	**0**	**115**	**4**
Alabama	0	0	0	0	4	0	0	6
Kentucky	0	0	0	0	22	0	0	12
Mississippi	0	0	0	0	4	0	0	7
Tennessee	0	0	0	0	11	0	115	5
West South Central	**0**	**0**	**0**	**0**	**5**	**0**	**3**	**1**
Arkansas	0	0	0	0	8	0	0	9
Louisiana	0	0	0	0	6	0	0	2
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	0	12	0	5	2
Mountain	**0**	**0**	**0**	**100**	**1**	**0**	**0**	**3**
Colorado	0	0	0	0	0	0	0	0
Idaho	0	0	0	154	2	0	0	9
Montana	0	0	0	0	0	0	0	28
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	4
Pacific Contiguous	**0**	**0**	**0**	**33**	**7**	**0**	**4**	**2**
California	0	0	0	33	12	0	4	2
Oregon	0	0	0	0	14	0	0	13
Washington	0	0	0	0	10	0	0	6
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**179**	**0**	**0**	**31**
Alaska	0	0	0	0	179	0	0	5
Hawaii	0	0	0	0	0	0	0	46
U.S. Total	**0**	**0**	**0**	**25**	**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, January 2021

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

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

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

by End-Use Sector, Census Division, and State, Year-to-Date through January 2021

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**1**	**0**	**0**
Connecticut	0	0	1	0	0
Maine	1	0	0	0	0
Massachusetts	1	0	1	0	0
New Hampshire	1	0	1	0	0
Rhode Island	0	0	0	0	0
Vermont	3	1	2	0	1
Middle Atlantic	**0**	**0**	**0**	**0**	**0**
New Jersey	0	0	1	0	0
New York	0	0	0	0	0
Pennsylvania	0	0	0	0	0
East North Central	**0**	**0**	**0**	**0**	**0**
Illinois	1	0	0	0	0
Indiana	1	1	1	0	1
Michigan	0	0	1	0	0
Ohio	1	0	0	0	0
Wisconsin	1	0	2	0	1
West North Central	**1**	**0**	**1**	**0**	**0**
Iowa	1	1	2	0	1
Kansas	2	1	4	0	1
Minnesota	1	1	3	0	1
Missouri	1	1	2	0	1
Nebraska	1	1	4	0	1
North Dakota	1	1	3	0	1
South Dakota	2	1	6	0	1
South Atlantic	**1**	**0**	**1**	**0**	**0**
Delaware	1	0	2	0	1
District of Columbia	0	0	0	0	0
Florida	1	0	3	0	1
Georgia	2	1	2	0	1
Maryland	0	0	1	0	0
North Carolina	1	0	2	0	1
South Carolina	2	1	1	0	1
Virginia	1	0	2	0	0
West Virginia	0	0	0	0	0
East South Central	**1**	**0**	**1**	**0**	**0**
Alabama	2	1	1	0	1
Kentucky	1	1	1	0	1
Mississippi	2	1	2	0	1
Tennessee	1	1	1	0	1
West South Central	**1**	**0**	**1**	**0**	**1**
Arkansas	2	1	2	0	1
Louisiana	2	1	1	0	1
Oklahoma	2	1	2	0	1
Texas	2	0	1	0	1
Mountain	**0**	**0**	**1**	**0**	**0**
Arizona	1	0	1	0	0
Colorado	1	1	2	0	1
Idaho	1	1	2	0	1
Montana	1	1	3	0	1
Nevada	1	0	1	0	0
New Mexico	2	1	2	0	1
Utah	2	1	1	0	1
Wyoming	1	1	2	0	1
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	1	0	0
Oregon	1	1	4	0	1
Washington	1	1	3	0	1
Pacific Noncontiguous	**1**	**1**	**2**	**0**	**1**
Alaska	2	1	6	0	1
Hawaii	1	0	0	0	0
U.S. Total	**0**	**0**	**0**	**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, January 2021

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**0**	**0**	**0**
Connecticut	0	0	0	0	0
Maine	1	0	1	0	0
Massachusetts	1	0	1	0	0
New Hampshire	0	0	0	0	0
Rhode Island	0	0	0	0	0
Vermont	2	1	1	0	1
Middle Atlantic	**0**	**0**	**0**	**0**	**0**
New Jersey	0	0	1	0	0
New York	0	0	0	0	0
Pennsylvania	0	0	0	0	0
East North Central	**0**	**0**	**0**	**0**	**0**
Illinois	1	0	0	0	0
Indiana	1	1	1	0	1
Michigan	0	0	1	0	0
Ohio	1	0	0	0	0
Wisconsin	1	0	1	0	0
West North Central	**1**	**0**	**1**	**0**	**0**
Iowa	2	1	1	0	1
Kansas	2	1	4	0	1
Minnesota	1	1	2	0	1
Missouri	2	1	1	0	1
Nebraska	2	1	2	0	1
North Dakota	2	1	1	0	1
South Dakota	2	1	3	0	1
South Atlantic	**0**	**0**	**1**	**0**	**0**
Delaware	2	1	2	0	1
District of Columbia	1	0	0	0	0
Florida	1	0	3	0	1
Georgia	1	1	2	0	1
Maryland	0	0	0	0	0
North Carolina	1	1	2	0	1
South Carolina	1	1	2	0	1
Virginia	1	0	3	0	0
West Virginia	0	0	0	0	0
East South Central	**1**	**0**	**1**	**0**	**0**
Alabama	1	1	1	0	1
Kentucky	2	1	1	0	1
Mississippi	2	1	3	0	1
Tennessee	1	1	1	0	1
West South Central	**2**	**1**	**1**	**0**	**1**
Arkansas	2	1	2	0	1
Louisiana	1	1	2	0	1
Oklahoma	2	1	3	0	1
Texas	2	1	1	0	1
Mountain	**1**	**0**	**1**	**0**	**0**
Arizona	1	0	1	0	0
Colorado	2	1	2	0	1
Idaho	1	1	1	0	1
Montana	2	1	2	0	1
Nevada	1	0	1	0	0
New Mexico	3	1	3	0	1
Utah	2	1	1	0	1
Wyoming	2	1	1	0	1
Pacific Contiguous	**0**	**0**	**0**	**0**	**0**
California	0	0	0	0	0
Oregon	1	1	2	0	1
Washington	1	0	2	0	1
Pacific Noncontiguous	**1**	**1**	**0**	**0**	**0**
Alaska	2	1	2	0	1
Hawaii	1	0	0	0	0
U.S. Total	**0**	**0**	**0**	**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 January 2021

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

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Table A.8.A. Relative Standard Error for Average Price of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, January 2021

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**1**	**0**	**0**
Connecticut	0	0	1	0	0
Maine	0	0	1	0	0
Massachusetts	1	0	1	0	0
New Hampshire	0	0	1	0	0
Rhode Island	0	0	0	0	0
Vermont	2	1	1	0	1
Middle Atlantic	**0**	**0**	**0**	**0**	**0**
New Jersey	0	0	1	0	0
New York	0	0	0	0	0
Pennsylvania	0	0	0	0	0
East North Central	**0**	**0**	**0**	**0**	**0**
Illinois	0	0	0	0	0
Indiana	1	0	1	0	0
Michigan	0	0	1	0	0
Ohio	0	0	0	0	0
Wisconsin	0	0	2	0	1
West North Central	**0**	**0**	**1**	**0**	**0**
Iowa	1	1	2	0	1
Kansas	1	1	2	0	1
Minnesota	1	0	2	0	1
Missouri	1	0	1	0	1
Nebraska	1	1	3	0	1
North Dakota	1	0	2	0	1
South Dakota	1	1	4	0	1
South Atlantic	**0**	**0**	**0**	**0**	**0**
Delaware	1	0	1	0	1
District of Columbia	1	0	0	0	0
Florida	0	0	1	0	0
Georgia	1	1	1	0	1
Maryland	0	0	1	0	0
North Carolina	1	1	1	0	0
South Carolina	1	1	1	0	1
Virginia	0	0	1	0	0
West Virginia	0	0	0	0	0
East South Central	**0**	**0**	**0**	**0**	**0**
Alabama	1	1	1	0	0
Kentucky	1	0	1	0	1
Mississippi	1	1	1	0	1
Tennessee	1	0	1	0	0
West South Central	**1**	**0**	**0**	**0**	**0**
Arkansas	1	1	1	0	1
Louisiana	1	1	1	0	0
Oklahoma	1	1	2	0	1
Texas	1	0	1	0	1
Mountain	**0**	**0**	**1**	**0**	**0**
Arizona	1	0	1	0	0
Colorado	1	1	2	0	1
Idaho	1	0	2	0	1
Montana	1	1	2	0	1
Nevada	1	0	1	0	0
New Mexico	2	1	2	0	1
Utah	1	1	1	0	1
Wyoming	1	1	1	0	1
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	1	0	0
Oregon	1	0	3	0	1
Washington	0	0	3	0	1
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**1**
Alaska	1	1	5	0	1
Hawaii	1	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 January 2021

