Independent Statistics & Analysis
U.S. Energy Information Administration

Electric Power Monthly

with Data for January 2022

March 2022

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

Data sources

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

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Executive Summary

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Net Generation and Consumption of Fuels for January														
		Total (All Sectors)			Electric Power Sector				Commercial		Industrial		Residential	
					Electric Utilities		Independent Power Producers							
Fuel	Facility Type	January 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
Net Generation (Thousand Megawatthours)														
Coal	Utility Scale Facilities	87,506	81,483	7.4%	64,025	60,166	22,961	20,846	31	27	488	444	0	0
Petroleum Liquids	Utility Scale Facilities	3,254	888	266.2%	1,420	688	1,765	161	NM	10	46	30	0	0
Petroleum Coke	Utility Scale Facilities	531	714	-25.6%	388	538	108	130	1	0	34	46	0	0
Natural Gas	Utility Scale Facilities	136,317	125,960	8.2%	67,015	61,256	59,901	55,341	707	680	8,694	8,683	0	0
Other Gas	Utility Scale Facilities	971	1,077	-9.8%	0	-1	271	334	0	0	700	745	0	0
Nuclear	Utility Scale Facilities	70,577	71,732	-1.6%	39,295	39,472	31,282	32,261	0	0	0	0	0	0
Hydroelectric Conventional	Utility Scale Facilities	27,017	25,814	4.7%	25,285	24,019	1,620	1,679	28	27	84	89	0	0
Renewable Sources Excluding Hydroelectric	Utility Scale Facilities	52,270	42,446	23.1%	8,844	6,370	40,953	33,448	314	282	2,159	2,346	0	0
... Wind	Utility Scale Facilities	38,194	30,452	25.4%	7,335	5,213	30,828	25,132	18	14	NM	93	0	0
... Solar Thermal and Photovoltaic	Utility Scale Facilities	8,004	5,726	39.8%	1,072	768	6,878	4,915	41	35	13	7	0	0
... Wood and Wood-Derived Fuels	Utility Scale Facilities	3,084	3,273	-5.8%	257	200	751	890	15	10	2,061	2,172	0	0
... Other Biomass	Utility Scale Facilities	1,489	1,624	-8.3%	93	109	1,140	1,263	183	179	73	73	0	0
... Geothermal	Utility Scale Facilities	1,500	1,372	9.3%	87	81	1,356	1,247	57	44	0	0	0	0
Hydroelectric Pumped Storage	Utility Scale Facilities	-493	-424	16.3%	-431	-340	-62	-85	0	0	0	0	0	0
Other Energy Sources	Utility Scale Facilities	1,017	1,105	-7.9%	35	42	529	603	100	93	354	367	0	0
All Energy Sources	Utility Scale Facilities	378,967	350,796	8.0%	205,875	192,210	159,328	144,718	1,203	1,118	12,560	12,750	0	0
Estimated Small Scale Solar Photovoltaic	Small Scale Facilities	3,301	2,743	20.4%	0	0	0	0	985	859	232	215	2,085	1,668
Estimated Total Solar Photovoltaic	All Facilities	11,172	8,388	33.2%	1,063	767	6,754	4,836	1,026	894	244	222	2,085	1,668
Estimated Total Solar	All Facilities	11,305	8,468	33.5%	1,072	768	6,878	4,915	1,026	894	244	222	2,085	1,668
Consumption of Fossil Fuels for Electricity Generation														
Coal (1000 tons)	Utility Scale Facilities	48,494	45,254	7.2%	35,584	33,196	12,730	11,900	8	8	172	150	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	5,452	1,631	234.4%	2,641	1,282	2,724	297	NM	23	46	29	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	217	275	-21.0%	166	211	41	52	0	0	10	12	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	1,002,159	899,001	11.5%	512,316	451,875	433,272	387,982	4,339	4,308	52,232	54,836	0	0
Consumption of Fossil Fuels for Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	1,083	997	8.6%	212	179	87	65	39	43	745	710	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	392	177	122.0%	29	3	62	25	NM	36	194	113	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	64	77	-16.6%	2	1	16	17	2	0	45	59	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	112,454	108,909	3.3%	4,211	4,219	29,227	28,259	7,576	7,313	71,440	69,118	0	0
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	49,577	46,251	7.2%	35,796	33,375	12,817	11,965	47	51	917	860	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	5,844	1,807	223.4%	2,670	1,285	2,786	321	NM	59	240	142	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	282	352	-20.0%	168	212	56	69	2	0	55	71	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	1,114,613	1,007,910	10.6%	516,527	456,095	462,499	416,241	11,915	11,621	123,672	123,953	0	0
Fuel Stocks (end-of-month)														
Coal (1000 tons)	Utility Scale Facilities	87,786	126,259	-30.5%	70,548	101,907	16,802	23,632	45	95	391	625	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	22,979	27,658	-16.9%	13,163	15,718	8,307	10,025	419	410	1,090	1,505	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	528	285	85.4%	324	250	12	3	2	3	190	29	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 2022	January 2021	Percentage Change	January 2022	January 2021	Percentage Change	January 2022	January 2021	Percentage Change
Residential	140,594	137,127	2.5%	19,296	17,408	10.8%	13.72	12.69	8.1%
Commercial	112,248	104,135	7.8%	12,754	10,738	18.8%	11.36	10.31	10.2%
Industrial	83,286	79,104	5.3%	6,076	5,056	20.2%	7.30	6.39	14.2%
Transportation	564	569	-0.7%	61	55	12.4%	10.88	9.61	13.2%
All Sectors	336,692	320,936	4.9%	38,188	33,256	14.8%	11.34	10.36	9.5%

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

Table ES1.B. Total Electric Power Industry Summary Statistics, Year-to-Date 2022 and 2021

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 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
Net Generation (Thousand Megawatthours)														
Coal	Utility Scale Facilities	87,506	81,483	7.4%	64,025	60,166	22,961	20,846	31	27	488	444	0	0
Petroleum Liquids	Utility Scale Facilities	3,254	888	266.2%	1,420	688	1,765	161	NM	10	46	30	0	0
Petroleum Coke	Utility Scale Facilities	531	714	-25.6%	388	538	108	130	1	0	34	46	0	0
Natural Gas	Utility Scale Facilities	136,317	125,960	8.2%	67,015	61,256	59,901	55,341	707	680	8,694	8,683	0	0
Other Gas	Utility Scale Facilities	971	1,077	-9.8%	0	-1	271	334	0	0	700	745	0	0
Nuclear	Utility Scale Facilities	70,577	71,732	-1.6%	39,295	39,472	31,282	32,261	0	0	0	0	0	0
Hydroelectric Conventional	Utility Scale Facilities	27,017	25,814	4.7%	25,285	24,019	1,620	1,679	28	27	84	89	0	0
Renewable Sources Excluding Hydroelectric	Utility Scale Facilities	52,270	42,446	23.1%	8,844	6,370	40,953	33,448	314	282	2,159	2,346	0	0
... Wind	Utility Scale Facilities	38,194	30,452	25.4%	7,335	5,213	30,828	25,132	18	14	NM	93	0	0
... Solar Thermal and Photovoltaic	Utility Scale Facilities	8,004	5,726	39.8%	1,072	768	6,878	4,915	41	35	13	7	0	0
... Wood and Wood-Derived Fuels	Utility Scale Facilities	3,084	3,273	-5.8%	257	200	751	890	15	10	2,061	2,172	0	0
... Other Biomass	Utility Scale Facilities	1,489	1,624	-8.3%	93	109	1,140	1,263	183	179	73	73	0	0
... Geothermal	Utility Scale Facilities	1,500	1,372	9.3%	87	81	1,356	1,247	57	44	0	0	0	0
Hydroelectric Pumped Storage	Utility Scale Facilities	-493	-424	16.3%	-431	-340	-62	-85	0	0	0	0	0	0
Other Energy Sources	Utility Scale Facilities	1,017	1,105	-7.9%	35	42	529	603	100	93	354	367	0	0
All Energy Sources	Utility Scale Facilities	378,967	350,796	8.0%	205,875	192,210	159,328	144,718	1,203	1,118	12,560	12,750	0	0
Estimated Small Scale Solar Photovoltaic	Small Scale Facilities	3,301	2,743	20.4%	0	0	0	0	985	859	232	215	2,085	1,668
Estimated Total Solar Photovoltaic	All Facilities	11,172	8,388	33.2%	1,063	767	6,754	4,836	1,026	894	244	222	2,085	1,668
Estimated Total Solar	All Facilities	11,305	8,468	33.5%	1,072	768	6,878	4,915	1,026	894	244	222	2,085	1,668
Consumption of Fossil Fuels for Electricity Generation														
Coal (1000 tons)	Utility Scale Facilities	48,494	45,254	7.2%	35,584	33,196	12,730	11,900	8	8	172	150	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	5,452	1,631	234.4%	2,641	1,282	2,724	297	NM	23	46	29	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	217	275	-21.0%	166	211	41	52	0	0	10	12	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	1,002,159	899,001	11.5%	512,316	451,875	433,272	387,982	4,339	4,308	52,232	54,836	0	0
Consumption of Fossil Fuels for Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	1,083	997	8.6%	212	179	87	65	39	43	745	710	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	392	177	122.0%	29	3	62	25	NM	36	194	113	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	64	77	-16.6%	2	1	16	17	2	0	45	59	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	112,454	108,909	3.3%	4,211	4,219	29,227	28,259	7,576	7,313	71,440	69,118	0	0
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	49,577	46,251	7.2%	35,796	33,375	12,817	11,965	47	51	917	860	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	5,844	1,807	223.4%	2,670	1,285	2,786	321	NM	59	240	142	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	282	352	-20.0%	168	212	56	69	2	0	55	71	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	1,114,613	1,007,910	10.6%	516,527	456,095	462,499	416,241	11,915	11,621	123,672	123,953	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 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	Percentage Change
Residential	140,594	137,127	2.5%	19,296	17,408	10.8%	13.72	12.69	8.1%
Commercial	112,248	104,135	7.8%	12,754	10,738	18.8%	11.36	10.31	10.2%
Industrial	83,286	79,104	5.3%	6,076	5,056	20.2%	7.30	6.39	14.2%
Transportation	564	569	-0.7%	61	55	12.4%	10.88	9.61	13.2%
All Sectors	336,692	320,936	4.9%	38,188	33,256	14.8%	11.34	10.36	9.5%

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, 2022 and 2021

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 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
Coal (1000 tons)	39,503	37,454	41.40	36.38	213	208	39,503	37,454	41.40	36.38
Petroleum Liquids (1000 barrels)	2,193	1,203	105.31	66.47	149	111	2,193	1,203	105.31	66.47
Petroleum Coke (1000 tons)	189	190	122.16	73.95	6	5	189	190	122.16	73.95
Natural Gas (1000 Mcf)	926,905	860,959	6.04	3.30	579	566	926,905	860,959	6.04	3.30

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
Coal (1000 tons)	28,828	27,203	42.26	37.88	151	148	28,828	27,203	42.26	37.88
Petroleum Liquids (1000 barrels)	1,011	931	102.47	66.52	99	70	1,011	931	102.47	66.52
Petroleum Coke (1000 tons)	189	190	122.16	73.95	6	5	189	190	122.16	73.95
Natural Gas (1000 Mcf)	448,875	415,825	5.94	3.54	302	302	448,875	415,825	5.94	3.54

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 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
Coal (1000 tons)	10,079	9,721	38.23	31.43	49	47	10,079	9,721	38.23	31.43
Petroleum Liquids (1000 barrels)	1,137	235	109.14	65.84	41	31	1,137	235	109.14	65.84
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	--	--
Natural Gas (1000 Mcf)	405,099	375,508	6.43	3.06	231	219	405,099	375,508	6.43	3.06

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
Coal (1000 tons)	3	1	90.18	68.67	1	1	3	1	90.18	68.67
Petroleum Liquids (1000 barrels)	0	0	--	--	0	0	0	0	--	--
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	--	--
Natural Gas (1000 Mcf)	731	729	3.42	3.24	3	3	731	729	3.42	3.24

Industrial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
Coal (1000 tons)	593	529	53.22	49.69	12	12	593	529	53.22	49.69
Petroleum Liquids (1000 barrels)	45	37	88.15	69.01	9	10	45	37	88.15	69.01
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	--	--
Natural Gas (1000 Mcf)	72,201	68,897	4.86	2.92	43	42	72,201	68,897	4.86	2.92

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, 2022 and 2021

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 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
Coal	740,486	714,629	2.21	1.91	213	208	740,486	714,629	2.21	1.91
Petroleum Liquids	13,121	7,316	17.55	10.92	149	111	13,121	7,316	17.55	10.92
Petroleum Coke	5,343	5,427	4.32	2.59	6	5	5,343	5,427	4.32	2.59
Natural Gas	957,434	890,087	5.85	3.19	579	566	957,434	890,087	5.85	3.19
Fossil Fuels	1,716,383	1,617,459	4.29	2.63	711	691	1,716,383	1,617,459	4.29	2.63

Electric Utilities										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
Coal	542,299	521,272	2.25	1.98	151	148	542,299	521,272	2.25	1.98
Petroleum Liquids	6,064	5,708	17.08	10.84	99	70	6,064	5,708	17.08	10.84
Petroleum Coke	5,343	5,427	4.32	2.59	6	5	5,343	5,427	4.32	2.59
Natural Gas	463,200	429,643	5.76	3.42	302	302	463,200	429,643	5.76	3.42
Fossil Fuels	1,016,906	962,050	3.94	2.68	392	387	1,016,906	962,050	3.94	2.68

Independent Power Producers										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
Coal	185,869	182,276	2.07	1.67	49	47	185,869	182,276	2.07	1.67
Petroleum Liquids	6,777	1,382	18.21	11.20	41	31	6,777	1,382	18.21	11.20
Petroleum Coke	0	0	--	--	0	0	0	0	--	--
Natural Gas	419,162	388,713	6.21	2.95	231	219	419,162	388,713	6.21	2.95
Fossil Fuels	611,808	572,370	4.93	2.52	271	257	611,808	572,370	4.93	2.52

Commercial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
Coal	74	28	3.95	2.96	1	1	74	28	3.95	2.96
Petroleum Liquids	0	0	--	--	0	0	0	0	--	--
Petroleum Coke	0	0	--	--	0	0	0	0	--	--
Natural Gas	759	759	3.29	3.12	3	3	759	759	3.29	3.12
Fossil Fuels	833	787	3.35	3.11	3	3	833	787	3.35	3.11

Industrial Sector										
							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
Coal	12,244	11,054	2.58	2.38	12	12	12,244	11,054	2.58	2.38
Petroleum Liquids	280	226	14.31	11.25	9	10	280	226	14.31	11.25
Petroleum Coke	0	0	--	--	0	0	0	0	--	--
Natural Gas	74,313	70,973	4.72	2.83	43	42	74,313	70,973	4.72	2.83
Fossil Fuels	86,837	82,252	4.45	2.79	45	44	86,837	82,252	4.45	2.79