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

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Table B.2 Major Disturbances and Unusual Occurrences, 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	01/09/2020 11:07 PM	01/09/2020 11:18 PM	0 Hours, 11 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	Unknown	Unknown
2020	1	01/09/2020 11:07 PM	01/09/2020 11:19 PM	0 Hours, 12 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	01/11/2020 2:25 AM	01/11/2020 7:56 AM	5 Hours, 31 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	01/11/2020 3:30 AM	01/11/2020 5:30 PM	14 Hours, 0 Minutes	Entergy Corp	SPP RE	Arkansas: Texas:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	68138
2020	1	01/11/2020 12:50 PM	01/12/2020 1:33 PM	24 Hours, 43 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	01/11/2020 1:20 PM	. .	. 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	Unknown
2020	1	01/11/2020 11:02 PM	01/12/2020 2:01 AM	2 Hours, 59 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	Unknown	66475
2020	1	01/17/2020 5:28 AM	01/17/2020 10:13 AM	4 Hours, 45 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	1	01/24/2020 4:34 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
2020	1	01/30/2020 3:01 AM	01/30/2020 4:36 AM	1 Hours, 35 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	2	02/06/2020 1:30 PM	02/07/2020 8:08 PM	30 Hours, 38 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	Unknown	89500
2020	2	02/06/2020 2:29 PM	02/07/2020 12:44 PM	22 Hours, 15 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	Unknown	284256
2020	2	02/07/2020 8:48 AM	. .	. 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	Unknown	87000
2020	2	02/07/2020 11:00 AM	. .	. 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	Unknown	52000
2020	2	02/07/2020 2:42 PM	02/10/2020 9:25 AM	66 Hours, 43 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	Unknown	7500
2020	2	02/07/2020 4:25 PM	02/08/2020 12:00 PM	19 Hours, 35 Minutes	ISO New England	NPCC	Connecticut: Maine: Massachusetts: New Hampshire: Rhode Island: Vermont:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	123359
2020	2	02/09/2020 9:30 AM	02/09/2020 9:40 PM	12 Hours, 10 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	02/11/2020 7:13 AM	02/11/2020 4:00 PM	8 Hours, 47 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	Unknown	0
2020	2	02/17/2020 4:00 AM	. .	. 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	3	03/01/2020 8:00 AM	. .	. Hours, . Minutes	Somerset Operating Company	NPCC	Western NY	Fuel supply emergencies that could impact electric power system adequacy or reliability.-Fuel Supply Deficiency	675	Unknown
2020	3	03/01/2020 11:27 AM	03/01/2020 9:47 PM	10 Hours, 20 Minutes	Entergy - Transmission Operations Engineering	SERC	Mississippi: Rankin 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	19	3136

Table B.2 Major Disturbances and Unusual Occurrences, 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	3	03/12/2020 1:03 AM	03/12/2020 3:00 AM	1 Hours, 57 Minutes	PECO Energy Co	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	40	15864
2020	3	03/16/2020 12:01 PM	03/16/2020 1:10 PM	1 Hours, 9 Minutes	Pacific Gas & Electric Co	WECC	California:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	165	110800
2020	3	03/18/2020 7:09 AM	. .	. Hours, . Minutes	Pacificorp	WECC	Utah:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Natural Disaster	237	73000
2020	3	03/24/2020 2:55 AM	03/24/2020 6:50 AM	3 Hours, 55 Minutes	ISO New England	NPCC	Connecticut: Massachusetts: Maine: New Hampshire: Rhode Island: Vermont:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	51026
2020	3	03/26/2020 9:29 PM	03/26/2020 9:47 PM	0 Hours, 18 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	19	11964
2020	3	03/29/2020 8:27 PM	03/29/2020 11:04 PM	2 Hours, 37 Minutes	Entergy - Transmission Operations Engineering	SERC	Mississippi: Panola 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	4	1558
2020	3	03/31/2020 11:45 AM	03/31/2020 8:00 PM	8 Hours, 15 Minutes	Southern Company	SERC	Alabama: Georgia:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	412	57744
2020	4	04/02/2020 1:37 PM	04/02/2020 2:43 PM	1 Hours, 6 Minutes	Nebraska Public Power District	MRO	Nebraska: York 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	5	Unknown
2020	4	04/05/2020 3:46 PM	04/05/2020 5:35 PM	1 Hours, 49 Minutes	Pacific Gas & Electric Co	WECC	California: Stanislaus 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	7	6814
2020	4	04/07/2020 11:39 PM	04/07/2020 11:46 PM	0 Hours, 7 Minutes	Bonneville Power Administration	WECC	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
2020	4	04/08/2020 1:21 AM	04/08/2020 3:56 AM	2 Hours, 35 Minutes	Ohio Edison Co	WECC	Ohio:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	82509
2020	4	04/08/2020 9:57 PM	04/09/2020 8:59 AM	11 Hours, 2 Minutes	Duke Energy Midwest	RF	Ohio: Kentucky:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	78314
2020	4	04/08/2020 10:03 PM	04/09/2020 7:36 AM	9 Hours, 33 Minutes	Duke Energy Midwest	RF	Indiana:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	93000
2020	4	04/09/2020 7:25 PM	04/10/2020 3:30 AM	8 Hours, 5 Minutes	CenterPoint Energy	TRE	Texas: Harris County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	95000
2020	4	04/09/2020 7:40 PM	04/11/2020 10:00 PM	50 Hours, 20 Minutes	ISO New England	NPCC	Maine:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	340000
2020	4	04/11/2020 11:24 AM	04/11/2020 11:42 AM	0 Hours, 18 Minutes	Pacificorp	WECC	Wyoming:	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
2020	4	04/12/2020 5:00 PM	04/14/2020 1:25 AM	32 Hours, 25 Minutes	Southern Company	SERC	Mississippi: Alabama: Georgia:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	448	62828
2020	4	04/12/2020 6:13 PM	04/13/2020 3:23 PM	21 Hours, 10 Minutes	American Electric Power - (SPP Reliability Region)	TRE	Texas:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	63289
2020	4	04/12/2020 8:30 PM	04/14/2020 9:00 AM	36 Hours, 30 Minutes	Arkansas Electric Coop Corp	SPP RE	Arkansas:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	51000
2020	4	04/12/2020 8:45 PM	. .	. Hours, . Minutes	Entergy Corp	SPP RE	Arkansas:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	95318
2020	4	04/12/2020 9:28 PM	04/15/2020 12:00 PM	62 Hours, 32 Minutes	American Electric Power - (RFC Reliability Region)	RF	Virginia: West Virginia:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	104000
2020	4	04/13/2020 12:45 AM	04/13/2020 3:00 AM	2 Hours, 15 Minutes	Tennessee Valley Authority	SERC	Tennessee: Hamilton County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	120000
2020	4	04/13/2020 3:30 AM	04/14/2020 6:18 PM	38 Hours, 48 Minutes	Duke Energy Carolinas	SERC	North Carolina: South Carolina:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	216400
2020	4	04/13/2020 7:31 AM	04/13/2020 2:00 PM	6 Hours, 29 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	Unknown	Unknown
2020	4	04/13/2020 8:08 AM	. .	. Hours, . 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	Unknown	72233

Table B.2 Major Disturbances and Unusual Occurrences, 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	4	04/13/2020 10:25 AM	04/13/2020 6:55 PM	8 Hours, 30 Minutes	Dominion Energy VA	SERC	North Carolina:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	95000
2020	4	04/13/2020 1:05 PM	04/14/2020 4:00 PM	26 Hours, 55 Minutes	ISO New England	NPCC	Connecticut: Maine: Massachusetts: New Hampshire: Rhode Island: Vermont:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	68476
2020	4	04/20/2020 12:59 AM	04/20/2020 8:40 AM	7 Hours, 41 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	552	77341
2020	4	04/23/2020 4:30 AM	04/23/2020 7:00 AM	2 Hours, 30 Minutes	Entergy Corp	SERC	Mississippi: Arkansas: Louisiana:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	55184
2020	4	04/23/2020 8:00 AM	04/23/2020 11:40 PM	15 Hours, 40 Minutes	Southern Company	SERC	Alabama: Georgia: Mississippi: Florida:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	375	52163
2020	4	04/24/2020 9:00 PM	04/24/2020 9:33 PM	0 Hours, 33 Minutes	Pacific Gas & Electric Co	WECC	California: Placer County, Nevada 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.-System Operations	5	945
2020	4	04/26/2020 1:38 AM	. .	. Hours, . Minutes	Florida Power & Light	FRCC	Florida:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	49999
2020	4	04/28/2020 8:01 PM	04/28/2020 11:21 PM	3 Hours, 20 Minutes	Entergy - Transmission Operations Engineering	TRE	Texas: Jefferson 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	14	1
2020	4	04/29/2020 5:55 AM	04/29/2020 7:00 PM	13 Hours, 5 Minutes	CenterPoint Energy Houston Electric, LLC	TRE	Texas: Harris County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	146660
2020	4	04/29/2020 6:00 AM	04/29/2020 12:31 PM	6 Hours, 31 Minutes	Entergy Corp	SERC	Louisiana:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	77933
2020	4	04/30/2020 3:00 PM	. .	. Hours, . Minutes	Exelon Corporation/PECO	RF	Pennsylvania: Bucks County, Chester County, Delaware County, Montgomery County, Philadelphia County, York County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	78007
2020	5	05/04/2020 11:59 AM	05/07/2020 8:00 PM	80 Hours, 1 Minutes	Tennessee Valley Authority	SERC	Tennessee: Davidson County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	500	130000
2020	5	05/13/2020 5:12 AM	05/13/2020 2:07 PM	8 Hours, 55 Minutes	Bonneville Power Administration	WECC	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
2020	5	05/15/2020 5:55 PM	05/17/2020 6:00 PM	48 Hours, 5 Minutes	Niagara Mohawk Power Corporation (dba National Grid)	NPCC	New York: Saratoga County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	52
2020	5	05/22/2020 4:35 PM	05/23/2020 3:29 PM	22 Hours, 54 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	Unknown	108190
2020	5	05/24/2020 4:45 PM	. .	. Hours, . Minutes	Oklahoma Gas & Electric Co	SPP RE	Central Oklahoma	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	54000
2020	5	05/25/2020 10:58 AM	05/25/2020 1:00 PM	2 Hours, 2 Minutes	LCRA Transmission Services Corporation	TRE	Texas: Kerr 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	3745
2020	5	05/27/2020 5:15 PM	05/29/2020 6:30 AM	37 Hours, 15 Minutes	CenterPoint Energy Houston Electric, LLC	TRE	Texas: Harris County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	382000
2020	5	05/27/2020 5:20 PM	. .	. Hours, . Minutes	CenterPoint Energy	TRE	Texas:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	273269
2020	5	05/29/2020 5:01 PM	05/29/2020 6:57 PM	1 Hours, 56 Minutes	FirstEnergy Corp	RF	Pennsylvania: Warren 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
2020	6	06/03/2020 12:30 PM	06/03/2020 6:00 PM	5 Hours, 30 Minutes	Exelon Corporation/PECO	RF	Pennsylvania: Bucks County, Chester County, Delaware County, Montgomery County, Philadelphia County, York County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	708000
2020	6	06/03/2020 1:00 PM	06/06/2020 4:30 PM	75 Hours, 30 Minutes	Public Service Electric & Gas	RF	New Jersey:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	80	87000
2020	6	06/03/2020 1:36 PM	06/03/2020 4:30 PM	2 Hours, 54 Minutes	Jersey Central Power & Lt Co	RF	New Jersey:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	78079
2020	6	06/09/2020 11:21 AM	06/09/2020 12:01 PM	0 Hours, 40 Minutes	Bonneville Power Administration	WECC	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

Table B.2 Major Disturbances and Unusual Occurrences, 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	6	06/10/2020 12:22 PM	06/10/2020 5:00 PM	4 Hours, 38 Minutes	Consumers Energy Co	RF	Michigan: Gratiot County, Lake County, Missaukee County, Benzie County, Leelanau County, Manistee County, Wexford County, Montcalm County, Kent County, Ottawa County, Van Buren County, St. Joseph County, Arenac County, Saginaw County, Calhoun County, Branch County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	270000
2020	6	06/10/2020 5:24 PM	06/11/2020 6:00 PM	24 Hours, 36 Minutes	American Electric Power - (RFC Reliability Region)	RF	Ohio: Indiana: Kentucky: West Virginia:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	85822
2020	6	06/10/2020 7:30 PM	. .	. Hours, . Minutes	Detroit Edison Co	RF	Michigan: Oakland County, Macomb County, Wayne County, Sanilac County, Tuscola County, Huron County, Lapeer County, Livingston County, Monroe County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	237000
2020	6	06/27/2020 4:00 PM	06/28/2020 2:27 AM	10 Hours, 27 Minutes	Southern Company	SERC	Alabama: Georgia:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	33480	78109
2020	6	06/29/2020 2:32 PM	06/29/2020 4:35 PM	2 Hours, 3 Minutes	Entergy - Transmission Operations Engineering	SPP RE	Arkansas: Garland 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
2020	7	07/01/2020 7:26 PM	07/01/2020 7:44 PM	0 Hours, 18 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	32	2013
2020	7	07/02/2020 8:30 PM	. .	. Hours, . Minutes	California Department of Water Resources	WECC	California: Butte County;	Fuel supply emergencies that could impact electric power system adequacy or reliability.-Fuel Supply Deficiency	0	0
2020	7	07/07/2020 11:38 AM	07/07/2020 6:24 PM	6 Hours, 46 Minutes	Los Angeles Department of Water & Power	WECC	California: Los Angeles 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
2020	7	07/07/2020 1:09 PM	07/08/2020 8:17 AM	19 Hours, 8 Minutes	Public Service Company of Colorado	WECC	Colorado:	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
2020	7	07/07/2020 7:17 PM	07/07/2020 11:49 PM	4 Hours, 32 Minutes	American Electric Power - (RFC Reliability Region)	RF	West Virginia: Wyoming 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	Unknown	Unknown
2020	7	07/08/2020 6:45 PM	. .	. Hours, . Minutes	California Department of Water Resources	WECC	California:	Fuel supply emergencies that could impact electric power system adequacy or reliability.-Fuel Supply Deficiency	0	0
2020	7	07/11/2020 4:55 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
2020	7	07/11/2020 9:30 PM	. .	. Hours, . 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	Unknown	94700
2020	7	07/11/2020 11:30 PM	07/12/2020 6:30 AM	7 Hours, 0 Minutes	Oklahoma Gas & Electric Co	SPP RE	Oklahoma: Arkansas:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	68000
2020	7	07/12/2020 4:30 AM	07/13/2020 5:00 AM	24 Hours, 30 Minutes	Oncor Electric Delivery Company LLC	TRE	Texas: Collin County, Dallas County, Denton County, Rockwall County, Tarrant County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	48000
2020	7	07/19/2020 10:30 AM	. .	. Hours, . Minutes	Somerset Operating Company	NPCC	New York: Niagara County	Fuel supply emergencies that could impact electric power system adequacy or reliability.-Fuel Supply Deficiency	675	
2020	7	07/19/2020 2:30 PM	07/21/2020 6:48 PM	52 Hours, 18 Minutes	Detroit Edison Co	RF	Michigan:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	158500
2020	7	07/22/2020 11:30 AM	07/22/2020 2:19 PM	2 Hours, 49 Minutes	FirstEnergy Corp	RF	West Virginia: Tucker 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
2020	7	07/25/2020 7:58 PM	07/27/2020 7:00 PM	47 Hours, 2 Minutes	American Electric Power - Texas	TRE	Texas: Nueces County, Kleberg County, Cameron County, Willacy County, Hidalgo County, Starr County, Kenedy County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	201208
2020	7	07/25/2020 9:00 PM	07/26/2020 4:00 PM	19 Hours, 0 Minutes	Magic Valley Electric Cooperative, Inc.	TRE	Texas: Hidalgo County, Cameron County, Starr County, Kenedy County, Willacy County, Brooks County, Jim Hogg County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	125	84000
2020	7	07/30/2020 5:54 PM	07/30/2020 8:18 PM	2 Hours, 24 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

Table B.2 Major Disturbances and Unusual Occurrences, 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	8	08/01/2020 11:14 AM	08/10/2020 9:26 PM	226 Hours, 12 Minutes	American Electric Power - Texas	TRE	Texas: Cameron County, Willacy County, Hidalgo County, Starr County;	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	Unknown	Unknown
2020	8	08/02/2020 7:43 PM	08/02/2020 10:27 PM	2 Hours, 44 Minutes	MidAmerican Energy Co	SERC	Illinois: Rock Island 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
2020	8	08/03/2020 11:15 PM	08/06/2020 7:00 AM	55 Hours, 45 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	Unknown	340000
2020	8	08/04/2020 4:41 AM	08/05/2020 4:26 PM	35 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	Unknown	508000
2020	8	08/04/2020 6:01 AM	08/06/2020 3:30 PM	57 Hours, 29 Minutes	North Carolina EI Member Corp	SERC	North Carolina: Brunswick County, Columbus County, Pender County, Duplin County, Onslow County, Jones County, Craven County, Jones County, Beaufort County, Bertie County, Chowan County, Gates County, Perquimans County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	311	125987
2020	8	08/04/2020 9:00 AM	08/05/2020 6:00 PM	33 Hours, 0 Minutes	Delmarva Power & Light Company	RF	Delaware:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	100000
2020	8	08/04/2020 10:30 AM	. .	. Hours, . Minutes	Atlantic City Electric Co	RF	New Jersey:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	70000
2020	8	08/04/2020 11:20 AM	08/07/2020 10:55 AM	71 Hours, 35 Minutes	Public Service Electric & Gas	RF	New Jersey:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	60	75000
2020	8	08/04/2020 12:00 PM	. .	. Hours, . Minutes	Exelon Corporation/PECO	RF	Pennsylvania: Bucks County, Chester County, Delaware County, Montgomery County, Philadelphia County, York County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	137103
2020	8	08/04/2020 12:00 PM	08/07/2020 6:00 AM	66 Hours, 0 Minutes	Orange and Rockland Utilities, Inc.	NPCC	New York: Rockland County, Orange County, Sullivan County; New Jersey: Bergen County, Passaic County, Sussex County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	160000
2020	8	08/04/2020 12:18 PM	08/08/2020 5:31 PM	101 Hours, 13 Minutes	Jersey Central Power & Lt Co	RF	New Jersey:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	788000
2020	8	08/04/2020 1:00 PM	08/04/2020 11:59 PM	10 Hours, 59 Minutes	Long Island Power Authority	NPCC	New York: Nassau County, Suffolk County, Queens County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	3907	420000
2020	8	08/04/2020 1:31 PM	. .	. Hours, . Minutes	Consolidated Edison of New York, Inc.	NPCC	New York: Bronx County, Richmond County, Queens County, Kings County, Westchester County, New York County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	271119
2020	8	08/04/2020 2:00 PM	08/08/2020 12:00 PM	94 Hours, 0 Minutes	Central Hudson Gas & Elec Corp	NPCC	New York: Dutchess County, Orange County, Ulster County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	116818
2020	8	08/04/2020 2:35 PM	. .	. Hours, . Minutes	Avangrid/NYSEG	NPCC	New York:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	76120
2020	8	08/04/2020 2:35 PM	08/10/2020 11:00 AM	140 Hours, 25 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	Unknown	76120
2020	8	08/04/2020 3:15 PM	08/07/2020 10:27 AM	67 Hours, 12 Minutes	ISO New England	NPCC	Connecticut: Massachusetts: New Hampshire: Maine: Rhode Island: Vermont:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	2000	1188247
2020	8	08/05/2020 5:58 PM	08/05/2020 8:53 PM	2 Hours, 55 Minutes	Entergy - Transmission Operations Engineering	TRE	Texas: Orange 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	89	19785
2020	8	08/07/2020 5:13 AM	. .	. Hours, . Minutes	Consolidated Edison of New York, Inc.	NPCC	New York: Queens County, New York County;	Uncontrolled loss of 300 Megawatts or more of firm system loads for 15 minutes or more from a single incident.-Severe Weather	500	187068
2020	8	08/10/2020 10:00 AM	. .	. Hours, . Minutes	MidAmerican Energy Co	MRO	Iowa: Dallas County, Polk County, Warren County, Madison County, Johnson County, Scott County; Illinois: Rock Island County, Henry County, Mercer County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	950	300000
2020	8	08/10/2020 11:00 AM	08/10/2020 4:00 PM	5 Hours, 0 Minutes	Central Iowa Power Cooperative	MRO	Iowa: Webster County, Greene County, Dallas County, Hamilton County, Boone County, Polk County, Hardin County, Story County, Jasper County, Grundy County, Marshall County, Tama County, Poweshiek County, Benton County, Iowa County, Linn County, Johnson County, Jones County, Cedar County, Muscatine County, Jackson County, Clinton County, Scott County;	Uncontrolled loss of 200 Megawatts or more of firm system loads for 15 minutes or more from a single incident for entities with previous year's peak demand less than or equal to 3,000 Megawatts.-Severe Weather	550	Unknown
2020	8	08/10/2020 12:38 PM	. .	. Hours, . Minutes	Alliant Energy	MRO	Iowa:	Uncontrolled loss of 300 Megawatts or more of firm system loads for 15 minutes or more from a single incident.-Severe Weather	1400	250000
2020	8	08/10/2020 2:30 PM	. .	. Hours, . Minutes	ComEd	SERC	Illinois: Cook County, Will County, DuPage County, Lake County, Kane County, Grundy County, LaSalle County, DeKalb County, McHenry County, Lee County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	856000
2020	8	08/10/2020 4:00 PM	08/13/2020 3:00 PM	71 Hours, 0 Minutes	Ameren Illinois Company	SERC	Illinois: Missouri:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	135000