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), 2012-January 2022
(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															
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	13,393	4,093,538	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	13,955	4,077,528	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	13,689	4,076,610	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	13,008	4,034,183	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	773,393	9,662	7,679	1,624,167	11,818	789,879	285,274	89,199	408,531	-5,321	12,855	4,007,135	41,522	127,588	130,721
2021	898,679	11,315	7,467	1,575,230	11,283	778,152	260,225	114,678	451,484	-5,112	12,140	4,115,540	49,025	160,779	163,703
Year 2020															
January	65,140	915	633	135,916	1,155	74,170	24,498	4,459	34,248	-377	1,093	341,850	2,313	6,665	6,771
February	56,201	749	540	127,871	1,152	65,911	25,868	5,561	34,972	-247	971	319,550	2,623	8,006	8,184
March	50,731	691	704	125,905	1,047	63,997	23,823	6,350	35,601	-353	1,092	309,587	3,424	9,581	9,774
April	40,675	626	614	110,301	802	59,170	23,194	7,921	35,533	-325	1,073	279,583	3,816	11,431	11,736
May	46,527	691	610	116,943	884	64,338	29,976	9,653	34,247	-367	1,090	304,593	4,267	13,508	13,921
June	65,283	818	801	142,833	867	67,205	27,999	9,654	35,766	-499	1,018	351,745	4,269	13,553	13,923
July	89,709	914	837	181,260	937	69,385	26,742	10,610	28,760	-686	1,093	409,562	4,405	14,586	15,015
August	91,145	887	787	173,390	1,094	68,982	23,284	9,315	29,072	-784	1,107	398,280	4,199	13,158	13,514
Sept	68,407	755	439	141,164	1,013	65,727	18,679	7,732	28,851	-525	1,016	333,258	3,722	11,185	11,454
October	59,805	876	351	131,242	918	59,362	18,810	7,085	34,438	-423	1,067	313,531	3,310	10,137	10,395
November	61,182	800	612	109,658	950	61,760	20,893	5,767	38,932	-369	1,067	301,250	2,687	8,290	8,453
December	78,588	940	751	127,685	999	69,871	21,508	5,091	38,112	-368	1,169	344,346	2,489	7,489	7,580
Year 2021															
January	81,483	888	714	125,960	1,077	71,732	25,814	5,726	36,721	-424	1,105	350,796	2,743	8,388	8,468
February	87,849	1,728	679	111,111	846	62,954	21,624	6,413	32,525	-425	920	326,223	2,927	9,206	9,340
March	62,037	757	679	106,565	854	63,708	21,574	9,272	46,015	-236	1,061	312,285	4,089	13,102	13,361
April	53,989	753	392	106,920	855	57,092	19,201	10,830	41,708	-197	961	292,504	4,593	15,089	15,423
May	63,900	802	510	114,131	886	63,394	22,795	12,292	39,566	-416	998	318,859	5,044	16,943	17,336
June	87,356	866	441	148,843	932	66,070	24,075	11,841	32,704	-376	1,002	373,754	5,111	16,631	16,952
July	101,600	823	688	169,663	1,010	68,832	22,113	11,915	27,743	-685	1,047	404,749	5,208	16,866	17,123
August	101,923	1,168	748	172,859	1,028	69,471	20,954	11,813	33,024	-670	1,035	413,353	4,944	16,416	16,757
Sept	78,891	907	639	138,062	982	64,484	17,966	11,106	34,619	-434	979	348,201	4,394	15,199	15,501
October	62,614	865	633	131,490	1,048	56,945	17,999	9,243	38,250	-427	979	319,638	3,854	12,874	13,096
November	57,160	845	778	122,458	877	62,749	20,460	7,874	41,694	-377	978	315,495	3,264	10,949	11,137
December	59,878	912	564	127,169	889	70,720	25,650	6,355	46,916	-445	1,076	339,684	2,853	9,117	9,208
Year 2022															
January	87,506	3,254	531	136,317	971	70,577	27,017	8,004	44,266	-493	1,017	378,967	3,301	11,172	11,305
Year to Date															
2020	65,140	915	633	135,916	1,155	74,170	24,498	4,459	34,248	-377	1,093	341,850	2,313	6,665	6,771
2021	81,483	888	714	125,960	1,077	71,732	25,814	5,726	36,721	-424	1,105	350,796	2,743	8,388	8,468
2022	87,506	3,254	531	136,317	971	70,577	27,017	8,004	44,266	-493	1,017	378,967	3,301	11,172	11,305
Rolling 12 Months Ending in January															
2021	789,736	9,635	7,760	1,614,210	11,740	787,442	286,590	90,465	411,003	-5,369	12,867	4,016,081	41,952	129,311	132,418
2022	904,701	13,680	7,284	1,585,587	11,177	776,996	261,428	116,957	459,030	-5,181	12,052	4,143,711	49,583	163,563	166,539

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 2020 and prior years are final. Values for 2021 and 2022 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), 2012-January 2022
(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													
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	337,938	86,066	3,133	36,210	10,212	6,080	2,201	15,890	285,274	783,003	41,522	127,588	130,721
2021	379,767	111,755	2,924	37,170	9,947	6,109	2,252	16,238	260,225	826,387	49,025	160,779	163,703
Year 2020													
January	28,121	4,353	106	3,325	921	520	213	1,148	24,498	63,205	2,313	6,665	6,771
February	29,110	5,383	178	3,119	855	464	194	1,230	25,868	66,401	2,623	8,006	8,184
March	29,320	6,157	193	3,169	911	535	201	1,465	23,823	65,773	3,424	9,581	9,774
April	29,752	7,615	305	2,844	872	504	182	1,379	23,194	66,648	3,816	11,431	11,736
May	28,378	9,241	413	2,918	882	517	190	1,362	29,976	73,877	4,267	13,508	13,921
June	30,212	9,284	370	2,823	810	473	174	1,274	27,999	73,419	4,269	13,553	13,923
July	22,866	10,181	429	3,021	841	527	173	1,331	26,742	66,111	4,405	14,586	15,015
August	23,029	8,960	356	3,159	852	538	171	1,323	23,284	61,671	4,199	13,158	13,514
Sept	23,186	7,463	269	2,894	816	492	174	1,288	18,679	55,262	3,722	11,185	11,454
October	28,823	6,827	258	2,839	820	486	183	1,288	18,810	60,334	3,310	10,137	10,395
November	33,129	5,603	164	2,951	796	488	169	1,399	20,893	65,591	2,687	8,290	8,453
December	32,011	5,000	91	3,149	838	535	177	1,403	21,508	64,711	2,489	7,489	7,580
Year 2021													
January	30,452	5,645	80	3,273	889	528	208	1,372	25,814	68,260	2,743	8,388	8,468
February	26,870	6,278	134	2,917	785	458	181	1,315	21,624	60,562	2,927	9,206	9,340
March	39,944	9,013	259	3,207	887	522	206	1,249	21,574	76,860	4,089	13,102	13,361
April	36,179	10,496	334	2,714	828	504	188	1,295	19,201	71,739	4,593	15,089	15,423
May	33,555	11,899	393	3,077	856	518	193	1,366	22,795	74,653	5,044	16,943	17,336
June	26,611	11,520	321	3,174	819	519	167	1,414	24,075	68,620	5,111	16,631	16,952
July	21,540	11,657	257	3,280	828	526	174	1,395	22,113	61,771	5,208	16,866	17,123
August	26,783	11,472	341	3,370	822	519	167	1,362	20,954	65,791	4,944	16,416	16,757
Sept	28,676	10,804	302	3,101	809	498	177	1,359	17,966	63,692	4,394	15,199	15,501
October	32,440	9,020	223	3,010	799	502	189	1,310	17,999	65,492	3,854	12,874	13,096
November	36,043	7,686	188	2,858	773	481	192	1,347	20,460	70,027	3,264	10,949	11,137
December	40,676	6,263	92	3,189	853	534	210	1,454	25,650	78,921	2,853	9,117	9,208
Year 2022													
January	38,194	7,871	133	3,084	802	494	193	1,500	27,017	79,287	3,301	11,172	11,305
Year to Date													
2020	28,121	4,353	106	3,325	921	520	213	1,148	24,498	63,205	2,313	6,665	6,771
2021	30,452	5,645	80	3,273	889	528	208	1,372	25,814	68,260	2,743	8,388	8,468
2022	38,194	7,871	133	3,084	802	494	193	1,500	27,017	79,287	3,301	11,172	11,305
Rolling 12 Months Ending in January													
2021	340,269	87,359	3,107	36,158	10,180	6,087	2,195	16,114	286,590	788,059	41,952	129,311	132,418
2022	387,509	113,980	2,976	36,982	9,861	6,075	2,237	16,366	261,428	837,414	49,583	163,563	166,539

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 2020 and prior years are final. Values for 2021 and 2022 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, 2012-January 2022
(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												
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	582,374	7,182	5,663	812,791	45	428,953	264,650	9,945	59,797	-4,326	618	2,167,694
2021	675,261	8,296	5,728	773,482	12	429,227	240,318	13,983	73,465	-3,996	460	2,216,234
Year 2020												
January	48,396	749	493	67,507	0	40,721	22,509	540	4,647	-325	55	185,292
February	41,703	574	366	64,180	8	36,079	23,948	611	5,264	-182	53	172,604
March	38,368	484	521	64,042	19	35,133	21,612	795	5,045	-252	53	165,820
April	29,904	437	455	56,621	6	32,827	20,901	910	4,988	-252	47	146,843
May	34,966	509	436	61,187	8	34,392	27,694	1,086	4,690	-273	52	164,746
June	49,771	612	647	72,247	1	36,388	26,532	1,013	5,087	-420	43	191,922
July	69,484	677	664	89,658	6	37,583	25,226	1,052	3,708	-595	53	227,516
August	71,205	671	607	85,828	0	37,544	21,967	955	4,194	-675	57	222,353
Sept	53,212	571	289	68,566	0	36,043	17,567	823	4,765	-438	43	181,441
October	44,186	666	169	65,256	0	31,641	17,451	775	5,420	-346	48	165,266
November	43,774	586	438	54,198	-1	32,605	19,456	676	6,231	-281	55	157,738
December	57,404	645	578	63,503	-1	37,995	19,787	710	5,758	-287	59	186,152
Year 2021												
January	60,166	688	538	61,256	-1	39,472	24,019	768	5,602	-340	42	192,210
February	66,400	1,213	537	53,620	5	34,339	20,146	789	5,462	-347	31	182,196
March	46,375	559	505	53,160	9	35,325	19,579	1,147	7,403	-146	40	163,955
April	40,849	557	261	53,694	0	30,126	17,535	1,362	6,824	-122	39	151,125
May	49,429	592	360	56,972	0	33,491	21,101	1,550	6,304	-331	34	169,500
June	66,499	601	340	74,531	0	36,854	22,511	1,303	5,077	-276	38	207,478
July	76,474	596	539	85,035	0	38,371	20,438	1,397	4,307	-566	34	226,625
August	77,516	896	600	86,101	0	38,752	19,366	1,328	5,095	-547	44	229,150
Sept	60,310	691	482	66,822	0	35,306	16,363	1,264	5,782	-322	43	186,742
October	45,758	659	514	62,141	0	33,066	16,420	1,161	6,167	-344	33	165,575
November	41,508	604	620	58,555	0	34,882	18,834	1,014	7,457	-310	39	163,203
December	43,977	640	432	61,595	0	39,244	24,004	901	7,985	-346	42	178,473
Year 2022												
January	64,025	1,420	388	67,015	0	39,295	25,285	1,072	7,772	-431	35	205,875
Year to Date												
2020	48,396	749	493	67,507	0	40,721	22,509	540	4,647	-325	55	185,292
2021	60,166	688	538	61,256	-1	39,472	24,019	768	5,602	-340	42	192,210
2022	64,025	1,420	388	67,015	0	39,295	25,285	1,072	7,772	-431	35	205,875
Rolling 12 Months Ending in January												
2021	594,143	7,120	5,708	806,541	45	427,704	266,160	10,173	60,752	-4,340	606	2,174,612
2022	679,121	9,028	5,577	779,241	12	429,050	241,584	14,286	75,635	-4,087	453	2,229,900

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 2020 and prior years are final. Values for 2021 and 2022 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, 2012-January 2022
(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												
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	6,622	1,554,462
2015	342,608	6,240	1,601	619,839	3,517	380,498	17,996	22,962	202,858	-987	6,765	1,603,898
2016	307,263	3,360	1,401	624,600	3,758	381,294	18,539	33,502	233,553	-1,057	6,876	1,613,090
2017	304,198	3,281	1,480	572,919	3,978	380,465	23,034	49,376	258,962	-1,047	6,439	1,603,086
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	185,328	1,984	1,504	706,885	3,129	360,925	19,409	78,567	319,633	-995	6,971	1,683,340
2021	217,543	2,490	1,284	700,153	3,162	348,925	18,698	99,889	348,803	-1,115	6,719	1,746,551
Year 2020												
January	16,168	121	90	58,750	357	33,448	1,869	3,883	27,010	-52	605	142,251
February	13,962	124	135	54,868	359	29,832	1,794	4,908	27,248	-65	541	133,704
March	11,863	170	143	53,018	274	28,864	2,071	5,502	28,000	-101	617	130,421
April	10,330	137	132	45,760	166	26,343	2,165	6,948	28,162	-73	590	120,661
May	11,124	145	136	47,731	172	29,946	2,158	8,490	27,171	-94	579	127,557
June	15,092	168	111	61,993	156	30,817	1,372	8,563	28,378	-79	534	147,105
July	19,762	197	129	82,313	176	31,802	1,431	9,476	22,691	-91	601	168,487
August	19,491	183	134	78,246	316	31,438	1,237	8,291	22,480	-109	609	162,314
Sept	14,713	151	105	64,220	296	29,684	1,043	6,850	21,756	-87	562	139,294
October	15,153	168	135	57,833	213	27,721	1,292	6,259	26,636	-77	560	135,894
November	16,974	171	128	47,260	297	29,154	1,355	5,049	30,300	-88	555	131,155
December	20,697	249	126	54,893	347	31,876	1,622	4,348	29,802	-81	617	144,496
Year 2021												
January	20,846	161	130	55,341	334	32,261	1,679	4,915	28,533	-85	603	144,718
February	20,999	439	105	50,236	193	28,615	1,381	5,581	24,824	-78	535	132,829
March	15,201	153	131	45,662	191	28,384	1,890	8,057	36,134	-90	592	136,303
April	12,700	157	100	45,625	251	26,966	1,566	9,390	32,537	-76	540	129,756
May	13,988	167	112	49,163	261	29,903	1,590	10,657	30,845	-85	558	137,159
June	20,351	225	70	65,750	302	29,216	1,465	10,461	25,230	-100	559	153,528
July	24,618	185	110	75,376	301	30,461	1,576	10,436	20,959	-118	569	164,474
August	23,897	224	110	77,582	322	30,719	1,490	10,405	25,432	-123	558	170,617
Sept	18,060	183	121	62,991	286	29,178	1,513	9,765	26,420	-112	539	148,944
October	16,370	164	NM	60,856	326	23,879	1,487	8,016	29,724	-83	555	141,376
November	15,118	202	117	55,155	180	27,867	1,528	6,799	31,779	-68	521	139,197
December	15,396	232	96	56,417	215	31,476	1,535	5,406	36,384	-99	591	147,650
Year 2022												
January	22,961	1,765	108	59,901	271	31,282	1,620	6,878	34,075	-62	529	159,328
Year to Date												
2020	16,168	121	90	58,750	357	33,448	1,869	3,883	27,010	-52	605	142,251
2021	20,846	161	130	55,341	334	32,261	1,679	4,915	28,533	-85	603	144,718
2022	22,961	1,765	108	59,901	271	31,282	1,620	6,878	34,075	-62	529	159,328
Rolling 12 Months Ending in January												
2021	190,006	2,024	1,544	703,476	3,106	359,738	19,218	79,599	321,156	-1,028	6,969	1,685,807
2022	219,658	4,095	NM	704,713	3,099	347,946	18,640	101,851	354,345	-1,093	6,645	1,761,162

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 2020 and prior years are final. Values for 2021 and 2022 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, 2012-January 2022
(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															
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	240	97	2	8,110	0	0	214	586	2,761	0	1,035	13,046	12,859	13,445	13,445
2021	297	106	4	8,023	0	0	254	654	2,787	0	1,023	13,148	15,121	15,775	15,775
Year 2020															
January	25	10	2	731	0	0	18	32	238	0	90	1,145	736	767	767
February	31	6	1	669	0	0	18	37	231	0	80	1,074	833	871	871
March	24	7	0	623	0	0	17	46	246	0	88	1,050	1,082	1,128	1,128
April	13	5	0	546	0	0	17	54	226	0	81	943	1,189	1,244	1,244
May	14	9	0	578	0	0	23	66	234	0	89	1,012	1,309	1,375	1,375
June	17	7	0	685	0	0	22	66	222	0	84	1,103	1,305	1,371	1,371
July	16	10	0	855	0	0	21	69	231	0	91	1,293	1,355	1,424	1,424
August	15	10	0	819	0	0	18	59	232	0	90	1,241	1,301	1,360	1,360
Sept	23	8	0	695	0	0	14	50	223	0	83	1,097	1,159	1,209	1,209
October	17	8	0	638	0	0	14	43	227	0	84	1,032	1,011	1,055	1,055
November	20	8	0	596	0	0	15	36	227	0	85	987	804	840	840
December	26	10	0	675	0	0	16	28	224	0	90	1,069	774	802	802
Year 2021															
January	27	10	0	680	0	0	27	35	247	0	93	1,118	859	894	894
February	35	NM	1	608	0	0	23	35	213	0	70	998	930	965	965
March	24	9	0	622	0	0	NM	57	215	0	86	1,033	1,276	1,333	1,333
April	19	8	0	570	0	0	19	65	222	0	85	988	1,416	1,481	1,481
May	15	9	0	602	0	0	NM	70	228	0	81	1,028	1,535	1,605	1,605
June	21	8	0	686	0	0	NM	64	219	0	81	1,103	1,552	1,615	1,615
July	23	9	0	767	0	0	NM	68	235	0	92	1,216	1,602	1,670	1,670
August	27	NM	0	794	0	0	NM	65	238	0	92	1,244	1,540	1,605	1,605
Sept	29	NM	0	722	0	0	16	60	233	0	87	1,153	1,374	1,434	1,434
October	30	8	1	646	0	0	NM	51	237	0	82	1,069	1,196	1,246	1,246
November	26	7	1	647	0	0	NM	47	236	0	86	1,069	947	995	995
December	21	8	1	681	0	0	26	37	264	0	88	1,127	894	932	932
Year 2022															
January	31	NM	1	707	0	0	28	41	272	0	100	1,203	985	1,026	1,026
Year to Date															
2020	25	10	2	731	0	0	18	32	238	0	90	1,145	736	767	767
2021	27	10	0	680	0	0	27	35	247	0	93	1,118	859	894	894
2022	31	NM	1	707	0	0	28	41	272	0	100	1,203	985	1,026	1,026
Rolling 12 Months Ending in January															
2021	242	97	1	8,058	0	0	223	589	2,770	0	1,038	13,019	12,983	13,573	13,573
2022	302	NM	5	8,051	0	0	NM	660	2,813	0	1,030	13,233	15,246	15,907	15,907

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 2020 and prior years are final. Values for 2021 and 2022 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
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Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report;
Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.
Estimated small scale solar photovoltaic generation and small scale solar photovoltaic capacity are based on data from Form EIA-861M, Form EIA-861 and from estimation methods described in the technical notes.

Table 1.2.D. Net Generation by Energy Source: Industrial Sector, 2012-January 2022
(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															
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	5,451	398	510	96,381	8,644	0	1,001	101	26,339	0	4,231	143,056	3,484	3,586	3,586
2021	5,577	423	451	93,572	8,110	0	955	153	26,429	0	3,937	139,607	3,849	4,003	4,003
Year 2020															
January	551	35	48	8,928	799	0	102	4	2,353	0	343	13,163	192	196	196
February	506	45	39	8,154	784	0	108	6	2,229	0	297	12,168	212	218	218
March	476	31	40	8,222	755	0	123	7	2,309	0	333	12,296	292	299	299
April	429	47	26	7,373	631	0	111	8	2,156	0	355	11,136	316	324	324
May	422	28	39	7,447	705	0	102	12	2,152	0	371	11,277	349	361	361
June	403	30	42	7,909	710	0	73	12	2,079	0	357	11,615	354	367	367
July	447	30	44	8,433	755	0	64	13	2,131	0	348	12,266	370	383	383
August	435	23	47	8,497	777	0	62	11	2,167	0	352	12,371	358	369	369
Sept	459	25	45	7,683	718	0	54	9	2,107	0	327	11,426	321	330	330
October	449	34	47	7,515	705	0	53	8	2,155	0	375	11,340	291	299	299
November	414	34	46	7,604	654	0	67	6	2,174	0	370	11,370	226	232	232
December	461	36	46	8,614	653	0	83	5	2,328	0	403	12,629	203	208	208
Year 2021															
January	444	30	46	8,683	745	0	89	7	2,339	0	367	12,750	215	222	222
February	414	63	37	6,647	648	0	74	7	2,026	0	284	10,200	229	236	236
March	436	37	44	7,122	655	0	84	12	2,262	0	342	10,993	328	340	340
April	421	31	30	7,031	604	0	81	14	2,125	0	297	10,634	356	369	369
May	469	35	39	7,395	625	0	81	15	2,189	0	325	11,172	392	407	407
June	485	31	31	7,875	630	0	75	14	2,178	0	325	11,645	394	408	408
July	485	33	39	8,485	709	0	78	14	2,241	0	351	12,434	404	418	418
August	483	39	39	8,383	706	0	78	15	2,258	0	341	12,342	392	406	406
Sept	492	27	36	7,526	696	0	74	17	2,185	0	309	11,361	354	371	371
October	456	35	NM	7,847	723	0	76	15	2,122	0	309	11,619	318	333	333
November	508	32	39	8,102	697	0	80	14	2,222	0	332	12,025	247	261	261
December	484	32	35	8,476	674	0	85	11	2,283	0	355	12,434	220	231	231
Year 2022															
January	488	46	34	8,694	700	0	84	13	2,147	0	354	12,560	232	244	244
Year to Date															
2020	551	35	48	8,928	799	0	102	4	2,353	0	343	13,163	192	196	196
2021	444	30	46	8,683	745	0	89	7	2,339	0	367	12,750	215	222	222
2022	488	46	34	8,694	700	0	84	13	2,147	0	354	12,560	232	244	244
Rolling 12 Months Ending in January															
2021	5,344	393	508	96,136	8,590	0	988	104	26,325	0	4,254	142,643	3,507	3,612	3,612
2022	5,621	439	NM	93,583	8,065	0	950	159	26,237	0	3,924	139,417	3,866	4,025	4,025

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 2020 and prior years are final. Values for 2021 and 2022 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
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Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.
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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.
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 2022 (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	25,179
2021	30,054
Year 2020	
January	1,385
February	1,578
March	2,049
April	2,310
May	2,610
June	2,610
July	2,680
August	2,540
Sept	2,241
October	2,008
November	1,657
December	1,512
Year 2021	
January	1,668
February	1,768
March	2,484
April	2,822
May	3,117
June	3,166
July	3,202
August	3,012
Sept	2,666
October	2,340
November	2,069
December	1,739
Year 2022	
January	2,085
Year to Date	
2020	1,385
2021	1,668
2022	2,085
Rolling 12 Months Ending in January	
2021	25,462
2022	30,470

See Glossary for definitions. Values for 2020 and prior years are final. Values for 2021 and 2022 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 2022 and 2021 (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 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
New England	9,739	8,891	9.5%	363	179	9,041	8,381	107	101	228	229
Connecticut	3,619	3,653	-0.9%	7	8	3,535	3,573	28	27	49	45
Maine	1,227	954	28.7%	NM	NM	1,068	792	11	11	148	150
Massachusetts	2,251	2,030	10.9%	NM	28	2,134	1,931	56	52	17	19
New Hampshire	1,812	1,504	20.5%	218	68	1,585	1,426	7	6	2	3
Rhode Island	634	579	9.5%	0	0	617	563	5	4	NM	13
Vermont	195	171	14.2%	93	74	102	96	0	0	0	0
Middle Atlantic	39,233	37,845	3.7%	3,312	3,535	35,274	33,753	214	197	434	359
New Jersey	4,742	4,595	3.2%	1	2	4,638	4,497	60	52	43	44
New York	11,198	10,862	3.1%	3,301	3,524	7,706	7,154	NM	109	78	75
Pennsylvania	23,293	22,387	4.0%	10	9	22,930	22,102	41	36	312	240
East North Central	56,998	52,372	8.8%	19,855	19,267	36,049	31,992	161	145	933	967
Illinois	17,542	16,077	9.1%	527	260	16,764	15,543	42	39	209	234
Indiana	9,078	8,955	1.4%	5,688	5,813	2,990	2,703	23	22	377	419
Michigan	10,820	10,494	3.1%	7,278	7,307	3,351	3,007	65	55	125	124
Ohio	13,310	10,971	21.3%	1,350	1,239	11,868	9,655	18	18	75	59
Wisconsin	6,249	5,875	6.4%	5,013	4,648	1,077	1,084	13	12	147	132
West North Central	36,145	30,474	18.6%	27,109	23,624	8,639	6,509	68	52	330	289
Iowa	6,596	5,518	19.5%	5,277	4,584	1,128	761	17	14	174	159
Kansas	5,464	4,709	16.0%	3,088	2,693	2,364	2,007	NM	NM	11	7
Minnesota	6,256	4,888	28.0%	4,558	3,605	1,583	1,181	31	20	84	82
Missouri	7,970	6,849	16.4%	7,229	6,317	718	512	17	15	6	5
Nebraska	3,680	3,146	17.0%	2,575	2,389	1,065	736	2	1	38	19
North Dakota	4,378	3,863	13.3%	3,368	3,087	996	762	0	0	NM	14
South Dakota	1,800	1,501	20.0%	1,014	949	784	549	NM	NM	NM	NM
South Atlantic	72,042	67,192	7.2%	59,865	56,118	10,472	9,340	183	158	1,522	1,577
Delaware	300	113	164.8%	3	1	230	23	1	1	66	89
District of Columbia	14	19	-22.2%	0	0	NM	NM	13	18	0	0
Florida	19,566	18,107	8.1%	18,127	16,987	1,007	716	37	NM	395	396
Georgia	11,457	10,420	10.0%	9,373	8,677	1,640	1,311	NM	NM	444	431
Maryland	3,434	3,255	5.5%	193	60	3,151	3,115	86	76	4	4
North Carolina	13,047	11,797	10.6%	11,470	10,358	1,397	1,251	25	27	155	162
South Carolina	9,109	8,992	1.3%	8,688	8,597	266	230	0	0	155	165
Virginia	8,338	8,088	3.1%	6,885	6,644	1,237	1,206	22	28	194	210
West Virginia	6,777	6,402	5.9%	5,126	4,795	1,543	1,488	0	0	108	119
East South Central	34,609	32,929	5.1%	30,077	28,934	3,731	3,147	19	20	781	828
Alabama	13,000	12,437	4.5%	9,295	9,197	3,327	2,815	0	0	377	425
Kentucky	6,918	6,389	8.3%	6,700	6,343	173	4	0	0	45	43
Mississippi	6,643	6,842	-2.9%	6,272	6,363	198	300	0	0	173	178
Tennessee	8,049	7,262	10.8%	7,810	7,031	33	28	19	20	186	183
West South Central	64,818	58,693	10.4%	21,629	18,667	36,354	33,223	65	66	6,771	6,736
Arkansas	6,340	5,219	21.5%	5,595	4,535	629	564	NM	NM	110	116
Louisiana	9,333	7,873	18.6%	5,920	4,772	677	363	15	18	2,721	2,720
Oklahoma	6,946	7,004	-0.8%	3,103	3,131	3,762	3,798	0	0	81	74
Texas	42,199	38,597	9.3%	7,010	6,229	31,286	28,499	45	43	3,858	3,826
Mountain	31,345	30,891	1.5%	22,582	22,918	8,401	7,534	106	97	256	341
Arizona	7,739	8,690	-10.9%	6,421	6,937	1,306	1,740	13	13	0	0
Colorado	4,886	4,849	0.8%	3,534	3,583	1,332	1,245	2	2	19	19
Idaho	1,799	1,597	12.6%	1,214	1,126	530	419	6	6	48	46
Montana	2,789	2,563	8.8%	1,237	1,149	1,549	1,410	0	0	NM	4
Nevada	3,119	3,038	2.7%	1,887	2,068	1,153	906	65	52	14	12
New Mexico	3,640	3,138	16.0%	2,054	2,045	1,576	1,083	9	10	0	0
Utah	3,311	3,168	4.5%	2,919	2,823	342	281	NM	14	38	50
Wyoming	4,062	3,847	5.6%	3,316	3,188	613	450	0	0	133	209
Pacific Contiguous	32,707	30,236	8.2%	20,117	18,096	11,103	10,532	213	215	1,275	1,394
California	14,642	13,501	8.4%	5,001	4,127	8,390	8,013	204	204	1,048	1,157
Oregon	6,438	5,883	9.4%	4,810	4,403	1,566	1,415	5	7	58	57
Washington	11,627	10,852	7.1%	10,306	9,566	1,147	1,104	3	3	170	179
Pacific Noncontiguous	1,330	1,274	4.4%	967	872	265	307	67	67	31	29
Alaska	584	517	13.0%	524	453	NM	22	32	32	10	9
Hawaii	745	757	-1.6%	443	419	246	284	35	35	21	20
U.S. Total	378,967	350,796	8.0%	205,875	192,210	159,328	144,718	1,203	1,118	12,560	12,750

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

Table 1.3.B. Utility Scale Facility Net Generation

by State, by Sector, Year-to-Date through January 2022 and 2021 (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 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
New England	9,739	8,891	9.5%	363	179	9,041	8,381	107	101	228	229
Connecticut	3,619	3,653	-0.9%	7	8	3,535	3,573	28	27	49	45
Maine	1,227	954	28.7%	NM	NM	1,068	792	11	11	148	150
Massachusetts	2,251	2,030	10.9%	NM	28	2,134	1,931	56	52	17	19
New Hampshire	1,812	1,504	20.5%	218	68	1,585	1,426	7	6	2	3
Rhode Island	634	579	9.5%	0	0	617	563	5	4	NM	13
Vermont	195	171	14.2%	93	74	102	96	0	0	0	0
Middle Atlantic	39,233	37,845	3.7%	3,312	3,535	35,274	33,753	214	197	434	359
New Jersey	4,742	4,595	3.2%	1	2	4,638	4,497	60	52	43	44
New York	11,198	10,862	3.1%	3,301	3,524	7,706	7,154	NM	109	78	75
Pennsylvania	23,293	22,387	4.0%	10	9	22,930	22,102	41	36	312	240
East North Central	56,998	52,372	8.8%	19,855	19,267	36,049	31,992	161	145	933	967
Illinois	17,542	16,077	9.1%	527	260	16,764	15,543	42	39	209	234
Indiana	9,078	8,955	1.4%	5,688	5,813	2,990	2,703	23	22	377	419
Michigan	10,820	10,494	3.1%	7,278	7,307	3,351	3,007	65	55	125	124
Ohio	13,310	10,971	21.3%	1,350	1,239	11,868	9,655	18	18	75	59
Wisconsin	6,249	5,875	6.4%	5,013	4,648	1,077	1,084	13	12	147	132
West North Central	36,145	30,474	18.6%	27,109	23,624	8,639	6,509	68	52	330	289
Iowa	6,596	5,518	19.5%	5,277	4,584	1,128	761	17	14	174	159
Kansas	5,464	4,709	16.0%	3,088	2,693	2,364	2,007	NM	NM	11	7
Minnesota	6,256	4,888	28.0%	4,558	3,605	1,583	1,181	31	20	84	82
Missouri	7,970	6,849	16.4%	7,229	6,317	718	512	17	15	6	5
Nebraska	3,680	3,146	17.0%	2,575	2,389	1,065	736	2	1	38	19
North Dakota	4,378	3,863	13.3%	3,368	3,087	996	762	0	0	NM	14
South Dakota	1,800	1,501	20.0%	1,014	949	784	549	NM	NM	NM	NM
South Atlantic	72,042	67,192	7.2%	59,865	56,118	10,472	9,340	183	158	1,522	1,577
Delaware	300	113	164.8%	3	1	230	23	1	1	66	89
District of Columbia	14	19	-22.2%	0	0	NM	NM	13	18	0	0
Florida	19,566	18,107	8.1%	18,127	16,987	1,007	716	37	NM	395	396
Georgia	11,457	10,420	10.0%	9,373	8,677	1,640	1,311	NM	NM	444	431
Maryland	3,434	3,255	5.5%	193	60	3,151	3,115	86	76	4	4
North Carolina	13,047	11,797	10.6%	11,470	10,358	1,397	1,251	25	27	155	162
South Carolina	9,109	8,992	1.3%	8,688	8,597	266	230	0	0	155	165
Virginia	8,338	8,088	3.1%	6,885	6,644	1,237	1,206	22	28	194	210
West Virginia	6,777	6,402	5.9%	5,126	4,795	1,543	1,488	0	0	108	119
East South Central	34,609	32,929	5.1%	30,077	28,934	3,731	3,147	19	20	781	828
Alabama	13,000	12,437	4.5%	9,295	9,197	3,327	2,815	0	0	377	425
Kentucky	6,918	6,389	8.3%	6,700	6,343	173	4	0	0	45	43
Mississippi	6,643	6,842	-2.9%	6,272	6,363	198	300	0	0	173	178
Tennessee	8,049	7,262	10.8%	7,810	7,031	33	28	19	20	186	183
West South Central	64,818	58,693	10.4%	21,629	18,667	36,354	33,223	65	66	6,771	6,736
Arkansas	6,340	5,219	21.5%	5,595	4,535	629	564	NM	NM	110	116
Louisiana	9,333	7,873	18.6%	5,920	4,772	677	363	15	18	2,721	2,720
Oklahoma	6,946	7,004	-0.8%	3,103	3,131	3,762	3,798	0	0	81	74
Texas	42,199	38,597	9.3%	7,010	6,229	31,286	28,499	45	43	3,858	3,826
Mountain	31,345	30,891	1.5%	22,582	22,918	8,401	7,534	106	97	256	341
Arizona	7,739	8,690	-10.9%	6,421	6,937	1,306	1,740	13	13	0	0
Colorado	4,886	4,849	0.8%	3,534	3,583	1,332	1,245	2	2	19	19
Idaho	1,799	1,597	12.6%	1,214	1,126	530	419	6	6	48	46
Montana	2,789	2,563	8.8%	1,237	1,149	1,549	1,410	0	0	NM	4
Nevada	3,119	3,038	2.7%	1,887	2,068	1,153	906	65	52	14	12
New Mexico	3,640	3,138	16.0%	2,054	2,045	1,576	1,083	9	10	0	0
Utah	3,311	3,168	4.5%	2,919	2,823	342	281	NM	14	38	50
Wyoming	4,062	3,847	5.6%	3,316	3,188	613	450	0	0	133	209
Pacific Contiguous	32,707	30,236	8.2%	20,117	18,096	11,103	10,532	213	215	1,275	1,394
California	14,642	13,501	8.4%	5,001	4,127	8,390	8,013	204	204	1,048	1,157
Oregon	6,438	5,883	9.4%	4,810	4,403	1,566	1,415	5	7	58	57
Washington	11,627	10,852	7.1%	10,306	9,566	1,147	1,104	3	3	170	179
Pacific Noncontiguous	1,330	1,274	4.4%	967	872	265	307	67	67	31	29
Alaska	584	517	13.0%	524	453	NM	22	32	32	10	9
Hawaii	745	757	-1.6%	443	419	246	284	35	35	21	20
U.S. Total	378,967	350,796	8.0%	205,875	192,210	159,328	144,718	1,203	1,118	12,560	12,750