Table B.2 Major Disturbances and Unusual Occurrences, 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	8	08/10/2020 10:39 PM	08/13/2020 3:48 PM	65 Hours, 9 Minutes	Northern Indiana Pub Serv Co	RF	Indiana:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	95300
2020	8	08/13/2020 1:51 PM	08/13/2020 4:27 PM	2 Hours, 36 Minutes	El Paso Electric	TRE	Texas: El Paso County;	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-System Operations	218	57060
2020	8	08/14/2020 4:39 PM	08/14/2020 5:42 PM	1 Hours, 3 Minutes	Entergy - Transmission Operations Engineering	SERC	Louisiana: St. Charles 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	101	12671
2020	8	08/14/2020 5:15 PM	08/15/2020 9:00 PM	27 Hours, 45 Minutes	California ISO	WECC	California:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	1120	Unknown
2020	8	08/14/2020 6:36 PM	08/14/2020 8:42 PM	2 Hours, 6 Minutes	Pacific Gas & Electric Co	WECC	California:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-System Operations	560	220000
2020	8	08/14/2020 6:45 PM	08/14/2020 9:12 PM	2 Hours, 27 Minutes	Southern California Edison Co	WECC	California: Kern County, Kings County, Los Angeles County, Orange County, Riverside County, San Bernardino County, Santa Barbara County, Tulare County, Ventura County;	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-System Operations	1419	132000
2020	8	08/14/2020 8:00 PM	08/16/2020 5:00 PM	45 Hours, 0 Minutes	Northern States Power Co	MRO	Minnesota: Anoka County, Hennepin County, Ramsey County, Washington County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	60000
2020	8	08/15/2020 2:53 PM	08/15/2020 8:00 PM	5 Hours, 7 Minutes	California ISO	WECC	California:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	795	Unknown
2020	8	08/15/2020 3:00 PM	08/15/2020 7:45 PM	4 Hours, 45 Minutes	Southern California Edison Co	WECC	California: Inyo County, Kern County, Los Angeles County, Orange County, Riverside County, San Bernardino County, Tulare County, Ventura County;	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-System Operations	200	70000
2020	8	08/15/2020 6:25 PM	08/15/2020 7:44 PM	1 Hours, 19 Minutes	Pacific Gas & Electric Co	WECC	California:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-System Operations	459	220000
2020	8	08/16/2020 3:44 AM	08/17/2020 2:18 PM	34 Hours, 34 Minutes	Pacific Gas & Electric Co	WECC	California:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	409	124266
2020	8	08/16/2020 5:30 PM	08/16/2020 7:10 PM	1 Hours, 40 Minutes	California ISO	WECC	California:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	712	Unknown
2020	8	08/16/2020 8:00 PM	08/18/2020 9:00 PM	49 Hours, 0 Minutes	Oncor Electric Delivery Company LLC	TRE	Texas: Collin County, Dallas County, Denton County, Tarrant County, Ellis County, Kaufman County, Johnson County, Anderson County, Angelina County, Grayson County, Smith County, Wichita County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	300000
2020	8	08/17/2020 8:21 AM	08/17/2020 9:01 AM	0 Hours, 40 Minutes	Pacific Gas & Electric Co	WECC	California: Yuba 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	2	2
2020	8	08/17/2020 3:05 PM	08/17/2020 9:24 PM	6 Hours, 19 Minutes	California ISO	WECC	California:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	829	Unknown
2020	8	08/18/2020 1:30 PM	08/18/2020 8:30 PM	7 Hours, 0 Minutes	California ISO	WECC	California:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	917	Unknown
2020	8	08/18/2020 2:00 PM	08/18/2020 9:00 PM	7 Hours, 0 Minutes	NV Energy	WECC	Nevada:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	7800	1400000
2020	8	08/18/2020 2:30 PM	. .	. Hours, . Minutes	Arizona Public Service Co	WECC	Arizona:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	0	Unknown
2020	8	08/18/2020 2:44 PM	08/18/2020 3:14 PM	0 Hours, 30 Minutes	Oncor Electric Delivery Company LLC	TRE	Texas: Culberson County, Reeves 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	205	238
2020	8	08/19/2020 1:27 AM	08/19/2020 3:03 AM	1 Hours, 36 Minutes	FirstEnergy Corp	RF	Ohio: Trumbull 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	22	16107
2020	8	08/19/2020 12:00 PM	08/19/2020 9:00 PM	9 Hours, 0 Minutes	City of Redding	WECC	California:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	Unknown	Unknown
2020	8	08/19/2020 2:00 PM	08/19/2020 9:00 PM	7 Hours, 0 Minutes	NV Energy	WECC	Nevada:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	7500	1400000
2020	8	08/19/2020 2:00 PM	08/19/2020 9:00 PM	7 Hours, 0 Minutes	Salt River Project	WECC	Arizona: Maricopa County;	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	1200	0