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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.A. Utility Scale Facility Net Generation from Coal by State, by Sector, January 2022 and 2021 (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 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
New England	154	176	-12.2%	149	36	5	138	0	0	0	NM
Connecticut	0	133	-100.0%	0	0	0	133	0	0	0	0
Maine	5	6	-17.2%	0	0	5	5	0	0	0	NM
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	149	36	310.0%	149	36	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	4,142	3,642	13.7%	0	0	4,134	3,636	0	0	8	6
New Jersey	197	80	146.8%	0	0	197	80	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	3,945	3,563	10.7%	0	0	3,937	3,556	0	0	8	6
East North Central	20,050	19,358	3.6%	10,975	11,528	8,910	7,669	6	4	159	157
Illinois	4,476	4,044	10.7%	195	177	4,141	3,726	NM	1	137	140
Indiana	4,856	5,155	-5.8%	4,528	4,710	325	442	3	3	0	0
Michigan	3,280	3,630	-9.6%	3,245	3,598	31	31	0	0	3	0
Ohio	4,953	4,001	23.8%	540	532	4,413	3,470	0	0	0	0
Wisconsin	2,486	2,528	-1.6%	2,467	2,511	0	0	0	0	19	17
West North Central	15,405	14,581	5.6%	15,218	14,433	0	0	10	5	177	143
Iowa	1,657	1,960	-15.4%	1,532	1,851	0	0	5	4	119	104
Kansas	1,735	1,466	18.4%	1,735	1,466	0	0	0	0	0	0
Minnesota	2,124	1,417	49.9%	2,111	1,406	0	0	2	0	NM	11
Missouri	5,515	5,634	-2.1%	5,512	5,632	0	0	3	1	0	0
Nebraska	1,758	1,587	10.8%	1,720	1,567	0	0	0	0	38	19
North Dakota	2,441	2,313	5.5%	2,432	2,305	0	0	0	0	NM	8
South Dakota	175	205	-14.5%	175	205	0	0	0	0	0	0
South Atlantic	15,904	13,319	19.4%	13,428	11,282	2,419	1,981	6	5	51	50
Delaware	67	-3	NM	0	0	67	-3	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,136	1,591	-28.6%	1,133	1,589	0	0	0	0	NM	2
Georgia	2,130	1,258	69.3%	2,106	1,242	0	0	0	0	NM	16
Maryland	1,101	757	45.5%	0	0	1,101	757	0	0	0	0
North Carolina	2,832	2,259	25.3%	2,811	2,233	0	6	6	5	16	15
South Carolina	1,524	1,489	2.3%	1,504	1,473	19	13	0	0	1	3
Virginia	843	69	NM	836	29	0	27	0	0	7	13
West Virginia	6,270	5,898	6.3%	5,038	4,718	1,232	1,180	0	0	0	0
East South Central	9,140	8,286	10.3%	8,940	7,975	164	273	0	0	36	38
Alabama	2,402	2,097	14.5%	2,399	2,097	0	0	0	0	NM	NM
Kentucky	4,531	4,567	-0.8%	4,531	4,567	0	0	0	0	0	0
Mississippi	459	575	-20.1%	295	302	164	273	0	0	0	0
Tennessee	1,749	1,048	66.9%	1,716	1,010	0	0	0	0	33	38
West South Central	11,761	11,458	2.6%	6,139	6,016	5,618	5,439	0	0	4	3
Arkansas	2,314	2,302	0.5%	1,865	1,897	445	402	0	0	4	3
Louisiana	739	306	141.7%	408	243	331	62	0	0	0	0
Oklahoma	1,017	891	14.1%	1,017	891	0	0	0	0	0	0
Texas	7,690	7,959	-3.4%	2,849	2,985	4,842	4,974	0	0	0	0
Mountain	10,497	10,111	3.8%	9,124	8,848	1,341	1,238	0	0	31	25
Arizona	1,235	938	31.6%	1,235	938	0	0	0	0	0	0
Colorado	1,993	1,966	1.4%	1,993	1,966	0	0	0	0	0	0
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	1,114	1,087	2.5%	0	25	1,113	1,061	0	0	NM	2
Nevada	213	76	178.1%	86	-4	127	80	0	0	0	0
New Mexico	1,433	1,336	7.3%	1,433	1,336	0	0	0	0	0	0
Utah	1,877	1,944	-3.4%	1,839	1,909	38	35	0	0	0	0
Wyoming	2,631	2,762	-4.7%	2,539	2,678	63	62	0	0	28	22
Pacific Contiguous	316	379	-16.7%	0	0	294	359	0	0	22	20
California	20	17	15.8%	0	0	0	0	0	0	20	17
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	296	361	-18.2%	0	0	294	359	0	0	2	2
Pacific Noncontiguous	136	172	-20.9%	NM	47	75	114	NM	12	0	0
Alaska	75	77	-2.2%	NM	47	NM	18	NM	12	0	0
Hawaii	61	96	-35.9%	0	0	61	96	0	0	0	0
U.S. Total	87,506	81,483	7.4%	64,025	60,166	22,961	20,846	31	27	488	444

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

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

by State, by Sector, Year-to-Date through January 2022 and 2021 (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 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
New England	154	176	-12.2%	149	36	5	138	0	0	0	NM
Connecticut	0	133	-100.0%	0	0	0	133	0	0	0	0
Maine	5	6	-17.2%	0	0	5	5	0	0	0	NM
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	149	36	310.0%	149	36	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	4,142	3,642	13.7%	0	0	4,134	3,636	0	0	8	6
New Jersey	197	80	146.8%	0	0	197	80	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	3,945	3,563	10.7%	0	0	3,937	3,556	0	0	8	6
East North Central	20,050	19,358	3.6%	10,975	11,528	8,910	7,669	6	4	159	157
Illinois	4,476	4,044	10.7%	195	177	4,141	3,726	NM	1	137	140
Indiana	4,856	5,155	-5.8%	4,528	4,710	325	442	3	3	0	0
Michigan	3,280	3,630	-9.6%	3,245	3,598	31	31	0	0	3	0
Ohio	4,953	4,001	23.8%	540	532	4,413	3,470	0	0	0	0
Wisconsin	2,486	2,528	-1.6%	2,467	2,511	0	0	0	0	19	17
West North Central	15,405	14,581	5.6%	15,218	14,433	0	0	10	5	177	143
Iowa	1,657	1,960	-15.4%	1,532	1,851	0	0	5	4	119	104
Kansas	1,735	1,466	18.4%	1,735	1,466	0	0	0	0	0	0
Minnesota	2,124	1,417	49.9%	2,111	1,406	0	0	2	0	NM	11
Missouri	5,515	5,634	-2.1%	5,512	5,632	0	0	3	1	0	0
Nebraska	1,758	1,587	10.8%	1,720	1,567	0	0	0	0	38	19
North Dakota	2,441	2,313	5.5%	2,432	2,305	0	0	0	0	NM	8
South Dakota	175	205	-14.5%	175	205	0	0	0	0	0	0
South Atlantic	15,904	13,319	19.4%	13,428	11,282	2,419	1,981	6	5	51	50
Delaware	67	-3	NM	0	0	67	-3	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,136	1,591	-28.6%	1,133	1,589	0	0	0	0	NM	2
Georgia	2,130	1,258	69.3%	2,106	1,242	0	0	0	0	NM	16
Maryland	1,101	757	45.5%	0	0	1,101	757	0	0	0	0
North Carolina	2,832	2,259	25.3%	2,811	2,233	0	6	6	5	16	15
South Carolina	1,524	1,489	2.3%	1,504	1,473	19	13	0	0	1	3
Virginia	843	69	NM	836	29	0	27	0	0	7	13
West Virginia	6,270	5,898	6.3%	5,038	4,718	1,232	1,180	0	0	0	0
East South Central	9,140	8,286	10.3%	8,940	7,975	164	273	0	0	36	38
Alabama	2,402	2,097	14.5%	2,399	2,097	0	0	0	0	NM	NM
Kentucky	4,531	4,567	-0.8%	4,531	4,567	0	0	0	0	0	0
Mississippi	459	575	-20.1%	295	302	164	273	0	0	0	0
Tennessee	1,749	1,048	66.9%	1,716	1,010	0	0	0	0	33	38
West South Central	11,761	11,458	2.6%	6,139	6,016	5,618	5,439	0	0	4	3
Arkansas	2,314	2,302	0.5%	1,865	1,897	445	402	0	0	4	3
Louisiana	739	306	141.7%	408	243	331	62	0	0	0	0
Oklahoma	1,017	891	14.1%	1,017	891	0	0	0	0	0	0
Texas	7,690	7,959	-3.4%	2,849	2,985	4,842	4,974	0	0	0	0
Mountain	10,497	10,111	3.8%	9,124	8,848	1,341	1,238	0	0	31	25
Arizona	1,235	938	31.6%	1,235	938	0	0	0	0	0	0
Colorado	1,993	1,966	1.4%	1,993	1,966	0	0	0	0	0	0
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	1,114	1,087	2.5%	0	25	1,113	1,061	0	0	NM	2
Nevada	213	76	178.1%	86	-4	127	80	0	0	0	0
New Mexico	1,433	1,336	7.3%	1,433	1,336	0	0	0	0	0	0
Utah	1,877	1,944	-3.4%	1,839	1,909	38	35	0	0	0	0
Wyoming	2,631	2,762	-4.7%	2,539	2,678	63	62	0	0	28	22
Pacific Contiguous	316	379	-16.7%	0	0	294	359	0	0	22	20
California	20	17	15.8%	0	0	0	0	0	0	20	17
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	296	361	-18.2%	0	0	294	359	0	0	2	2
Pacific Noncontiguous	136	172	-20.9%	NM	47	75	114	NM	12	0	0
Alaska	75	77	-2.2%	NM	47	NM	18	NM	12	0	0
Hawaii	61	96	-35.9%	0	0	61	96	0	0	0	0
U.S. Total	87,506	81,483	7.4%	64,025	60,166	22,961	20,846	31	27	488	444

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.A. Utility Scale Facility Net Generation from Petroleum Liquids by State, by Sector, January 2022 and 2021 (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 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
New England	961	28	NM	53	4	894	19	NM	NM	NM	NM
Connecticut	NM	NM	NM	NM	0	NM	NM	NM	1	1	0
Maine	155	NM	NM	0	0	151	2	0	NM	NM	NM
Massachusetts	443	6	NM	NM	NM	431	6	NM	NM	1	0
New Hampshire	290	10	NM	41	3	247	5	2	2	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	2	0	0	0
Vermont	NM	NM	NM	NM	NM	0	0	0	0	0	0
Middle Atlantic	1,208	139	768.7%	535	100	662	37	NM	NM	NM	NM
New Jersey	27	5	429.5%	0	0	25	5	NM	NM	1	0
New York	1,122	126	789.1%	535	100	578	25	NM	NM	1	1
Pennsylvania	60	8	659.8%	0	0	59	7	0	0	NM	NM
East North Central	NM	31	NM	NM	21	NM	9	NM	0	NM	1
Illinois	NM	3	NM	NM	NM	NM	3	NM	0	0	0
Indiana	NM	11	NM	NM	11	0	0	0	0	0	0
Michigan	7	7	-6.6%	7	7	0	0	NM	NM	0	0
Ohio	NM	8	NM	NM	1	NM	6	0	0	0	0
Wisconsin	NM	2	NM	NM	2	0	0	NM	NM	NM	NM
West North Central	58	23	154.4%	57	23	NM	NM	0	0	0	0
Iowa	11	2	540.1%	11	2	NM	NM	0	0	0	0
Kansas	9	7	30.0%	9	7	0	0	0	0	0	0
Minnesota	2	2	-25.5%	NM	2	NM	NM	0	0	0	0
Missouri	31	7	313.7%	31	7	0	0	0	0	0	0
Nebraska	2	NM	NM	2	NM	0	0	0	0	0	0
North Dakota	2	2	1.7%	2	2	0	0	0	0	0	0
South Dakota	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
South Atlantic	258	73	251.4%	167	49	70	11	5	4	16	9
Delaware	NM	NM	NM	2	0	NM	NM	0	0	0	0
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	46	15	201.8%	39	13	6	NM	0	0	NM	2
Georgia	26	9	181.6%	15	3	NM	NM	NM	0	NM	6
Maryland	NM	8	NM	2	0	NM	8	NM	NM	0	0
North Carolina	NM	9	NM	NM	8	NM	NM	NM	NM	NM	1
South Carolina	21	6	222.7%	18	5	2	0	0	0	1	1
Virginia	88	9	835.2%	NM	NM	27	2	5	4	1	NM
West Virginia	10	15	-34.9%	10	15	0	0	0	0	0	0
East South Central	50	18	178.4%	47	14	1	3	0	0	NM	1
Alabama	NM	3	NM	NM	NM	1	3	0	0	NM	NM
Kentucky	26	6	297.4%	26	6	0	0	0	0	0	0
Mississippi	NM	1	NM	NM	1	0	0	0	0	0	0
Tennessee	21	7	180.5%	21	7	0	0	0	0	0	0
West South Central	16	11	56.0%	NM	8	3	2	0	0	NM	NM
Arkansas	8	3	137.7%	7	3	1	0	0	0	NM	NM
Louisiana	NM	NM	NM	NM	NM	0	0	0	0	0	0
Oklahoma	3	3	16.0%	3	3	0	0	0	0	0	0
Texas	NM	4	NM	NM	2	NM	2	0	0	0	0
Mountain	13	14	-7.4%	13	13	NM	1	NM	NM	0	0
Arizona	2	2	-2.2%	2	2	0	0	NM	NM	0	0
Colorado	2	NM	NM	2	NM	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	NM	NM	NM	NM	NM	NM	0	0	0	0	0
Nevada	1	0	70.0%	0	0	0	0	0	0	0	0
New Mexico	2	2	31.5%	2	2	0	0	0	0	0	0
Utah	2	4	-63.0%	2	4	0	0	0	0	0	0
Wyoming	5	5	1.5%	5	5	0	0	0	0	0	0
Pacific Contiguous	NM	4	NM	NM	3	3	0	0	0	NM	1
California	4	3	40.5%	3	2	1	0	NM	0	0	0
Oregon	NM	NM	NM	NM	NM	0	0	0	0	0	0
Washington	3	1	250.9%	0	NM	2	0	0	0	NM	NM
Pacific Noncontiguous	620	547	13.3%	497	454	105	78	0	0	18	16
Alaska	79	59	33.6%	75	57	NM	NM	NM	NM	4	3
Hawaii	540	488	10.8%	422	397	105	77	0	0	14	13
U.S. Total	3,254	888	266.2%	1,420	688	1,765	161	NM	10	46	30