Table B.2 Major Disturbances and Unusual Occurrences, 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	8	08/20/2020 3:29 PM	08/20/2020 3:39 PM	0 Hours, 10 Minutes	Nebraska Public Power District	MRO	Nebraska: Custer 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	60	Unknown
2020	8	08/23/2020 10:30 AM	. .	. Hours, . Minutes	Southwestern Public Service	TRE	Texas panhandle, SE NM	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	Unknown	Unknown
2020	8	08/27/2020 1:15 AM	. .	. Hours, . Minutes	Entergy Corp	TRE	Texas: Louisiana:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	615992
2020	8	08/27/2020 3:14 AM	. .	. Hours, . Minutes	Cleco Power LLC	SERC	Louisiana: Calcasieu Parish, Beauregard Parish, Iberia Parish, Acadia Parish, Evangeline Parish, Rapides Parish, St. Landry Parish, Vernon Parish;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	Unknown
2020	8	08/27/2020 5:00 AM	09/03/2020 12:00 PM	175 Hours, 0 Minutes	Louisiana Generating LLC	SERC	Louisiana:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	200	50000
2020	8	08/27/2020 7:00 AM	08/30/2020 7:00 PM	84 Hours, 0 Minutes	City of Alexandria	SERC	Louisiana: Rapides Parish;	Complete operational failure or shut-down of the transmission and/or distribution of electrical system.-Severe Weather	48	Unknown
2020	8	08/27/2020 7:40 AM	08/31/2020 3:33 AM	91 Hours, 53 Minutes	American Electric Power - (SPP Reliability Region)	SERC	Louisiana: Texas:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	47927
2020	8	08/27/2020 7:40 AM	08/31/2020 7:40 AM	96 Hours, 0 Minutes	Southwest Power Pool, Inc.	SERC	Louisiana: Texas:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	130000
2020	8	08/27/2020 12:02 PM	08/27/2020 10:54 PM	10 Hours, 52 Minutes	MISO	TRE	Texas:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	573	Unknown
2020	8	08/27/2020 12:06 PM	. .	. Hours, . Minutes	Entergy Transmission Control Center - North	TRE	Texas:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	350	Unknown
2020	8	08/27/2020 12:06 PM	08/27/2020 10:49 PM	10 Hours, 43 Minutes	Entergy - Transmission Operations Engineering	TRE	Texas:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	581	Unknown
2020	8	08/27/2020 12:44 PM	08/27/2020 11:00 PM	10 Hours, 16 Minutes	Entergy Services, Inc.	TRE	Texas:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	Unknown	Unknown
2020	8	08/27/2020 1:24 PM	. .	. Hours, . Minutes	Entergy Transmission Control Center - South	TRE	Texas: Montgomery County, Liberty County;	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	208	Unknown
2020	8	08/27/2020 5:11 PM	08/28/2020 10:00 AM	16 Hours, 49 Minutes	ISO New England	NPCC	Connecticut: Massachusetts: New Hampshire: Maine: Rhode Island: Vermont:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	100	60687
2020	8	08/28/2020 4:27 PM	08/28/2020 7:26 PM	2 Hours, 59 Minutes	Bonneville Power Administration	WECC	Washington: Oregon:	Total generation loss, within one minute of: greater than or equal to 2,000 Megawatts in the Eastern or Western Interconnection or greater than or equal to 1,400 Megawatts in the ERCOT Interconnection.-Severe Weather	0	0
2020	9	09/03/2020 1:46 PM	09/03/2020 10:47 PM	9 Hours, 1 Minutes	Snohomish County PUD No 1	WECC	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	Unknown	Unknown
2020	9	09/05/2020 5:20 PM	09/05/2020 8:37 PM	3 Hours, 17 Minutes	California ISO	WECC	California:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	986	Unknown
2020	9	09/05/2020 5:25 PM	09/05/2020 8:55 PM	3 Hours, 30 Minutes	Imperial Irrigation District	WECC	California: Imperial County;	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	100	20000
2020	9	09/06/2020 4:00 PM	09/06/2020 9:00 PM	5 Hours, 0 Minutes	NV Energy	WECC	Nevada:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	8180	1400000
2020	9	09/06/2020 4:30 PM	09/06/2020 9:05 PM	4 Hours, 35 Minutes	California ISO	WECC	California:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-System Operations	1071	Unknown
2020	9	09/06/2020 5:00 PM	09/07/2020 3:00 AM	10 Hours, 0 Minutes	Los Angeles Department of Water & Power	WECC	California: Los Angeles County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	72000
2020	9	09/06/2020 5:36 PM	09/06/2020 7:27 PM	1 Hours, 51 Minutes	Bonneville Power Administration	WECC	Washington: Oregon: California:	Total generation loss, within one minute of: greater than or equal to 2,000 Megawatts in the Eastern or Western Interconnection or greater than or equal to 1,400 Megawatts in the ERCOT Interconnection.-System Operations	0	0
2020	9	09/07/2020 9:13 AM	09/08/2020 6:00 AM	20 Hours, 47 Minutes	Public Utility District No 1 of Okanogan County	WECC	Washington:	Complete operational failure or shut-down of the transmission and/or distribution of electrical system.-Natural Disaster	80	21000
2020	9	09/07/2020 6:00 PM	09/08/2020 6:00 PM	24 Hours, 0 Minutes	Puget Sound Energy	WECC	Washington: Kitsap County, King County, Pierce County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	71500
2020	9	09/07/2020 7:05 PM	09/08/2020 10:00 PM	26 Hours, 55 Minutes	Portland General Electric Co	WECC	Oregon: Multnomah County, Washington County, Clackamas County, Marion County, Yamhill County, Polk County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	2859	103000

Table B.2 Major Disturbances and Unusual Occurrences, 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	9	09/07/2020 10:40 PM	09/09/2020 5:24 PM	42 Hours, 44 Minutes	Pacific Gas & Electric Co	WECC	California:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Transmission Interruption	610	172000
2020	9	09/09/2020 11:22 AM	09/09/2020 1:04 PM	1 Hours, 42 Minutes	Idaho Power Company	WECC	Idaho:	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).-Natural Disaster	0	0
2020	9	09/15/2020 10:00 PM	09/20/2020 3:00 PM	113 Hours, 0 Minutes	Southern Company	SERC	Alabama: Florida: Georgia: Mississippi:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather/Transmission Interruption	236	34096
2020	9	09/16/2020 3:00 AM	09/21/2020 8:00 AM	125 Hours, 0 Minutes	PowerSouth Energy Cooperative	SERC	Alabama: Baldwin County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	0	77600
2020	9	09/22/2020 10:02 AM	09/22/2020 12:58 PM	2 Hours, 56 Minutes	Pacific Gas & Electric Co	WECC	California:	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	8	4350
2020	9	09/27/2020 6:27 PM	09/28/2020 3:17 PM	20 Hours, 50 Minutes	Pacific Gas & Electric Co	WECC	California:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Natural Disaster	337	102267
2020	9	09/30/2020 5:55 AM	09/30/2020 11:30 PM	17 Hours, 35 Minutes	ISO New England	NPCC	Connecticut: Maine: Rhode Island: Massachusetts: New Hampshire: Vermont:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	155000
2020	10	10/07/2020 1:45 PM	10/07/2020 1:59 PM	0 Hours, 14 Minutes	Entergy - Transmission Operations Engineering	SERC	Louisiana: Orleans 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	183	39089
2020	10	10/07/2020 4:00 PM	. .	. Hours, . Minutes	Niagara Mohawk Power Corporation (dba National Grid)	NPCC	New York: Onondaga County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	7500
2020	10	10/07/2020 6:50 PM	10/09/2020 3:00 PM	44 Hours, 10 Minutes	ISO New England	NPCC	Connecticut: Massachusetts: Maine: New Hampshire: Rhode Island: Vermont:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	186600
2020	10	10/09/2020 10:44 AM	10/09/2020 10:25 PM	11 Hours, 41 Minutes	Public Service Company of Colorado	WECC	Colorado:	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
2020	10	10/09/2020 5:30 PM	10/10/2020 6:00 PM	24 Hours, 30 Minutes	Entergy Corp	SERC	Louisiana: Texas: Arkansas: Mississippi:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	477966
2020	10	10/09/2020 7:50 PM	10/11/2020 3:09 PM	43 Hours, 19 Minutes	Cleco Power LLC	SERC	Louisiana: Acadia Parish, Beauregard Parish, Calcasieu Parish, Evangeline Parish, Iberia Parish, Rapides Parish, Vernon Parish, Avoyelles Parish, Grant Parish, Natchitoches Parish, St. Landry Parish, St. Mary Parish, St. Tammany Parish;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	132200
2020	10	10/09/2020 8:00 PM	10/10/2020 6:00 AM	10 Hours, 0 Minutes	Lafayette Public Power Auth	SERC	Louisiana: Lafayette Parish;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	50000
2020	10	10/09/2020 8:00 PM	10/15/2020 7:00 AM	131 Hours, 0 Minutes	Louisiana Generating LLC	SERC	Louisiana:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	200	50000
2020	10	10/10/2020 11:10 PM	10/10/2020 11:15 PM	0 Hours, 5 Minutes	Bonneville Power Administration	WECC	Washington: Oregon:	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
2020	10	10/12/2020 4:06 AM	10/12/2020 4:07 AM	0 Hours, 1 Minutes	Duke Energy Florida	FRCC	Florida: Polk 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
2020	10	10/13/2020 1:14 PM	10/14/2020 2:00 PM	24 Hours, 46 Minutes	Puget Sound Energy	WECC	Washington: Whatcom County, King County, Pierce County, Thurston County, Kittitas County, Kitsap County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	76000
2020	10	10/14/2020 6:26 PM	10/15/2020 1:11 PM	18 Hours, 45 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	18	Unknown
2020	10	10/20/2020 6:48 PM	10/20/2020 6:49 PM	0 Hours, 1 Minutes	GridLiance Holdco NCR11783	SERC	Illinois: Massac 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
2020	10	10/23/2020 3:42 PM	10/23/2020 11:11 PM	7 Hours, 29 Minutes	Duke Energy Midwest	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	Unknown	Unknown