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 2022 and 2021 (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 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
New England	961	28	NM	53	4	894	19	NM	NM	NM	NM
Connecticut	NM	NM	NM	NM	0	NM	NM	NM	1	1	0
Maine	155	NM	NM	0	0	151	2	0	NM	NM	NM
Massachusetts	443	6	NM	NM	NM	431	6	NM	NM	1	0
New Hampshire	290	10	NM	41	3	247	5	2	2	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	2	0	0	0
Vermont	NM	NM	NM	NM	NM	0	0	0	0	0	0
Middle Atlantic	1,208	139	768.7%	535	100	662	37	NM	NM	NM	NM
New Jersey	27	5	429.5%	0	0	25	5	NM	NM	1	0
New York	1,122	126	789.1%	535	100	578	25	NM	NM	1	1
Pennsylvania	60	8	659.8%	0	0	59	7	0	0	NM	NM
East North Central	NM	31	NM	NM	21	NM	9	NM	0	NM	1
Illinois	NM	3	NM	NM	NM	NM	3	NM	0	0	0
Indiana	NM	11	NM	NM	11	0	0	0	0	0	0
Michigan	7	7	-6.6%	7	7	0	0	NM	NM	0	0
Ohio	NM	8	NM	NM	1	NM	6	0	0	0	0
Wisconsin	NM	2	NM	NM	2	0	0	NM	NM	NM	NM
West North Central	58	23	154.4%	57	23	NM	NM	0	0	0	0
Iowa	11	2	540.1%	11	2	NM	NM	0	0	0	0
Kansas	9	7	30.0%	9	7	0	0	0	0	0	0
Minnesota	2	2	-25.5%	NM	2	NM	NM	0	0	0	0
Missouri	31	7	313.7%	31	7	0	0	0	0	0	0
Nebraska	2	NM	NM	2	NM	0	0	0	0	0	0
North Dakota	2	2	1.7%	2	2	0	0	0	0	0	0
South Dakota	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
South Atlantic	258	73	251.4%	167	49	70	11	5	4	16	9
Delaware	NM	NM	NM	2	0	NM	NM	0	0	0	0
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	46	15	201.8%	39	13	6	NM	0	0	NM	2
Georgia	26	9	181.6%	15	3	NM	NM	NM	0	NM	6
Maryland	NM	8	NM	2	0	NM	8	NM	NM	0	0
North Carolina	NM	9	NM	NM	8	NM	NM	NM	NM	NM	1
South Carolina	21	6	222.7%	18	5	2	0	0	0	1	1
Virginia	88	9	835.2%	NM	NM	27	2	5	4	1	NM
West Virginia	10	15	-34.9%	10	15	0	0	0	0	0	0
East South Central	50	18	178.4%	47	14	1	3	0	0	NM	1
Alabama	NM	3	NM	NM	NM	1	3	0	0	NM	NM
Kentucky	26	6	297.4%	26	6	0	0	0	0	0	0
Mississippi	NM	1	NM	NM	1	0	0	0	0	0	0
Tennessee	21	7	180.5%	21	7	0	0	0	0	0	0
West South Central	16	11	56.0%	NM	8	3	2	0	0	NM	NM
Arkansas	8	3	137.7%	7	3	1	0	0	0	NM	NM
Louisiana	NM	NM	NM	NM	NM	0	0	0	0	0	0
Oklahoma	3	3	16.0%	3	3	0	0	0	0	0	0
Texas	NM	4	NM	NM	2	NM	2	0	0	0	0
Mountain	13	14	-7.4%	13	13	NM	1	NM	NM	0	0
Arizona	2	2	-2.2%	2	2	0	0	NM	NM	0	0
Colorado	2	NM	NM	2	NM	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	NM	NM	NM	NM	NM	NM	0	0	0	0	0
Nevada	1	0	70.0%	0	0	0	0	0	0	0	0
New Mexico	2	2	31.5%	2	2	0	0	0	0	0	0
Utah	2	4	-63.0%	2	4	0	0	0	0	0	0
Wyoming	5	5	1.5%	5	5	0	0	0	0	0	0
Pacific Contiguous	NM	4	NM	NM	3	3	0	0	0	NM	1
California	4	3	40.5%	3	2	1	0	NM	0	0	0
Oregon	NM	NM	NM	NM	NM	0	0	0	0	0	0
Washington	3	1	250.9%	0	NM	2	0	0	0	NM	NM
Pacific Noncontiguous	620	547	13.3%	497	454	105	78	0	0	18	16
Alaska	79	59	33.6%	75	57	NM	NM	NM	NM	4	3
Hawaii	540	488	10.8%	422	397	105	77	0	0	14	13
U.S. Total	3,254	888	266.2%	1,420	688	1,765	161	NM	10	46	30

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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 1.6.A. Utility Scale Facility Net Generation from Petroleum Coke by State, by Sector, January 2022 and 2021 (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 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
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	120	133	-9.6%	44	30	65	93	0	0	11	11
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	35	31	13.2%	24	21	0	0	0	0	11	11
Ohio	65	93	-30.1%	0	0	65	93	0	0	0	0
Wisconsin	20	9	126.0%	20	9	0	0	0	0	0	0
West North Central	1	8	-84.1%	0	0	0	0	1	0	0	8
Iowa	1	8	-84.1%	0	0	0	0	1	0	0	8
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	94	107	-12.1%	80	88	0	0	0	0	NM	19
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	80	88	-8.9%	80	88	0	0	0	0	0	0
Georgia	NM	19	NM	0	0	0	0	0	0	NM	19
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	272	429	-36.7%	264	421	0	0	0	0	8	8
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	264	421	-37.4%	264	421	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	8	8	0.8%	0	0	0	0	0	0	8	8
Mountain	43	37	17.4%	0	0	43	37	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	43	37	17.4%	0	0	43	37	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	531	714	-25.6%	388	538	108	130	1	0	34	46

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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 2022 and 2021 (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 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 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	120	133	-9.6%	44	30	65	93	0	0	11	11
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	35	31	13.2%	24	21	0	0	0	0	11	11
Ohio	65	93	-30.1%	0	0	65	93	0	0	0	0
Wisconsin	20	9	126.0%	20	9	0	0	0	0	0	0
West North Central	1	8	-84.1%	0	0	0	0	1	0	0	8
Iowa	1	8	-84.1%	0	0	0	0	1	0	0	8
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	94	107	-12.1%	80	88	0	0	0	0	NM	19
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	80	88	-8.9%	80	88	0	0	0	0	0	0
Georgia	NM	19	NM	0	0	0	0	0	0	NM	19
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	272	429	-36.7%	264	421	0	0	0	0	8	8
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	264	421	-37.4%	264	421	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	8	8	0.8%	0	0	0	0	0	0	8	8
Mountain	43	37	17.4%	0	0	43	37	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	43	37	17.4%	0	0	43	37	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	531	714	-25.6%	388	538	108	130	1	0	34	46

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 2022 and 2021 (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 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
New England	4,508	4,651	-3.1%	NM	NM	4,290	4,446	79	79	123	119
Connecticut	1,980	1,939	2.1%	3	4	1,904	1,865	24	25	48	45
Maine	308	189	62.7%	0	0	260	147	3	3	45	40
Massachusetts	1,449	1,706	-15.1%	NM	NM	1,373	1,638	49	47	15	19
New Hampshire	214	288	-25.4%	1	1	211	283	1	1	2	3
Rhode Island	557	528	5.3%	0	0	541	513	3	3	NM	13
Vermont	0	0	-9.2%	0	0	0	0	0	0	0	0
Middle Atlantic	17,638	17,015	3.7%	751	1,279	16,465	15,438	111	95	311	204
New Jersey	1,662	1,623	2.4%	NM	NM	1,607	1,585	19	14	29	20
New York	4,475	4,357	2.7%	743	1,274	3,606	2,960	72	69	55	54
Pennsylvania	11,501	11,035	4.2%	2	0	11,251	10,892	20	12	227	130
East North Central	16,681	13,794	20.9%	5,427	4,262	10,734	9,072	132	119	388	341
Illinois	2,036	1,585	28.5%	314	65	1,644	1,436	39	37	39	46
Indiana	2,924	2,771	5.5%	1,071	1,028	1,664	1,584	16	14	175	144
Michigan	3,335	2,580	29.3%	1,217	734	2,008	1,747	56	46	54	53
Ohio	6,192	4,938	25.4%	779	684	5,364	4,214	17	16	33	24
Wisconsin	2,194	1,920	14.3%	2,047	1,750	55	91	5	5	88	74
West North Central	2,665	2,094	27.2%	2,037	1,641	515	358	30	27	83	69
Iowa	477	355	34.3%	419	302	0	0	9	9	50	43
Kansas	208	168	24.3%	198	161	0	0	0	0	11	7
Minnesota	1,047	811	29.0%	655	565	367	228	10	8	14	11
Missouri	672	572	17.4%	507	428	148	129	11	10	6	5
Nebraska	60	50	18.1%	59	50	0	0	0	0	0	0
North Dakota	111	103	8.7%	110	100	0	0	0	0	2	2
South Dakota	90	35	156.8%	89	34	0	0	0	0	NM	NM
South Atlantic	31,501	29,234	7.8%	26,763	25,030	4,195	3,633	110	106	433	465
Delaware	196	95	106.5%	1	1	142	17	0	0	53	77
District of Columbia	NM	13	NM	0	0	0	0	NM	13	0	0
Florida	14,565	12,539	16.2%	13,730	12,040	678	350	NM	NM	149	142
Georgia	5,065	4,973	1.9%	3,876	4,001	1,120	909	0	0	69	62
Maryland	740	802	-7.7%	190	59	463	665	83	74	4	4
North Carolina	4,789	4,114	16.4%	4,089	3,477	673	606	NM	14	16	17
South Carolina	1,940	1,848	5.0%	1,884	1,805	44	NM	0	0	13	20
Virginia	4,006	4,700	-14.8%	2,971	3,642	963	982	0	0	72	76
West Virginia	192	152	26.8%	23	5	112	80	0	0	57	66
East South Central	13,891	12,764	8.8%	10,119	9,650	3,445	2,795	19	19	308	299
Alabama	5,343	4,759	12.3%	1,937	1,840	3,273	2,791	0	0	133	128
Kentucky	1,899	1,315	44.4%	1,706	1,291	170	2	0	0	23	22
Mississippi	4,970	5,075	-2.1%	4,917	5,024	2	0	0	0	51	51
Tennessee	1,680	1,615	4.0%	1,558	1,495	1	2	19	19	101	99
West South Central	30,968	26,907	15.1%	11,361	8,392	13,522	12,424	58	61	6,027	6,029
Arkansas	2,131	1,032	106.4%	1,972	879	127	124	NM	NM	28	25
Louisiana	6,221	5,053	23.1%	3,636	2,505	233	183	15	18	2,338	2,347
Oklahoma	2,631	3,066	-14.2%	1,744	1,879	836	1,140	0	0	51	47
Texas	19,985	17,756	12.6%	4,009	3,129	12,326	10,977	39	39	3,611	3,610
Mountain	8,045	9,404	-14.4%	6,215	7,145	1,663	2,084	34	38	133	136
Arizona	2,695	3,734	-27.8%	1,868	2,439	815	1,283	11	11	0	0
Colorado	1,152	1,322	-12.9%	1,008	1,139	131	170	0	0	12	13
Idaho	425	343	24.0%	241	225	164	100	4	4	16	15
Montana	31	18	75.1%	22	14	9	3	0	0	1	NM
Nevada	1,925	2,151	-10.5%	1,713	1,943	193	191	5	5	13	12
New Mexico	705	882	-20.1%	349	539	346	333	9	10	0	0
Utah	1,011	860	17.7%	976	813	NM	NM	4	8	27	35
Wyoming	101	95	7.2%	38	33	0	0	0	0	63	61
Pacific Contiguous	10,204	9,913	2.9%	4,117	3,672	5,071	5,090	133	135	883	1,015
California	7,089	7,080	0.1%	2,327	2,039	3,840	3,975	129	130	794	937
Oregon	1,856	1,691	9.8%	999	885	846	792	3	4	8	10
Washington	1,260	1,142	10.3%	792	748	385	324	2	2	80	69
Pacific Noncontiguous	214	184	16.5%	208	177	0	0	0	0	6	6
Alaska	214	184	16.5%	208	177	0	0	0	0	6	6
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	136,317	125,960	8.2%	67,015	61,256	59,901	55,341	707	680	8,694	8,683

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

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

by State, by Sector, Year-to-Date through January 2022 and 2021 (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 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
New England	4,508	4,651	-3.1%	NM	NM	4,290	4,446	79	79	123	119
Connecticut	1,980	1,939	2.1%	3	4	1,904	1,865	24	25	48	45
Maine	308	189	62.7%	0	0	260	147	3	3	45	40
Massachusetts	1,449	1,706	-15.1%	NM	NM	1,373	1,638	49	47	15	19
New Hampshire	214	288	-25.4%	1	1	211	283	1	1	2	3
Rhode Island	557	528	5.3%	0	0	541	513	3	3	NM	13
Vermont	0	0	-9.2%	0	0	0	0	0	0	0	0
Middle Atlantic	17,638	17,015	3.7%	751	1,279	16,465	15,438	111	95	311	204
New Jersey	1,662	1,623	2.4%	NM	NM	1,607	1,585	19	14	29	20
New York	4,475	4,357	2.7%	743	1,274	3,606	2,960	72	69	55	54
Pennsylvania	11,501	11,035	4.2%	2	0	11,251	10,892	20	12	227	130
East North Central	16,681	13,794	20.9%	5,427	4,262	10,734	9,072	132	119	388	341
Illinois	2,036	1,585	28.5%	314	65	1,644	1,436	39	37	39	46
Indiana	2,924	2,771	5.5%	1,071	1,028	1,664	1,584	16	14	175	144
Michigan	3,335	2,580	29.3%	1,217	734	2,008	1,747	56	46	54	53
Ohio	6,192	4,938	25.4%	779	684	5,364	4,214	17	16	33	24
Wisconsin	2,194	1,920	14.3%	2,047	1,750	55	91	5	5	88	74
West North Central	2,665	2,094	27.2%	2,037	1,641	515	358	30	27	83	69
Iowa	477	355	34.3%	419	302	0	0	9	9	50	43
Kansas	208	168	24.3%	198	161	0	0	0	0	11	7
Minnesota	1,047	811	29.0%	655	565	367	228	10	8	14	11
Missouri	672	572	17.4%	507	428	148	129	11	10	6	5
Nebraska	60	50	18.1%	59	50	0	0	0	0	0	0
North Dakota	111	103	8.7%	110	100	0	0	0	0	2	2
South Dakota	90	35	156.8%	89	34	0	0	0	0	NM	NM
South Atlantic	31,501	29,234	7.8%	26,763	25,030	4,195	3,633	110	106	433	465
Delaware	196	95	106.5%	1	1	142	17	0	0	53	77
District of Columbia	NM	13	NM	0	0	0	0	NM	13	0	0
Florida	14,565	12,539	16.2%	13,730	12,040	678	350	NM	NM	149	142
Georgia	5,065	4,973	1.9%	3,876	4,001	1,120	909	0	0	69	62
Maryland	740	802	-7.7%	190	59	463	665	83	74	4	4
North Carolina	4,789	4,114	16.4%	4,089	3,477	673	606	NM	14	16	17
South Carolina	1,940	1,848	5.0%	1,884	1,805	44	NM	0	0	13	20
Virginia	4,006	4,700	-14.8%	2,971	3,642	963	982	0	0	72	76
West Virginia	192	152	26.8%	23	5	112	80	0	0	57	66
East South Central	13,891	12,764	8.8%	10,119	9,650	3,445	2,795	19	19	308	299
Alabama	5,343	4,759	12.3%	1,937	1,840	3,273	2,791	0	0	133	128
Kentucky	1,899	1,315	44.4%	1,706	1,291	170	2	0	0	23	22
Mississippi	4,970	5,075	-2.1%	4,917	5,024	2	0	0	0	51	51
Tennessee	1,680	1,615	4.0%	1,558	1,495	1	2	19	19	101	99
West South Central	30,968	26,907	15.1%	11,361	8,392	13,522	12,424	58	61	6,027	6,029
Arkansas	2,131	1,032	106.4%	1,972	879	127	124	NM	NM	28	25
Louisiana	6,221	5,053	23.1%	3,636	2,505	233	183	15	18	2,338	2,347
Oklahoma	2,631	3,066	-14.2%	1,744	1,879	836	1,140	0	0	51	47
Texas	19,985	17,756	12.6%	4,009	3,129	12,326	10,977	39	39	3,611	3,610
Mountain	8,045	9,404	-14.4%	6,215	7,145	1,663	2,084	34	38	133	136
Arizona	2,695	3,734	-27.8%	1,868	2,439	815	1,283	11	11	0	0
Colorado	1,152	1,322	-12.9%	1,008	1,139	131	170	0	0	12	13
Idaho	425	343	24.0%	241	225	164	100	4	4	16	15
Montana	31	18	75.1%	22	14	9	3	0	0	1	NM
Nevada	1,925	2,151	-10.5%	1,713	1,943	193	191	5	5	13	12
New Mexico	705	882	-20.1%	349	539	346	333	9	10	0	0
Utah	1,011	860	17.7%	976	813	NM	NM	4	8	27	35
Wyoming	101	95	7.2%	38	33	0	0	0	0	63	61
Pacific Contiguous	10,204	9,913	2.9%	4,117	3,672	5,071	5,090	133	135	883	1,015
California	7,089	7,080	0.1%	2,327	2,039	3,840	3,975	129	130	794	937
Oregon	1,856	1,691	9.8%	999	885	846	792	3	4	8	10
Washington	1,260	1,142	10.3%	792	748	385	324	2	2	80	69
Pacific Noncontiguous	214	184	16.5%	208	177	0	0	0	0	6	6
Alaska	214	184	16.5%	208	177	0	0	0	0	6	6
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	136,317	125,960	8.2%	67,015	61,256	59,901	55,341	707	680	8,694	8,683