Table B.2 Major Disturbances and Unusual Occurrences, 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	10	10/23/2020 3:46 PM	10/23/2020 11:03 PM	7 Hours, 17 Minutes	CenterPoint Energy	TRE	Texas: Harris County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	55506
2020	10	10/24/2020 8:13 PM	10/24/2020 10:52 PM	2 Hours, 39 Minutes	Northern States Power Co	MRO	Minnesota: Hennepin 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	1	4
2020	10	10/25/2020 2:32 PM	10/27/2020 6:00 PM	51 Hours, 28 Minutes	Pacific Gas & Electric Co	WECC	California:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	1218	370000
2020	10	10/26/2020 9:28 AM	10/26/2020 12:20 PM	2 Hours, 52 Minutes	Public Service Company of Colorado	WECC	Colorado:	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	13000
2020	10	10/26/2020 11:24 AM	10/27/2020 4:43 PM	29 Hours, 19 Minutes	Southern California Edison Co	WECC	California: Los Angeles County, Riverside County, San Bernardino County, Orange County, Kern County, Ventura County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	136833
2020	10	10/26/2020 1:00 PM	11/07/2020 7:00 PM	294 Hours, 0 Minutes	Oklahoma Gas & Electric Co	SPP RE	Oklahoma: Oklahoma County, Canadian County, Logan County, Cleveland County, Pottawatomie County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	447000
2020	10	10/27/2020 5:50 PM	. .	. Hours, . 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	Unknown	235000
2020	10	10/28/2020 10:28 AM	10/28/2020 10:29 AM	0 Hours, 1 Minutes	ERCOT	TRE	Texas:	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	Unknown	Unknown
2020	10	10/28/2020 11:53 AM	10/28/2020 3:26 PM	3 Hours, 33 Minutes	Southwestern Public Service	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	Unknown	Unknown
2020	10	10/28/2020 5:12 PM	10/29/2020 4:30 PM	23 Hours, 18 Minutes	Cleco Power LLC	SERC	Louisiana: St. Tammany Parish, St. Mary Parish;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	72707
2020	10	10/28/2020 6:00 PM	10/29/2020 1:15 AM	7 Hours, 15 Minutes	Entergy Corp	SERC	Louisiana:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	481268
2020	10	10/28/2020 9:37 PM	11/02/2020 7:30 PM	117 Hours, 53 Minutes	Southern Company	SERC	Alabama: Florida: Mississippi: Georgia:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	253	35478
2020	10	10/29/2020 2:00 AM	10/31/2020 9:00 AM	55 Hours, 0 Minutes	PowerSouth Energy Cooperative	SERC	Alabama: Baldwin County, Butler County, Clarke County, Conecuh County, Escambia County, Lee County, Lowndes County, Macon County, Montgomery County, Pike County, Russell County, Tallapoosa County, Talladega County, Washington County, Monroe County; Florida: Escambia County, Okaloosa County, Walton County, Santa Rosa County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	0	90000
2020	10	10/29/2020 8:15 AM	10/31/2020 6:45 PM	58 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	Unknown	461580
2020	11	11/01/2020 6:00 PM	11/01/2020 6:09 PM	0 Hours, 9 Minutes	Cleveland Electric Illum Co	RF	Ohio:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	85677
2020	11	11/07/2020 5:40 PM	11/07/2020 10:10 PM	4 Hours, 30 Minutes	Public Service Company of Colorado	WECC	Colorado:	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
2020	11	11/14/2020 7:40 AM	. .	. Hours, . Minutes	California Department of Water Resources	WECC	California: San Bernardino County;	Fuel supply emergencies that could impact electric power system adequacy or reliability.-Fuel Supply Deficiency	0	0
2020	11	11/15/2020 11:30 AM	11/16/2020 3:25 AM	15 Hours, 55 Minutes	American Electric Power - (RFC Reliability Region)	RF	Ohio: West Virginia: Virginia: Indiana:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	75000
2020	11	11/15/2020 12:30 PM	11/18/2020 9:44 AM	69 Hours, 14 Minutes	Detroit Edison Co	RF	Michigan: Huron County, Livingston County, Macomb County, Monroe County, Wayne County, Washtenaw County, Tuscola County, St. Clair County, Lapeer County, Oakland County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	150000
2020	11	11/15/2020 2:52 PM	11/16/2020 5:59 AM	15 Hours, 7 Minutes	Cleveland Electric Illum Co	RF	Ohio:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	96809
2020	11	11/15/2020 3:08 PM	11/15/2020 10:30 PM	7 Hours, 22 Minutes	Ohio Edison Co	RF	Ohio:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	123361
2020	11	11/15/2020 3:37 PM	11/17/2020 12:15 PM	44 Hours, 38 Minutes	Consumers Energy Co	RF	Michigan: Iosco County, Oscoda County, Ogemaw County, Livingston County, Ionia County, Barry County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	57327
2020	11	11/15/2020 11:05 PM	11/16/2020 5:00 AM	5 Hours, 55 Minutes	ISO New England	NPCC	Connecticut: Massachusetts: Maine: New Hampshire: Rhode Island: Vermont:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	62408

Table B.2 Major Disturbances and Unusual Occurrences, 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	11	11/30/2020 2:33 PM	11/30/2020 5:20 PM	2 Hours, 47 Minutes	El Paso Electric	TRE	Texas: El Paso 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
2020	11	11/30/2020 4:24 PM	12/01/2020 2:25 PM	22 Hours, 1 Minutes	ISO New England	NPCC	Massachusetts: Maine: Connecticut: Rhode Island: Vermont: New Hampshire:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	116000
2020	12	12/01/2020 12:32 PM	12/01/2020 10:50 PM	10 Hours, 18 Minutes	Cleveland Electric Illum Co	RF	Ohio:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	170190
2020	12	12/03/2020 12:44 AM	12/05/2020 11:03 AM	58 Hours, 19 Minutes	San Diego Gas & Electric Co	WECC	California: San Diego County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	93	73000
2020	12	12/03/2020 9:01 AM	12/03/2020 9:03 AM	0 Hours, 2 Minutes	Public Service Company of Colorado	WECC	Colorado:	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	89	0
2020	12	12/03/2020 10:57 AM	12/04/2020 3:02 PM	28 Hours, 5 Minutes	Southern California Edison Co	WECC	California: Kern County, Los Angeles County, Orange County, Riverside County, San Bernardino County, San Diego County, Tulare County, Ventura County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	132	51686
2020	12	12/05/2020 4:40 PM	. .	. Hours, . Minutes	ISO New England	NPCC	Connecticut: Massachusetts: Maine: New Hampshire: Rhode Island: Vermont:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	271231
2020	12	12/07/2020 6:10 PM	12/08/2020 9:09 PM	26 Hours, 59 Minutes	Southern California Edison Co	WECC	California: Kern County, Los Angeles County, Orange County, Riverside County, San Bernardino County, Ventura County, Tulare County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	286	76234
2020	12	12/13/2020 6:47 AM	12/13/2020 7:36 AM	0 Hours, 49 Minutes	Southern California Edison Co	WECC	California:	Uncontrolled loss of 200 Megawatts or more of firm system loads for 15 minutes or more from a single incident for entities with previous year's peak demand less than or equal to 3,000 Megawatts.-System Operations	298	159239
2020	12	12/16/2020 11:20 PM	12/17/2020 7:20 AM	8 Hours, 0 Minutes	American Electric Power - (SPP Reliability Region)	MRO	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).-Transmission Interruption	Unknown	Unknown
2020	12	12/17/2020 8:07 AM	12/17/2020 8:32 AM	0 Hours, 25 Minutes	Pacific Gas & Electric Co	WECC	California:	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	35	17000
2020	12	12/24/2020 11:40 PM	. .	. Hours, . Minutes	Exelon Corporation/PECO	RF	Pennsylvania: Bucks County, Chester County, Delaware County, Montgomery County, Philadelphia County, York County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather/Distribution Interruption	Unknown	68114
2020	12	12/25/2020 7:55 AM	12/25/2020 4:45 PM	8 Hours, 50 Minutes	ISO New England	NPCC	Connecticut: Maine: New Hampshire: Massachusetts: Rhode Island: Vermont:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	19000

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 Energy Production, Conversion & Delivery (EPCD), Energy Information Administration (EIA), U.S. Department of Energy. Quality statistics begin with the collection of the correct data. To assure this, ERUS performs routine reviews of the data collected and the forms on which it is collected. Additionally, to assure that the data are collected from the correct parties, ERUS routinely reviews the frames for each data collection.

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

Reliability of data

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

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

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

Relative Standard Error: The relative standard error (RSE) statistic, usually given as a percentage, describes the magnitude of sampling error that might reasonably be incurred. The RSE is the square

root of the estimated variance, divided by the variable of interest. The variable of interest may be the ratio of two variables, or a single variable.

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

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

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

Relative Standard Error With Respect to a Superpopulation: The RSESP statistic is similar to the RSE (described above). Like the RSE, it is a statistic designed to estimate the variability of data and is usually given as a percentage. However, where the RSE is only designed to estimate the magnitude of sampling error, the RSESP more fully reflects the impact of variability from sampling and non-sampling errors. This is a more complete measure than RSE in that it can measure statistical variability in a complete census in addition to a sample 21,24. In addition to being a measure of data variability, the RSESP can also be useful in comparing different models that are applied to the same set of data22. This capability is used to test different regression models for imputation and prediction. This testing may include considerations such as comparing different regressors, the comparative reliability of different monthly samples, or the use of different geographical strata or groupings for a given model. For testing purposes, ERUS typically uses recent historical data that have been finalized. Typically, time-series graphics showing two or more models or samples are generated showing the RSESP values over time. In selecting models, consideration is given to total survey error as well as any apparent differences in robustness.

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

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

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

Data revision procedure

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

- Annual survey data are disseminated either as preliminary or final when first appearing in a data product. Data initially released as preliminary will be so noted in the data product. These data are typically released as final by the next dissemination of the same product; however, if final data are available at an earlier interval they may be released in anotherproduct.
- 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 includedperiodically 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 DistributionsReport,"
- 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 November 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 January 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 combinedcycle)
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 bypipeline)
BT	Turbines Used in a Binary Cycle (including those used for geothermalapplications)
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, andbunker 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 wastesolids)
	WDL	Wood Waste Liquids (excluding Black Liquor but including red liquor, sludge wood, spent sulfite liquor, and otherwood-based liquids)
	BLQ	Black Liquor
Other Biomass	AB	Agricultural By-Products
	MSW	Municipal Solid Waste
	OBG	Other Biomass Gas (including digester gas, methane, andother 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 (see Table 1):

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 U.S. Environmental Protection Agency (USEPA). For data years 2001 through 2009, the MSW composition was based on the USEPA annual publication, *Municipal Solid Waste in the United States: Facts and Figures*. The compositions developed for the 2009 data year were carried forward for the 2010 through 2018 data years. The most updated composition and categorization of MSW (for the 2019 data year) were also derived from a USEPA publication: *Advancing Sustainable Materials Management: Facts and Figures Report: 2015 Data Tables*. The updated composition values were applied in the October EPM 2019 on the preliminary 2019 values and will be applied going forward in future data years until EIA revises the MSW composition ratios again. The Btu contents of the components of MSW were obtained from various sources.

The numbers in Tables 1 and 2 illustrate two interrelated trends in the composition of the MSW stream. First, the heat content (per unit weight) of the waste stream has been steadily increasing

over time due to higher concentrations of non-biogenic materials. Second, the shares of energy contributed to the waste stream by biogenic and non-biogenic components have been changing over time with the percentage of biogenic materials falling and the share of non-biogenic materials rising.

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 was attributed 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	…	2018	2019
Biogenic	57	56	55	55	56	57	55	54	51	51	51	45
Non-biogenic	43	44	45	45	44	43	46	46	49	49	49	55

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

	2001	2002	2003	2004	2005	2006	2007	2008	2009	…	2018	2019
Biogenic	77	77	76	76	75	67	65	65	64	64	64	61
Non-biogenic	23	23	24	24	25	34	35	35	36	36	36	39

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

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

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

electric power generation. UTO is calculated by multiplying the fuel for UTO by the efficiency factor.

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

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

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

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

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

Issues within historical data series:

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

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

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

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

Generation and consumption

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

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

Average Capacity Factors

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

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

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

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

NERC classification

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

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

The new NERC Regional Council names are as follows:

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

Business classification

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

Agriculture, Forestry, and Fishing

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

Mining

211 Oil and gas extraction
2121 Coal mining
2122 Metal mining
2123 Mining and quarrying of nonmetallic minerals except fuels

Construction

23

Manufacturing

311 Food and kindred products
3122 Tobacco products
314 Textile and mill products
315 Apparel and other finished products made from fabrics and similar materials
316 Leather and leather products
321 Lumber and wood products, except furniture
322 Paper and allied products (other than 322122 or 32213)
322122 Paper mills, except building paper
32213 Paperboard mills
323 Printing and publishing
324 Petroleum refining and related industries (other than 32411)
32411 Petroleum refining
325 Chemicals and allied products (other than 325188, 325211, 32512, or 325311)
32512 Industrial organic chemicals

325188 Industrial Inorganic Chemicals
325211 Plastics materials and resins
325311 Nitrogenous fertilizers
326 Rubber and miscellaneous plastic products
327 Stone, clay, glass, and concrete products (other than 32731)
32731 Cement, hydraulic
331 Primary metal industries (other than 331111 or 331312)
331111 Blast furnaces and steel mills
331312 Primary aluminum
332 Fabricated metal products, except machinery and transportation equipment
333 Industrial and commercial equipment and components except computer equipment
3345 Measuring, analyzing, and controlling instruments, photographic, medical, and optical goods, watches and clocks
335 Electronic and other electrical equipment and components except computer equipment
336 Transportation equipment
337 Furniture and fixtures
339 Miscellaneous manufacturing industries

Transportation and Public Utilities

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

Wholesale Trade

421 to 422

Retail Trade

441 to 454

Finance, Insurance, and Real Estate

521 to 533

Services

512 Motion pictures
514 Business services
514199 Miscellaneous services

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

Public Administration

92

Multiple Survey Programs- Small Scale PV Solar Estimation of Generation

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

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

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

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

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

x_{i2013} is the ith utility's 2013 (or the last published year) solar PV capacity

$y_{i2015,m}$ 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_{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 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, U.S. census region and U.S. 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

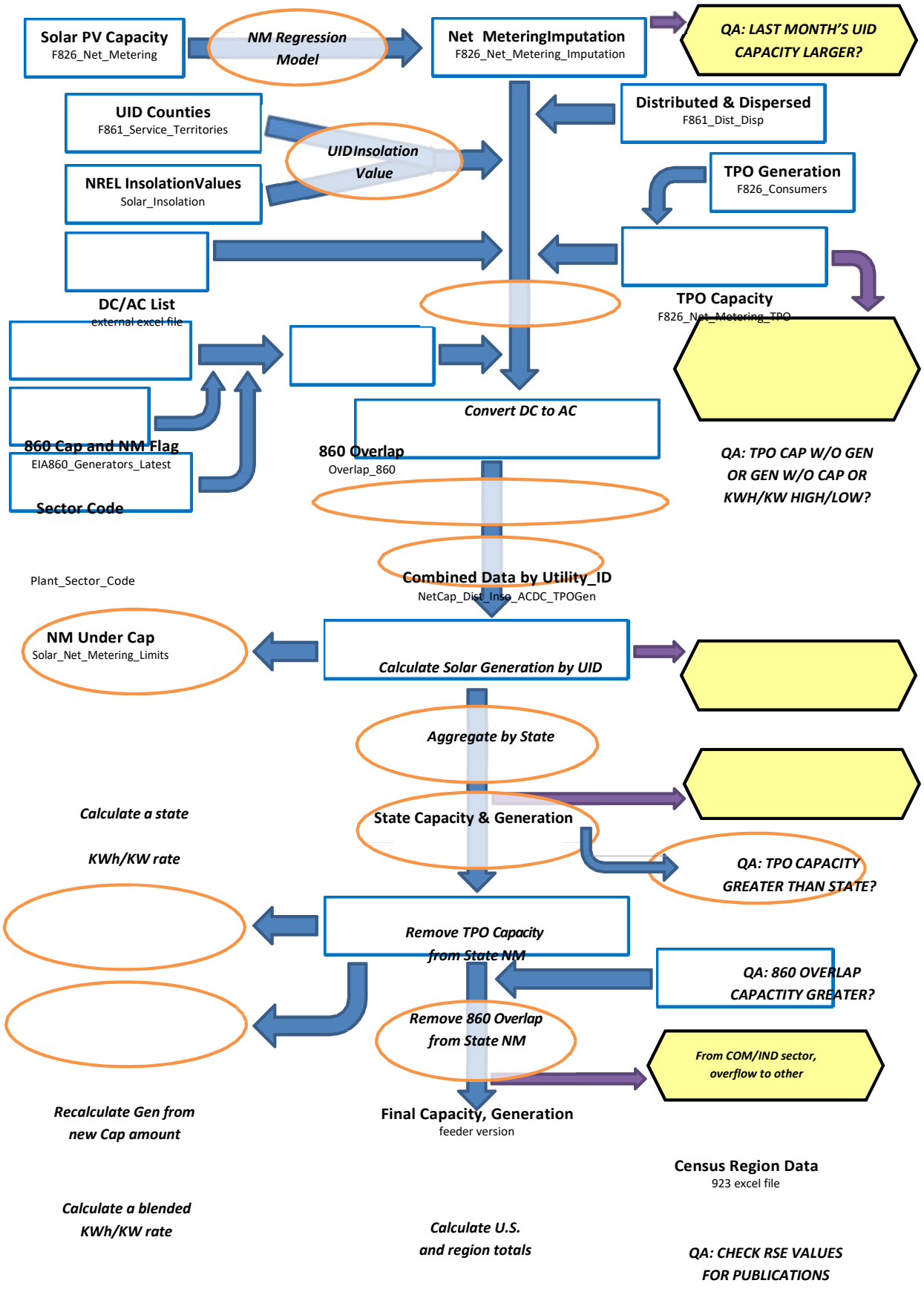
TMY3 (1991-2005) Weather Stations by MSA

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, PAMSA
97	USA OH Youngstown Regional Airport	Youngstown-Warren-Boardman, OH-PAMSA
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, October 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, January 2021

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	21.60	5.86	--	1.03
Connecticut	--	5.80	--	1.03
Maine	21.60	6.25	--	1.04
Massachusetts	--	5.79	--	1.03
New Hampshire	--	5.77	--	1.04
Rhode Island	--	--	--	1.03
Vermont	--	--	--	--
Middle Atlantic	20.93	6.28	--	1.04
New Jersey	25.75	5.53	--	1.04
New York	--	6.33	--	1.03
Pennsylvania	20.80	5.95	--	1.03
East North Central	20.40	5.80	27.04	1.05
Illinois	17.84	5.81	--	1.00
Indiana	22.40	5.77	--	1.06
Michigan	19.26	5.85	27.03	1.05
Ohio	24.92	5.79	--	1.06
Wisconsin	17.72	5.88	27.07	1.03
West North Central	16.54	5.78	--	1.06
Iowa	17.64	5.71	--	1.09
Kansas	17.24	5.75	--	1.02
Minnesota	17.96	5.80	--	1.10
Missouri	17.83	5.76	--	1.03
Nebraska	17.14	5.75	--	1.05
North Dakota	13.09	5.87	--	1.00
South Dakota	16.56	--	--	--
South Atlantic	24.10	5.88	27.46	1.03
Delaware	--	5.83	--	1.04
District of Columbia	--	--	--	--
Florida	23.63	5.87	27.46	1.03
Georgia	20.80	6.06	--	1.03
Maryland	24.85	5.82	--	1.05
North Carolina	25.03	5.81	--	1.03
South Carolina	24.79	6.04	--	1.03
Virginia	24.83	5.88	--	1.05
West Virginia	25.18	5.76	--	1.08
East South Central	20.34	5.80	--	1.03
Alabama	18.35	5.76	--	1.04
Kentucky	22.30	5.82	--	1.03
Mississippi	12.69	5.84	--	1.03
Tennessee	23.30	5.79	--	1.00
West South Central	15.99	5.87	28.97	1.02
Arkansas	17.46	5.89	--	1.03
Louisiana	17.32	--	28.97	1.03
Oklahoma	17.32	5.80	--	1.03
Texas	15.48	5.86	--	1.02
Mountain	18.57	5.76	--	1.04
Arizona	17.93	5.70	--	1.03
Colorado	18.80	5.73	--	1.08
Idaho	--	--	--	1.00
Montana	17.24	5.92	--	1.04
Nevada	17.83	5.70	--	1.04
New Mexico	18.64	5.66	--	1.04
Utah	21.87	5.87	--	1.04
Wyoming	17.60	5.80	--	1.05
Pacific Contiguous	18.61	--	--	1.04
California	22.75	--	--	1.03
Oregon	--	--	--	1.05
Washington	17.17	--	--	1.09
Pacific Noncontiguous	14.50	6.16	--	1.00
Alaska	14.50	5.60	--	1.00
Hawaii	--	6.16	--	--
U.S. Total	19.08	6.08	28.50	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, 2017 through 2019