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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), 2012-January 2022 (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						
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	1,376,622	130,315	108,699	6,904	1,627	1,624,167
2021	1,326,280	137,890	103,518	7,476	67	1,575,230
Year 2020						
January	118,507	10,312	6,411	561	125	135,916
February	111,308	9,922	6,031	499	111	127,871
March	107,698	10,268	7,234	588	117	125,905
April	94,467	8,644	6,596	491	103	110,301
May	99,139	9,427	7,809	473	95	116,943
June	119,056	11,816	11,272	555	134	142,833
July	146,832	16,123	17,419	708	178	181,260
August	143,641	13,924	14,908	724	193	173,390
Sept	120,144	10,566	9,697	601	155	141,164
October	109,842	10,827	9,811	616	146	131,242
November	94,540	8,658	5,786	546	129	109,658
December	111,448	9,829	5,725	542	141	127,685
Year 2021						
January	111,928	7,703	5,893	432	4	125,960
February	94,599	9,224	6,766	516	6	111,111
March	92,096	8,124	5,823	518	4	106,565
April	89,684	10,095	6,573	564	5	106,920
May	97,187	9,315	7,143	483	3	114,131
June	121,913	14,578	11,615	730	7	148,843
July	138,459	17,013	13,311	871	8	169,663
August	139,982	18,074	13,891	903	10	172,859
Sept	116,670	10,971	9,722	692	6	138,062
October	109,760	12,251	8,812	660	7	131,490
November	103,536	10,917	7,423	577	4	122,458
December	110,464	9,626	6,545	529	4	127,169
Year 2022						
January	116,463	11,598	7,686	565	5	136,317

Values for 2020 and prior years are final. Values for 2021 and 2022 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 2022 and 2021 (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 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
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	49	80	-38.7%	0	0	0	0	0	0	49	80
New Jersey	10	18	-43.4%	0	0	0	0	0	0	10	18
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	39	62	-37.3%	0	0	0	0	0	0	39	62
East North Central	336	450	-25.2%	0	-1	149	193	0	0	187	257
Illinois	14	24	-40.2%	0	0	0	0	0	0	14	24
Indiana	161	228	-29.4%	0	0	0	0	0	0	161	228
Michigan	109	134	-19.2%	0	-1	109	135	0	0	0	0
Ohio	52	63	-17.0%	0	0	40	58	0	0	12	5
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	3	3	13.0%	0	0	0	0	0	0	3	3
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	3	13.0%	0	0	0	0	0	0	3	3
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	17	16	5.6%	0	0	0	0	0	0	17	16
Delaware	12	11	11.8%	0	0	0	0	0	0	12	11
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	4	5	-8.4%	0	0	0	0	0	0	4	5
East South Central	NM	NM	NM	0	0	0	0	0	0	NM	NM
Alabama	NM	NM	NM	0	0	0	0	0	0	NM	NM
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	1	1	19.7%	0	0	0	0	0	0	1	1
West South Central	402	373	8.0%	0	0	121	139	0	0	281	234
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	165	151	9.2%	0	0	0	0	0	0	165	151
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	238	222	7.1%	0	0	121	139	0	0	116	83
Mountain	37	39	-5.6%	0	0	1	1	0	0	36	38
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	NM	NM	NM	0	0	0	0	0	0	NM	NM
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	1	1	-16.4%	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	253.4%	0	0	0	0	0	0	0	0
Wyoming	34	36	-6.3%	0	0	0	0	0	0	34	36
Pacific Contiguous	126	116	8.4%	0	0	0	0	0	0	126	116
California	115	95	21.1%	0	0	0	0	0	0	115	95
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	11	22	-47.2%	0	0	0	0	0	0	11	22
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	971	1,077	-9.8%	0	-1	271	334	0	0	700	745

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 2022 and 2021 (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 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 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	49	80	-38.7%	0	0	0	0	0	0	49	80
New Jersey	10	18	-43.4%	0	0	0	0	0	0	10	18
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	39	62	-37.3%	0	0	0	0	0	0	39	62
East North Central	336	450	-25.2%	0	-1	149	193	0	0	187	257
Illinois	14	24	-40.2%	0	0	0	0	0	0	14	24
Indiana	161	228	-29.4%	0	0	0	0	0	0	161	228
Michigan	109	134	-19.2%	0	-1	109	135	0	0	0	0
Ohio	52	63	-17.0%	0	0	40	58	0	0	12	5
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	3	3	13.0%	0	0	0	0	0	0	3	3
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	3	13.0%	0	0	0	0	0	0	3	3
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	17	16	5.6%	0	0	0	0	0	0	17	16
Delaware	12	11	11.8%	0	0	0	0	0	0	12	11
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	4	5	-8.4%	0	0	0	0	0	0	4	5
East South Central	NM	NM	NM	0	0	0	0	0	0	NM	NM
Alabama	NM	NM	NM	0	0	0	0	0	0	NM	NM
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	1	1	19.7%	0	0	0	0	0	0	1	1
West South Central	402	373	8.0%	0	0	121	139	0	0	281	234
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	165	151	9.2%	0	0	0	0	0	0	165	151
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	238	222	7.1%	0	0	121	139	0	0	116	83
Mountain	37	39	-5.6%	0	0	1	1	0	0	36	38
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	NM	NM	NM	0	0	0	0	0	0	NM	NM
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	1	1	-16.4%	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	253.4%	0	0	0	0	0	0	0	0
Wyoming	34	36	-6.3%	0	0	0	0	0	0	34	36
Pacific Contiguous	126	116	8.4%	0	0	0	0	0	0	126	116
California	115	95	21.1%	0	0	0	0	0	0	115	95
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	11	22	-47.2%	0	0	0	0	0	0	11	22
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	971	1,077	-9.8%	0	-1	271	334	0	0	700	745

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 2022 and 2021 (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 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
New England	2,352	2,327	1.0%	0	0	2,352	2,327	0	0	0	0
Connecticut	1,423	1,400	1.7%	0	0	1,423	1,400	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	0.1%	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	12,102	12,904	-6.2%	0	0	12,102	12,904	0	0	0	0
New Jersey	2,654	2,661	-0.3%	0	0	2,654	2,661	0	0	0	0
New York	2,477	3,274	-24.4%	0	0	2,477	3,274	0	0	0	0
Pennsylvania	6,972	6,969	0.0%	0	0	6,972	6,969	0	0	0	0
East North Central	13,904	14,450	-3.8%	2,159	2,571	11,745	11,880	0	0	0	0
Illinois	8,657	8,801	-1.6%	0	0	8,657	8,801	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	2,767	3,178	-12.9%	2,159	2,571	609	608	0	0	0	0
Ohio	1,583	1,576	0.5%	0	0	1,583	1,576	0	0	0	0
Wisconsin	896	895	0.2%	0	0	896	895	0	0	0	0
West North Central	3,530	2,784	26.8%	3,530	2,784	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	914	912	0.2%	914	912	0	0	0	0	0	0
Minnesota	1,221	1,309	-6.7%	1,221	1,309	0	0	0	0	0	0
Missouri	800	-30	NM	800	-30	0	0	0	0	0	0
Nebraska	596	593	0.4%	596	593	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	18,359	18,797	-2.3%	17,078	17,447	1,282	1,351	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	2,437	2,699	-9.7%	2,437	2,699	0	0	0	0	0	0
Georgia	2,996	3,044	-1.6%	2,996	3,044	0	0	0	0	0	0
Maryland	1,282	1,351	-5.1%	0	0	1,282	1,351	0	0	0	0
North Carolina	3,847	3,919	-1.8%	3,847	3,919	0	0	0	0	0	0
South Carolina	5,039	5,033	0.1%	5,039	5,033	0	0	0	0	0	0
Virginia	2,758	2,753	0.2%	2,758	2,753	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	8,268	8,572	-3.6%	8,268	8,572	0	0	0	0	0	0
Alabama	3,750	4,123	-9.0%	3,750	4,123	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	1,059	1,037	2.1%	1,059	1,037	0	0	0	0	0	0
Tennessee	3,458	3,413	1.3%	3,458	3,413	0	0	0	0	0	0
West South Central	6,800	6,769	0.5%	2,998	2,969	3,802	3,799	0	0	0	0
Arkansas	1,389	1,370	1.4%	1,389	1,370	0	0	0	0	0	0
Louisiana	1,609	1,600	0.6%	1,609	1,600	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3,802	3,799	0.1%	0	0	3,802	3,799	0	0	0	0
Mountain	2,739	2,976	-8.0%	2,739	2,976	0	0	0	0	0	0
Arizona	2,739	2,976	-8.0%	2,739	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	2,524	2,152	17.3%	2,524	2,152	0	0	0	0	0	0
California	1,656	1,287	28.7%	1,656	1,287	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	868	865	0.3%	868	865	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	70,577	71,732	-1.6%	39,295	39,472	31,282	32,261	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 2022 and 2021 (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 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
New England	2,352	2,327	1.0%	0	0	2,352	2,327	0	0	0	0
Connecticut	1,423	1,400	1.7%	0	0	1,423	1,400	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	0.1%	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	12,102	12,904	-6.2%	0	0	12,102	12,904	0	0	0	0
New Jersey	2,654	2,661	-0.3%	0	0	2,654	2,661	0	0	0	0
New York	2,477	3,274	-24.4%	0	0	2,477	3,274	0	0	0	0
Pennsylvania	6,972	6,969	0.0%	0	0	6,972	6,969	0	0	0	0
East North Central	13,904	14,450	-3.8%	2,159	2,571	11,745	11,880	0	0	0	0
Illinois	8,657	8,801	-1.6%	0	0	8,657	8,801	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	2,767	3,178	-12.9%	2,159	2,571	609	608	0	0	0	0
Ohio	1,583	1,576	0.5%	0	0	1,583	1,576	0	0	0	0
Wisconsin	896	895	0.2%	0	0	896	895	0	0	0	0
West North Central	3,530	2,784	26.8%	3,530	2,784	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	914	912	0.2%	914	912	0	0	0	0	0	0
Minnesota	1,221	1,309	-6.7%	1,221	1,309	0	0	0	0	0	0
Missouri	800	-30	NM	800	-30	0	0	0	0	0	0
Nebraska	596	593	0.4%	596	593	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	18,359	18,797	-2.3%	17,078	17,447	1,282	1,351	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	2,437	2,699	-9.7%	2,437	2,699	0	0	0	0	0	0
Georgia	2,996	3,044	-1.6%	2,996	3,044	0	0	0	0	0	0
Maryland	1,282	1,351	-5.1%	0	0	1,282	1,351	0	0	0	0
North Carolina	3,847	3,919	-1.8%	3,847	3,919	0	0	0	0	0	0
South Carolina	5,039	5,033	0.1%	5,039	5,033	0	0	0	0	0	0
Virginia	2,758	2,753	0.2%	2,758	2,753	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	8,268	8,572	-3.6%	8,268	8,572	0	0	0	0	0	0
Alabama	3,750	4,123	-9.0%	3,750	4,123	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	1,059	1,037	2.1%	1,059	1,037	0	0	0	0	0	0
Tennessee	3,458	3,413	1.3%	3,458	3,413	0	0	0	0	0	0
West South Central	6,800	6,769	0.5%	2,998	2,969	3,802	3,799	0	0	0	0
Arkansas	1,389	1,370	1.4%	1,389	1,370	0	0	0	0	0	0
Louisiana	1,609	1,600	0.6%	1,609	1,600	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3,802	3,799	0.1%	0	0	3,802	3,799	0	0	0	0
Mountain	2,739	2,976	-8.0%	2,739	2,976	0	0	0	0	0	0
Arizona	2,739	2,976	-8.0%	2,739	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	2,524	2,152	17.3%	2,524	2,152	0	0	0	0	0	0
California	1,656	1,287	28.7%	1,656	1,287	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	868	865	0.3%	868	865	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	70,577	71,732	-1.6%	39,295	39,472	31,282	32,261	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 1.10.A. Utility Scale Facility Net Generation from Hydroelectric (Conventional) Power by State, by Sector, January 2022 and 2021 (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 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
New England	546	572	-4.6%	74	77	465	487	1	0	NM	7
Connecticut	27	29	-5.9%	3	4	24	25	0	0	0	0
Maine	256	270	-5.3%	NM	NM	249	263	0	0	NM	7
Massachusetts	71	73	-3.5%	13	14	57	59	1	0	0	0
New Hampshire	100	104	-3.9%	27	28	73	76	0	0	0	0
Rhode Island	0	1	-30.9%	0	0	0	1	0	0	0	0
Vermont	92	96	-3.9%	30	32	62	64	0	0	0	0
Middle Atlantic	2,599	2,740	-5.1%	2,066	2,183	528	550	1	1	4	6
New Jersey	1	3	-63.1%	0	0	1	3	0	0	0	0
New York	2,377	2,506	-5.2%	2,058	2,174	313	325	1	1	4	6
Pennsylvania	221	231	-4.4%	8	9	214	222	0	0	0	0
East North Central	573	533	7.5%	518	477	42	42	0	0	12	14
Illinois	9	12	-27.9%	4	5	NM	7	0	0	0	0
Indiana	22	23	-3.9%	22	23	0	0	0	0	0	0
Michigan	194	176	10.2%	185	167	NM	NM	0	0	NM	NM
Ohio	31	32	-3.8%	21	21	10	11	0	0	0	0
Wisconsin	317	290	9.5%	287	260	NM	NM	0	0	11	13
West North Central	1,457	1,353	7.6%	1,419	1,318	33	30	0	0	5	6
Iowa	126	109	15.5%	126	109	0	1	0	0	0	0
Kansas	2	2	1.0%	0	0	2	2	0	0	0	0
Minnesota	112	103	9.3%	78	70	30	27	0	0	5	6
Missouri	153	158	-3.3%	153	158	0	0	0	0	0	0
Nebraska	159	145	9.6%	159	145	0	0	0	0	0	0
North Dakota	275	251	9.4%	275	251	0	0	0	0	0	0
South Dakota	630	585	7.6%	630	585	0	0	0	0	0	0
South Atlantic	1,800	1,900	-5.3%	1,550	1,609	200	239	1	2	49	50
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	19	20	-3.6%	19	20	0	0	0	0	0	0
Georgia	380	376	1.1%	377	374	NM	NM	0	0	NM	1
Maryland	142	182	-21.5%	0	0	142	182	0	0	0	0
North Carolina	657	691	-4.8%	648	679	8	10	1	2	NM	NM
South Carolina	319	332	-3.9%	311	324	7	8	0	0	0	0
Virginia	150	164	-8.2%	140	156	11	8	0	0	0	0
West Virginia	131	136	-3.7%	55	57	30	31	0	0	46	48
East South Central	2,745	2,752	-0.2%	2,744	2,751	NM	NM	0	0	0	0
Alabama	1,207	1,136	6.2%	1,207	1,136	0	0	0	0	0	0
Kentucky	425	461	-7.7%	424	460	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	1,113	1,155	-3.6%	1,113	1,155	0	0	0	0	0	0
West South Central	790	834	-5.3%	681	721	108	113	NM	NM	0	0
Arkansas	365	391	-6.7%	361	386	4	5	0	0	0	0
Louisiana	101	104	-3.6%	0	0	101	104	0	0	0	0
Oklahoma	234	243	-3.7%	234	243	0	0	0	0	0	0
Texas	91	96	-5.1%	87	92	4	3	NM	NM	0	0
Mountain	3,261	3,123	4.4%	3,129	2,999	126	118	NM	NM	0	0
Arizona	550	559	-1.8%	550	559	0	0	0	0	0	0
Colorado	176	174	0.8%	148	148	28	NM	0	1	0	0
Idaho	1,029	955	7.7%	954	885	75	70	0	0	0	0
Montana	1,204	1,103	9.2%	1,186	1,087	NM	NM	0	0	0	0
Nevada	79	121	-34.8%	74	116	NM	NM	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	87	83	5.1%	80	76	1	2	NM	NM	0	0
Wyoming	117	109	7.9%	117	109	0	0	0	0	0	0
Pacific Contiguous	13,039	11,814	10.4%	12,923	11,717	115	96	NM	NM	0	0
California	1,000	715	39.7%	947	678	NM	37	NM	NM	0	0
Oregon	3,753	3,464	8.3%	3,726	3,439	27	NM	0	0	0	0
Washington	8,286	7,634	8.5%	8,250	7,601	36	33	0	0	0	0
Pacific Noncontiguous	208	194	7.5%	181	166	1	3	NM	NM	NM	NM
Alaska	199	184	8.4%	180	166	0	0	NM	NM	0	0
Hawaii	NM	NM	NM	1	0	1	3	0	0	NM	NM
U.S. Total	27,017	25,814	4.7%	25,285	24,019	1,620	1,679	28	27	84	89

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

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

by State, by Sector, Year-to-Date through January 2022 and 2021 (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 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
New England	546	572	-4.6%	74	77	465	487	1	0	NM	7
Connecticut	27	29	-5.9%	3	4	24	25	0	0	0	0
Maine	256	270	-5.3%	NM	NM	249	263	0	0	NM	7
Massachusetts	71	73	-3.5%	13	14	57	59	1	0	0	0
New Hampshire	100	104	-3.9%	27	28	73	76	0	0	0	0
Rhode Island	0	1	-30.9%	0	0	0	1	0	0	0	0
Vermont	92	96	-3.9%	30	32	62	64	0	0	0	0
Middle Atlantic	2,599	2,740	-5.1%	2,066	2,183	528	550	1	1	4	6
New Jersey	1	3	-63.1%	0	0	1	3	0	0	0	0
New York	2,377	2,506	-5.2%	2,058	2,174	313	325	1	1	4	6
Pennsylvania	221	231	-4.4%	8	9	214	222	0	0	0	0
East North Central	573	533	7.5%	518	477	42	42	0	0	12	14
Illinois	9	12	-27.9%	4	5	NM	7	0	0	0	0
Indiana	22	23	-3.9%	22	23	0	0	0	0	0	0
Michigan	194	176	10.2%	185	167	NM	NM	0	0	NM	NM
Ohio	31	32	-3.8%	21	21	10	11	0	0	0	0
Wisconsin	317	290	9.5%	287	260	NM	NM	0	0	11	13
West North Central	1,457	1,353	7.6%	1,419	1,318	33	30	0	0	5	6
Iowa	126	109	15.5%	126	109	0	1	0	0	0	0
Kansas	2	2	1.0%	0	0	2	2	0	0	0	0
Minnesota	112	103	9.3%	78	70	30	27	0	0	5	6
Missouri	153	158	-3.3%	153	158	0	0	0	0	0	0
Nebraska	159	145	9.6%	159	145	0	0	0	0	0	0
North Dakota	275	251	9.4%	275	251	0	0	0	0	0	0
South Dakota	630	585	7.6%	630	585	0	0	0	0	0	0
South Atlantic	1,800	1,900	-5.3%	1,550	1,609	200	239	1	2	49	50
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	19	20	-3.6%	19	20	0	0	0	0	0	0
Georgia	380	376	1.1%	377	374	NM	NM	0	0	NM	1
Maryland	142	182	-21.5%	0	0	142	182	0	0	0	0
North Carolina	657	691	-4.8%	648	679	8	10	1	2	NM	NM
South Carolina	319	332	-3.9%	311	324	7	8	0	0	0	0
Virginia	150	164	-8.2%	140	156	11	8	0	0	0	0
West Virginia	131	136	-3.7%	55	57	30	31	0	0	46	48
East South Central	2,745	2,752	-0.2%	2,744	2,751	NM	NM	0	0	0	0
Alabama	1,207	1,136	6.2%	1,207	1,136	0	0	0	0	0	0
Kentucky	425	461	-7.7%	424	460	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	1,113	1,155	-3.6%	1,113	1,155	0	0	0	0	0	0
West South Central	790	834	-5.3%	681	721	108	113	NM	NM	0	0
Arkansas	365	391	-6.7%	361	386	4	5	0	0	0	0
Louisiana	101	104	-3.6%	0	0	101	104	0	0	0	0
Oklahoma	234	243	-3.7%	234	243	0	0	0	0	0	0
Texas	91	96	-5.1%	87	92	4	3	NM	NM	0	0
Mountain	3,261	3,123	4.4%	3,129	2,999	126	118	NM	NM	0	0
Arizona	550	559	-1.8%	550	559	0	0	0	0	0	0
Colorado	176	174	0.8%	148	148	28	NM	0	1	0	0
Idaho	1,029	955	7.7%	954	885	75	70	0	0	0	0
Montana	1,204	1,103	9.2%	1,186	1,087	NM	NM	0	0	0	0
Nevada	79	121	-34.8%	74	116	NM	NM	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	87	83	5.1%	80	76	1	2	NM	NM	0	0
Wyoming	117	109	7.9%	117	109	0	0	0	0	0	0
Pacific Contiguous	13,039	11,814	10.4%	12,923	11,717	115	96	NM	NM	0	0
California	1,000	715	39.7%	947	678	NM	37	NM	NM	0	0
Oregon	3,753	3,464	8.3%	3,726	3,439	27	NM	0	0	0	0
Washington	8,286	7,634	8.5%	8,250	7,601	36	33	0	0	0	0
Pacific Noncontiguous	208	194	7.5%	181	166	1	3	NM	NM	NM	NM
Alaska	199	184	8.4%	180	166	0	0	NM	NM	0	0
Hawaii	NM	NM	NM	1	0	1	3	0	0	NM	NM
U.S. Total	27,017	25,814	4.7%	25,285	24,019	1,620	1,679	28	27	84	89

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

Table 1.11.A. Utility Scale Facility Net Generation from Renewable Sources Excluding Hydroelectric by State, by Sector, January 2022 and 2021 (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 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
New England	1,074	1,000	7.3%	71	54	905	843	14	14	83	90
Connecticut	82	87	-6.1%	0	0	81	87	NM	NM	NM	NM
Maine	479	457	4.8%	0	0	392	363	4	4	83	90
Massachusetts	226	198	14.1%	10	11	210	182	5	5	NM	NM
New Hampshire	126	134	-5.5%	0	0	122	130	4	4	0	0
Rhode Island	60	50	20.0%	0	0	59	49	1	1	0	0
Vermont	100	74	35.0%	60	42	40	32	0	0	0	0
Middle Atlantic	1,390	1,198	16.0%	5	5	1,279	1,085	50	54	56	55
New Jersey	155	154	0.4%	5	5	126	127	24	23	NM	NM
New York	704	544	29.3%	0	0	671	512	15	18	18	15
Pennsylvania	531	500	6.3%	0	0	482	446	11	13	37	40
East North Central	5,242	3,596	45.8%	739	433	4,371	3,029	16	15	117	119
Illinois	2,324	1,585	46.6%	13	12	2,310	1,572	NM	NM	0	0
Indiana	1,061	724	46.6%	53	41	1,001	676	2	2	5	5
Michigan	1,122	799	40.6%	484	265	580	472	4	4	54	57
Ohio	405	259	56.5%	NM	NM	373	227	1	1	29	29
Wisconsin	330	230	43.5%	187	114	106	81	8	7	28	27
West North Central	12,998	9,600	35.4%	4,836	3,417	8,077	6,108	23	16	61	60
Iowa	4,324	3,085	40.2%	3,189	2,320	1,127	761	2	1	6	3
Kansas	2,595	2,154	20.5%	232	148	2,362	2,005	NM	NM	0	0
Minnesota	1,724	1,219	41.5%	483	243	1,173	912	15	9	54	55
Missouri	801	510	57.0%	228	124	570	383	3	4	0	0
Nebraska	1,106	770	43.7%	39	33	1,065	736	2	1	0	0
North Dakota	1,543	1,188	29.8%	546	425	996	762	0	0	NM	NM
South Dakota	905	674	34.2%	120	124	784	549	0	0	NM	NM
South Atlantic	3,988	3,504	13.8%	999	750	2,129	1,904	38	27	822	823
Delaware	10	10	-2.2%	NM	NM	8	8	1	1	1	1
District of Columbia	7	6	26.3%	0	0	NM	NM	5	5	0	0
Florida	1,049	893	17.4%	691	538	198	217	14	2	146	136
Georgia	883	744	18.7%	47	24	517	401	NM	NM	318	319
Maryland	122	126	-2.8%	NM	NM	119	122	3	3	0	0
North Carolina	876	768	14.0%	48	43	715	612	6	6	107	108
South Carolina	336	329	2.4%	6	6	194	184	0	0	137	138
Virginia	536	432	24.1%	207	138	207	161	9	12	113	121
West Virginia	170	198	-13.9%	0	0	170	198	0	0	0	0
East South Central	565	577	-2.0%	12	12	119	76	NM	NM	434	488
Alabama	296	319	-7.2%	NM	NM	53	21	0	0	241	296
Kentucky	34	33	3.3%	11	11	1	1	0	0	22	21
Mississippi	153	154	-0.6%	0	0	32	27	0	0	121	127
Tennessee	83	71	15.7%	NM	NM	32	26	NM	NM	50	45
West South Central	13,725	11,839	15.9%	176	145	13,180	11,299	7	5	362	390
Arkansas	132	119	10.7%	NM	NM	52	32	2	1	78	86
Louisiana	192	209	-8.3%	3	3	13	13	0	0	176	194
Oklahoma	3,064	2,807	9.2%	109	121	2,926	2,658	0	0	30	28
Texas	10,337	8,704	18.8%	64	21	10,190	8,597	5	4	77	82
Mountain	6,671	5,161	29.3%	1,375	964	5,202	4,028	67	53	27	115
Arizona	532	497	6.9%	39	39	491	457	NM	NM	0	0
Colorado	1,567	1,398	12.1%	393	348	1,173	1,049	NM	NM	0	0
Idaho	338	298	13.7%	20	16	290	249	3	3	26	30
Montana	370	290	27.3%	29	23	340	265	0	0	1	2
Nevada	901	687	31.2%	11	10	829	629	60	47	NM	0
New Mexico	1,480	900	64.5%	250	150	1,230	750	NM	NM	0	0
Utah	317	257	23.6%	17	16	299	240	1	1	0	0
Wyoming	1,166	834	39.8%	617	363	549	388	0	0	0	83
Pacific Contiguous	6,496	5,824	11.5%	614	577	5,607	4,964	79	78	197	205
California	4,772	4,278	11.5%	134	145	4,492	3,989	75	74	72	71
Oregon	827	724	14.2%	85	80	690	593	3	3	49	48
Washington	898	821	9.3%	395	352	425	382	1	1	76	86
Pacific Noncontiguous	120	146	-17.6%	16	14	84	112	20	19	NM	0
Alaska	17	14	24.6%	NM	NM	NM	NM	4	4	NM	0
Hawaii	103	132	-22.0%	8	8	79	108	16	16	0	0
U.S. Total	52,270	42,446	23.1%	8,844	6,370	40,953	33,448	314	282	2,159	2,346

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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 2022 and 2021 (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 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
New England	1,074	1,000	7.3%	71	54	905	843	14	14	83	90
Connecticut	82	87	-6.1%	0	0	81	87	NM	NM	NM	NM
Maine	479	457	4.8%	0	0	392	363	4	4	83	90
Massachusetts	226	198	14.1%	10	11	210	182	5	5	NM	NM
New Hampshire	126	134	-5.5%	0	0	122	130	4	4	0	0
Rhode Island	60	50	20.0%	0	0	59	49	1	1	0	0
Vermont	100	74	35.0%	60	42	40	32	0	0	0	0
Middle Atlantic	1,390	1,198	16.0%	5	5	1,279	1,085	50	54	56	55
New Jersey	155	154	0.4%	5	5	126	127	24	23	NM	NM
New York	704	544	29.3%	0	0	671	512	15	18	18	15
Pennsylvania	531	500	6.3%	0	0	482	446	11	13	37	40
East North Central	5,242	3,596	45.8%	739	433	4,371	3,029	16	15	117	119
Illinois	2,324	1,585	46.6%	13	12	2,310	1,572	NM	NM	0	0
Indiana	1,061	724	46.6%	53	41	1,001	676	2	2	5	5
Michigan	1,122	799	40.6%	484	265	580	472	4	4	54	57
Ohio	405	259	56.5%	NM	NM	373	227	1	1	29	29
Wisconsin	330	230	43.5%	187	114	106	81	8	7	28	27
West North Central	12,998	9,600	35.4%	4,836	3,417	8,077	6,108	23	16	61	60
Iowa	4,324	3,085	40.2%	3,189	2,320	1,127	761	2	1	6	3
Kansas	2,595	2,154	20.5%	232	148	2,362	2,005	NM	NM	0	0
Minnesota	1,724	1,219	41.5%	483	243	1,173	912	15	9	54	55
Missouri	801	510	57.0%	228	124	570	383	3	4	0	0
Nebraska	1,106	770	43.7%	39	33	1,065	736	2	1	0	0
North Dakota	1,543	1,188	29.8%	546	425	996	762	0	0	NM	NM
South Dakota	905	674	34.2%	120	124	784	549	0	0	NM	NM
South Atlantic	3,988	3,504	13.8%	999	750	2,129	1,904	38	27	822	823
Delaware	10	10	-2.2%	NM	NM	8	8	1	1	1	1
District of Columbia	7	6	26.3%	0	0	NM	NM	5	5	0	0
Florida	1,049	893	17.4%	691	538	198	217	14	2	146	136
Georgia	883	744	18.7%	47	24	517	401	NM	NM	318	319
Maryland	122	126	-2.8%	NM	NM	119	122	3	3	0	0
North Carolina	876	768	14.0%	48	43	715	612	6	6	107	108
South Carolina	336	329	2.4%	6	6	194	184	0	0	137	138
Virginia	536	432	24.1%	207	138	207	161	9	12	113	121
West Virginia	170	198	-13.9%	0	0	170	198	0	0	0	0
East South Central	565	577	-2.0%	12	12	119	76	NM	NM	434	488
Alabama	296	319	-7.2%	NM	NM	53	21	0	0	241	296
Kentucky	34	33	3.3%	11	11	1	1	0	0	22	21
Mississippi	153	154	-0.6%	0	0	32	27	0	0	121	127
Tennessee	83	71	15.7%	NM	NM	32	26	NM	NM	50	45
West South Central	13,725	11,839	15.9%	176	145	13,180	11,299	7	5	362	390
Arkansas	132	119	10.7%	NM	NM	52	32	2	1	78	86
Louisiana	192	209	-8.3%	3	3	13	13	0	0	176	194
Oklahoma	3,064	2,807	9.2%	109	121	2,926	2,658	0	0	30	28
Texas	10,337	8,704	18.8%	64	21	10,190	8,597	5	4	77	82
Mountain	6,671	5,161	29.3%	1,375	964	5,202	4,028	67	53	27	115
Arizona	532	497	6.9%	39	39	491	457	NM	NM	0	0
Colorado	1,567	1,398	12.1%	393	348	1,173	1,049	NM	NM	0	0
Idaho	338	298	13.7%	20	16	290	249	3	3	26	30
Montana	370	290	27.3%	29	23	340	265	0	0	1	2
Nevada	901	687	31.2%	11	10	829	629	60	47	NM	0
New Mexico	1,480	900	64.5%	250	150	1,230	750	NM	NM	0	0
Utah	317	257	23.6%	17	16	299	240	1	1	0	0
Wyoming	1,166	834	39.8%	617	363	549	388	0	0	0	83
Pacific Contiguous	6,496	5,824	11.5%	614	577	5,607	4,964	79	78	197	205
California	4,772	4,278	11.5%	134	145	4,492	3,989	75	74	72	71
Oregon	827	724	14.2%	85	80	690	593	3	3	49	48
Washington	898	821	9.3%	395	352	425	382	1	1	76	86
Pacific Noncontiguous	120	146	-17.6%	16	14	84	112	20	19	NM	0
Alaska	17	14	24.6%	NM	NM	NM	NM	4	4	NM	0
Hawaii	103	132	-22.0%	8	8	79	108	16	16	0	0
U.S. Total	52,270	42,446	23.1%	8,844	6,370	40,953	33,448	314	282	2,159	2,346