	Mean Absolute Value of Percent Change Total (All Sectors)		
Item	**2017**	**2018**	**2019**
Net Generation			
Coal	0.17%	0.42%	0.12%
Petroleum Liquids	3.41%	2.56%	1.89%
Petroleum Coke	5.79%	5.97%	5.53%
Natural Gas	1.94%	1.10%	1.24%
Other Gases	11.64%	10.59%	7.56%
Hydroelectric	2.01%	2.37%	6.37%
Nuclear	0.00%	0.00%	0.00%
Other	1.33%	1.67%	1.33%
Total	**0.56%**	**0.29%**	**0.45%**
Consumption of Fossil Fuels for Electricity Generation			
Coal	0.13%	0.17%	0.16%
Petroleum Liquids	3.39%	5.23%	2.23%
Petroleum Coke	4.95%	10.63%	5.48%
Natural Gas	1.09%	0.79%	1.14%
Fuel Stocks for Electric Power Sector			
Coal	0.18%	0.35%	0.35%
Petroleum Liquids	2.10%	1.07%	0.32%
Petroleum Coke	14.42%	2.29%	1.78%
Retail Sales			
Residential	0.31%	0.34%	0.36%
Commercial	0.28%	0.37%	0.46%
Industrial	4.00%	5.02%	5.27%
Transportation	0.12%	0.95%	0.81%
Total	**1.12%**	**1.53%**	**1.65%**
Revenue			
Residential	0.26%	0.21%	0.18%
Commercial	0.28%	0.49%	0.57%
Industrial	3.52%	4.76%	5.02%
Transportation	0.21%	1.63%	1.45%
Total	**0.57%**	**1.04%**	**1.12%**
Average Retail Price			
Residential	0.21%	0.16%	0.18%
Commercial	0.20%	0.16%	0.13%
Industrial	0.51%	0.38%	0.30%
Transportation	0.20%	0.80%	0.64%
Total	**0.53%**	**0.48%**	**0.52%**
Receipt of Fossil Fuels			
Coal	1.30%	0.33%	0.93%
Petroleum Liquids	3.18%	11.02%	2.66%
Petroleum Coke	0.00%	0.00%	0.00%
Natural Gas	19.49%	8.23%	8.25%
Cost of Fossil Fuels			
Coal	0.83%	0.24%	0.13%
Petroleum Liquids	0.34%	1.04%	0.29%
Petroleum Coke	0.00%	0.00%	0.00%
Natural Gas	0.47%	0.54%	0.20%

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, 2017 through 2019

	2017			2018			2019		
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	1,207,901	1,205,835	-0.17%	1,146,393	1,149,487	0.27%	966,148	964,957	-0.12%
Petroleum Liquids	12,583	12,414	-1.34%	15,742	16,245	3.19%	11,576	11,522	-0.47%
Petroleum Coke	8,508	8,976	5.50%	8,830	8,981	1.71%	6,991	6,819	-2.46%
Natural Gas	1,272,864	1,296,442	1.85%	1,468,013	1,469,133	0.08%	1,581,815	1,585,814	0.25%
Other Gases	14,159	12,469	-11.94%	12,191	13,463	10.43%	13,634	12,591	-7.65%
Hydroelectric	293,550	293,838	0.10%	285,819	286,619	0.28%	268,447	282,613	5.28%
Nuclear	804,950	804,950	0.00%	807,078	807,084	0.00%	809,409	809,409	0.00%
Other	400,289	399,346	-0.24%	433,744	427,265	-1.49%	460,030	454,130	-1.28%
Total	**4,014,804**	**4,034,271**	**0.48%**	**4,177,810**	**4,178,277**	**0.01%**	**4,118,051**	**4,127,855**	**0.24%**
Consumption of Fossil Fuels for Electricity Generation									
Coal (1,000 tons)	663,479	663,911	0.07%	635,833	636,213	0.06%	538,465	537,620	-0.16%
Petroleum Liquids (1,000 barrels)	21,935	21,696	-1.09%	27,245	28,614	5.02%	20,430	20,836	1.99%
Petroleum Coke (1,000 tons)	3,349	3,490	4.21%	3,311	3,623	9.40%	2,806	2,724	-2.94%
Natural Gas (1,000 Mcf)	9,440,777	9,508,062	0.71%	10,855,155	10,833,043	-0.20%	11,550,825	11,601,600	0.44%
Fuel Stocks for Electric Power Sector									
Coal (1,000 tons)	137,155	137,687	0.39%	102,786	102,793	0.01%	128,497	128,176	-0.25%
Petroleum Liquids (1,000 barrels)	28,723	28,089	-2.21%	25,082	25,977	3.57%	25,976	25,960	-0.06%
Petroleum Coke (1,000 tons)	1,113	864	-22.42%	541	539	-0.27%	443	471	6.35%
Retail Sales (Million kWh)									
Residential	1,378,819	1,378,648	-0.01%	1,464,373	1,469,093	0.32%	1,435,147	1,440,289	0.36%
Commercial	1,349,208	1,352,888	0.27%	1,376,741	1,381,755	0.36%	1,354,545	1,360,877	0.47%
Industrial	946,443	984,298	4.00%	953,076	1,000,673	4.99%	952,149	1,002,353	5.27%
Transportation	7,524	7,523	-0.02%	7,738	7,665	-0.94%	7,697	7,632	-0.84%
Total	**3,681,995**	**3,723,356**	**1.12%**	**3,801,928**	**3,859,185**	**1.51%**	**3,749,538**	**3,811,150**	**1.64%**
Revenue (Million Dollars)									
Residential	177,860	177,661	-0.11%	188,742	189,033	0.15%	187,102	187,436	0.18%
Commercial	144,108	144,242	0.09%	146,696	147,425	0.50%	144,452	145,280	0.57%
Industrial	65,394	67,691	3.51%	66,090	69,218	4.73%	65,033	68,285	5.00%
Transportation	727	728	0.15%	756	744	-1.65%	749	737	-1.54%
Total	**388,089**	**390,322**	**0.58%**	**402,283**	**406,420**	**1.03%**	**397,337**	**401,738**	**1.11%**
Average Retail Price (Cents/kWh)									
Residential	12.90	12.89	-0.10%	12.89	12.87	-0.17%	13.04	13.01	-0.18%
Commercial	10.68	10.66	-0.18%	10.66	10.67	0.13%	10.66	10.68	0.10%
Industrial	6.91	6.88	-0.47%	6.93	6.92	-0.25%	6.83	6.81	-0.26%
Transportation	9.67	9.68	0.17%	9.77	9.70	-0.71%	9.73	9.66	-0.70%
Total	**10.54**	**10.48**	**-0.54%**	**10.58**	**10.53**	**-0.47%**	**10.60**	**10.54**	**-0.53%**
Receipt of Fossil Fuels									
Coal (1,000 tons)	634,118	642,364	1.30%	594,683	596,215	0.26%	555,022	560,153	0.92%
Petroleum Liquids (1,000 barrels)	15,619	16,127	3.25%	19,717	22,290	13.05%	14,319	14,711	2.74%
Petroleum Coke (1,000 tons)	3,309	3,309	0.00%	3,010	3,010	0.00%	1,969	1,969	0.00%
Natural Gas (1,000 Mcf)	8,050,520	9,628,733	19.60%	10,039,232	10,885,764	8.43%	10,786,472	11,693,486	8.41%
Cost of Fossil Fuels (Dollars per Million Btu)									
Coal (1,000 tons)	2.08	2.06	-0.87%	2.06	2.06	-0.22%	2.02	2.02	-0.21%
Petroleum Liquids (1,000 barrels)	11.82	11.86	0.36%	14.24	14.40	1.16%	13.58	13.62	0.29%
Petroleum Coke (1,000 tons)	2.13	2.13	0.00%	2.54	2.54	0.00%	1.91	1.91	0.00%
Natural Gas (1,000 Mcf)	3.39	3.37	-0.55%	3.55	3.55	0.03%	2.89	2.88	-0.17%

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 2019 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.