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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 1.12.A. Utility Scale Facility Net Generation from Hydroelectric (Pumped Storage) Power by State, by Sector, January 2022 and 2021 (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 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
New England	-10	-24	-57.1%	0	0	-10	-24	0	0	0	0
Connecticut	8	9	-17.3%	0	0	8	9	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-18	-33	-46.2%	0	0	-18	-33	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	-97	-92	6.2%	-45	-31	-52	-60	0	0	0	0
New Jersey	-10	-7	46.9%	-10	-7	0	0	0	0	0	0
New York	-35	-24	44.3%	-35	-24	0	0	0	0	0	0
Pennsylvania	-52	-60	-13.8%	0	0	-52	-60	0	0	0	0
East North Central	-43	-55	-22.5%	-43	-55	0	0	0	0	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	-43	-55	-22.5%	-43	-55	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	-1	-3	-49.7%	-1	-3	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	-1	-3	-49.7%	-1	-3	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	-199	-137	45.5%	-199	-137	0	0	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	-43	-10	318.3%	-43	-10	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	-75	-50	51.4%	-75	-50	0	0	0	0	0	0
Virginia	-81	-77	5.2%	-81	-77	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-56	-49	14.7%	-56	-49	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	-56	-49	14.7%	-56	-49	0	0	0	0	0	0
West South Central	-3	-5	-49.6%	-3	-5	0	0	0	0	0	0
Arkansas	1	1	-8.1%	1	1	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-3	-6	-43.1%	-3	-6	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-21	-35	-41.5%	-21	-35	0	0	0	0	0	0
Arizona	-12	-17	-30.3%	-12	-17	0	0	0	0	0	0
Colorado	-9	-18	-52.3%	-9	-18	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	-63	-24	158.0%	-63	-24	0	0	0	0	0	0
California	-64	-24	170.7%	-64	-24	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	1	-1	-276.4%	1	-1	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	-493	-424	16.3%	-431	-340	-62	-85	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 2022 and 2021 (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 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
New England	-10	-24	-57.1%	0	0	-10	-24	0	0	0	0
Connecticut	8	9	-17.3%	0	0	8	9	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-18	-33	-46.2%	0	0	-18	-33	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	-97	-92	6.2%	-45	-31	-52	-60	0	0	0	0
New Jersey	-10	-7	46.9%	-10	-7	0	0	0	0	0	0
New York	-35	-24	44.3%	-35	-24	0	0	0	0	0	0
Pennsylvania	-52	-60	-13.8%	0	0	-52	-60	0	0	0	0
East North Central	-43	-55	-22.5%	-43	-55	0	0	0	0	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	-43	-55	-22.5%	-43	-55	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	-1	-3	-49.7%	-1	-3	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	-1	-3	-49.7%	-1	-3	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	-199	-137	45.5%	-199	-137	0	0	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	-43	-10	318.3%	-43	-10	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	-75	-50	51.4%	-75	-50	0	0	0	0	0	0
Virginia	-81	-77	5.2%	-81	-77	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-56	-49	14.7%	-56	-49	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	-56	-49	14.7%	-56	-49	0	0	0	0	0	0
West South Central	-3	-5	-49.6%	-3	-5	0	0	0	0	0	0
Arkansas	1	1	-8.1%	1	1	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-3	-6	-43.1%	-3	-6	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-21	-35	-41.5%	-21	-35	0	0	0	0	0	0
Arizona	-12	-17	-30.3%	-12	-17	0	0	0	0	0	0
Colorado	-9	-18	-52.3%	-9	-18	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	-63	-24	158.0%	-63	-24	0	0	0	0	0	0
California	-64	-24	170.7%	-64	-24	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	1	-1	-276.4%	1	-1	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	-493	-424	16.3%	-431	-340	-62	-85	0	0	0	0

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

Table 1.13.A. Utility Scale Facility Net Generation from Other Energy Sources by State, by Sector, January 2022 and 2021 (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 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
New England	155	160	-3.2%	0	0	141	144	5	4	9	12
Connecticut	45	47	-3.6%	0	0	45	47	0	0	0	0
Maine	25	29	-14.5%	0	0	11	13	5	4	9	12
Massachusetts	81	80	1.4%	0	0	81	80	0	0	0	0
New Hampshire	4	4	-11.3%	0	0	4	4	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	259.8%	0	0	0	0	0	0	0	0
Middle Atlantic	201	217	-7.3%	0	0	156	164	42	47	3	6
New Jersey	46	58	-20.7%	0	0	28	36	15	16	3	6
New York	79	79	0.0%	0	0	62	58	17	21	0	0
Pennsylvania	76	80	-4.7%	0	0	67	70	10	10	0	0
East North Central	72	82	-12.0%	2	2	6	5	7	7	57	68
Illinois	18	23	-21.2%	0	0	-1	-1	0	0	19	24
Indiana	38	43	-11.3%	0	0	0	0	2	2	36	41
Michigan	13	13	2.1%	0	0	7	6	5	5	2	2
Ohio	1	1	-20.0%	0	0	0	0	0	0	1	1
Wisconsin	2	2	-10.5%	2	2	0	0	0	0	0	0
West North Central	29	30	-2.2%	13	13	13	13	3	3	0	0
Iowa	0	0	-100.0%	0	0	0	0	0	0	0	0
Kansas	0	0	0.5%	0	0	0	0	0	0	0	0
Minnesota	25	26	-3.5%	9	10	13	13	3	3	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	3	7.7%	3	3	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	320	378	-15.4%	-1	0	177	222	24	13	120	144
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	234	262	-10.8%	-1	0	125	148	15	0	95	114
Georgia	6	7	-13.4%	0	0	0	0	0	0	6	7
Maryland	24	31	-21.5%	0	0	24	31	0	0	0	0
North Carolina	16	37	-58.1%	0	0	0	17	0	0	16	20
South Carolina	4	4	-0.1%	0	0	1	1	0	0	4	3
Virginia	38	39	-3.0%	0	0	29	27	9	13	0	0
West Virginia	-1	-1	-28.6%	0	0	-1	-1	0	0	0	0
East South Central	4	8	-52.9%	3	7	0	0	0	0	NM	NM
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	3	7	-54.4%	3	7	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	88	79	11.5%	0	0	-1	7	0	0	88	72
Arkansas	1	1	-18.4%	0	0	0	0	0	0	1	1
Louisiana	42	29	47.2%	0	0	0	0	0	0	42	29
Oklahoma	0	0	274.7%	0	0	0	0	0	0	0	0
Texas	45	49	-8.7%	0	0	-1	7	0	0	45	42
Mountain	59	61	-2.5%	7	8	24	26	0	0	28	26
Arizona	-1	0	51.3%	0	0	0	0	0	0	0	0
Colorado	4	4	3.7%	0	0	0	0	0	0	4	4
Idaho	5	0	--	0	0	0	0	0	0	5	0
Montana	25	27	-4.7%	0	0	25	27	0	0	0	0
Nevada	2	3	-42.8%	2	3	0	0	0	0	0	0
New Mexico	0	0	-42.9%	0	0	0	0	0	0	0	0
Utah	16	21	-22.6%	5	5	0	0	0	0	11	16
Wyoming	8	7	17.6%	0	0	0	0	0	0	8	7
Pacific Contiguous	58	59	-1.7%	-1	-1	12	23	0	0	46	37
California	50	49	2.6%	-1	-1	5	13	0	0	46	37
Oregon	3	4	-28.3%	0	0	3	4	0	0	0	0
Washington	5	6	-21.0%	0	0	5	6	0	0	0	0
Pacific Noncontiguous	31	32	-1.1%	12	13	0	0	19	19	0	0
Alaska	0	0	-59.4%	0	0	0	0	0	0	0	0
Hawaii	31	32	-1.5%	13	13	0	0	19	19	0	0
U.S. Total	1,017	1,105	-7.9%	35	42	529	603	100	93	354	367

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

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

by State, by Sector, Year-to-Date through January 2022 and 2021 (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 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
New England	155	160	-3.2%	0	0	141	144	5	4	9	12
Connecticut	45	47	-3.6%	0	0	45	47	0	0	0	0
Maine	25	29	-14.5%	0	0	11	13	5	4	9	12
Massachusetts	81	80	1.4%	0	0	81	80	0	0	0	0
New Hampshire	4	4	-11.3%	0	0	4	4	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	259.8%	0	0	0	0	0	0	0	0
Middle Atlantic	201	217	-7.3%	0	0	156	164	42	47	3	6
New Jersey	46	58	-20.7%	0	0	28	36	15	16	3	6
New York	79	79	0.0%	0	0	62	58	17	21	0	0
Pennsylvania	76	80	-4.7%	0	0	67	70	10	10	0	0
East North Central	72	82	-12.0%	2	2	6	5	7	7	57	68
Illinois	18	23	-21.2%	0	0	-1	-1	0	0	19	24
Indiana	38	43	-11.3%	0	0	0	0	2	2	36	41
Michigan	13	13	2.1%	0	0	7	6	5	5	2	2
Ohio	1	1	-20.0%	0	0	0	0	0	0	1	1
Wisconsin	2	2	-10.5%	2	2	0	0	0	0	0	0
West North Central	29	30	-2.2%	13	13	13	13	3	3	0	0
Iowa	0	0	-100.0%	0	0	0	0	0	0	0	0
Kansas	0	0	0.5%	0	0	0	0	0	0	0	0
Minnesota	25	26	-3.5%	9	10	13	13	3	3	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	3	7.7%	3	3	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	320	378	-15.4%	-1	0	177	222	24	13	120	144
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	234	262	-10.8%	-1	0	125	148	15	0	95	114
Georgia	6	7	-13.4%	0	0	0	0	0	0	6	7
Maryland	24	31	-21.5%	0	0	24	31	0	0	0	0
North Carolina	16	37	-58.1%	0	0	0	17	0	0	16	20
South Carolina	4	4	-0.1%	0	0	1	1	0	0	4	3
Virginia	38	39	-3.0%	0	0	29	27	9	13	0	0
West Virginia	-1	-1	-28.6%	0	0	-1	-1	0	0	0	0
East South Central	4	8	-52.9%	3	7	0	0	0	0	NM	NM
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	3	7	-54.4%	3	7	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	88	79	11.5%	0	0	-1	7	0	0	88	72
Arkansas	1	1	-18.4%	0	0	0	0	0	0	1	1
Louisiana	42	29	47.2%	0	0	0	0	0	0	42	29
Oklahoma	0	0	274.7%	0	0	0	0	0	0	0	0
Texas	45	49	-8.7%	0	0	-1	7	0	0	45	42
Mountain	59	61	-2.5%	7	8	24	26	0	0	28	26
Arizona	-1	0	51.3%	0	0	0	0	0	0	0	0
Colorado	4	4	3.7%	0	0	0	0	0	0	4	4
Idaho	5	0	--	0	0	0	0	0	0	5	0
Montana	25	27	-4.7%	0	0	25	27	0	0	0	0
Nevada	2	3	-42.8%	2	3	0	0	0	0	0	0
New Mexico	0	0	-42.9%	0	0	0	0	0	0	0	0
Utah	16	21	-22.6%	5	5	0	0	0	0	11	16
Wyoming	8	7	17.6%	0	0	0	0	0	0	8	7
Pacific Contiguous	58	59	-1.7%	-1	-1	12	23	0	0	46	37
California	50	49	2.6%	-1	-1	5	13	0	0	46	37
Oregon	3	4	-28.3%	0	0	3	4	0	0	0	0
Washington	5	6	-21.0%	0	0	5	6	0	0	0	0
Pacific Noncontiguous	31	32	-1.1%	12	13	0	0	19	19	0	0
Alaska	0	0	-59.4%	0	0	0	0	0	0	0	0
Hawaii	31	32	-1.5%	13	13	0	0	19	19	0	0
U.S. Total	1,017	1,105	-7.9%	35	42	529	603	100	93	354	367

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

Table 1.14.A. Utility Scale Facility Net Generation from Wind by State, by Sector, January 2022 and 2021 (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 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
New England	419	350	19.5%	22	20	393	327	3	3	0	0
Connecticut	1	2	-20.3%	0	0	1	2	0	0	0	0
Maine	293	247	18.5%	0	0	293	247	0	0	0	0
Massachusetts	18	16	16.1%	4	6	12	7	2	2	0	0
New Hampshire	47	44	6.4%	0	0	47	44	0	0	0	0
Rhode Island	21	20	7.4%	0	0	21	19	1	1	0	0
Vermont	38	22	74.7%	18	14	20	8	0	0	0	0
Middle Atlantic	822	636	29.3%	0	0	822	635	NM	NM	0	0
New Jersey	2	2	30.9%	0	0	2	2	0	0	0	0
New York	449	315	42.7%	0	0	449	314	NM	NM	0	0
Pennsylvania	370	319	16.1%	0	0	370	319	0	0	0	0
East North Central	4,570	3,075	48.6%	601	334	3,956	2,730	NM	NM	NM	NM
Illinois	2,219	1,537	44.4%	NM	NM	2,217	1,536	NM	NM	0	0
Indiana	965	661	45.9%	0	0	965	661	0	0	0	0
Michigan	889	571	55.7%	481	262	409	309	0	0	0	0
Ohio	313	189	66.1%	NM	NM	302	180	0	0	NM	NM
Wisconsin	184	117	57.3%	118	70	63	44	NM	NM	1	1
West North Central	12,706	9,336	36.1%	4,806	3,390	7,896	5,942	NM	NM	0	0
Iowa	4,294	3,060	40.3%	3,183	2,317	1,110	743	1	0	0	0
Kansas	2,586	2,145	20.6%	232	147	2,353	1,997	NM	NM	0	0
Minnesota	1,502	1,016	47.9%	469	231	1,031	783	NM	NM	0	0
Missouri	784	495	58.5%	224	120	560	375	0	0	0	0
Nebraska	1,094	759	44.1%	32	25	1,062	734	0	0	0	0
North Dakota	1,542	1,188	29.9%	546	425	996	762	0	0	0	0
South Dakota	904	673	34.2%	120	124	783	549	0	0	0	0
South Atlantic	296	305	-3.0%	6	4	290	301	1	1	0	0
Delaware	1	1	29.2%	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	56	58	-3.3%	0	0	56	58	0	0	0	0
North Carolina	64	46	40.9%	0	0	64	46	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	6	4	33.5%	6	4	0	0	0	0	0	0
West Virginia	170	197	-13.9%	0	0	170	197	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	11,957	10,718	11.6%	124	138	11,826	10,576	5	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	3,027	2,773	9.2%	104	117	2,923	2,656	0	0	0	0
Texas	8,930	7,945	12.4%	20	20	8,903	7,920	5	4	NM	NM
Mountain	4,767	3,648	30.7%	1,282	876	3,485	2,689	NM	NM	0	83
Arizona	106	126	-15.3%	0	0	106	126	0	0	0	0
Colorado	1,416	1,302	8.8%	392	347	1,024	955	0	0	0	0
Idaho	269	224	20.3%	18	14	251	209	0	0	0	0
Montana	366	286	28.0%	28	22	339	264	0	0	0	0
Nevada	27	31	-15.1%	0	0	27	31	0	0	0	0
New Mexico	1,365	792	72.3%	227	129	1,138	663	NM	NM	0	0
Utah	60	61	-1.0%	0	0	60	61	0	0	0	0
Wyoming	1,156	826	40.0%	617	363	540	380	0	0	0	83
Pacific Contiguous	2,613	2,313	13.0%	487	445	2,126	1,867	1	1	0	0
California	1,187	1,065	11.4%	35	46	1,151	1,018	1	1	0	0
Oregon	638	552	15.5%	79	74	558	478	0	0	0	0
Washington	789	696	13.3%	372	325	417	372	0	0	0	0
Pacific Noncontiguous	39	68	-42.2%	NM	NM	31	62	0	0	0	0
Alaska	14	10	32.3%	NM	NM	NM	NM	0	0	0	0
Hawaii	26	58	-55.4%	0	0	26	58	0	0	0	0
U.S. Total	38,194	30,452	25.4%	7,335	5,213	30,828	25,132	18	14	NM	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 1.14.B. Utility Scale Facility Net Generation from Wind

by State, by Sector, Year-to-Date through January 2022 and 2021 (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 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
New England	419	350	19.5%	22	20	393	327	3	3	0	0
Connecticut	1	2	-20.3%	0	0	1	2	0	0	0	0
Maine	293	247	18.5%	0	0	293	247	0	0	0	0
Massachusetts	18	16	16.1%	4	6	12	7	2	2	0	0
New Hampshire	47	44	6.4%	0	0	47	44	0	0	0	0
Rhode Island	21	20	7.4%	0	0	21	19	1	1	0	0
Vermont	38	22	74.7%	18	14	20	8	0	0	0	0
Middle Atlantic	822	636	29.3%	0	0	822	635	NM	NM	0	0
New Jersey	2	2	30.9%	0	0	2	2	0	0	0	0
New York	449	315	42.7%	0	0	449	314	NM	NM	0	0
Pennsylvania	370	319	16.1%	0	0	370	319	0	0	0	0
East North Central	4,570	3,075	48.6%	601	334	3,956	2,730	NM	NM	NM	NM
Illinois	2,219	1,537	44.4%	NM	NM	2,217	1,536	NM	NM	0	0
Indiana	965	661	45.9%	0	0	965	661	0	0	0	0
Michigan	889	571	55.7%	481	262	409	309	0	0	0	0
Ohio	313	189	66.1%	NM	NM	302	180	0	0	NM	NM
Wisconsin	184	117	57.3%	118	70	63	44	NM	NM	1	1
West North Central	12,706	9,336	36.1%	4,806	3,390	7,896	5,942	NM	NM	0	0
Iowa	4,294	3,060	40.3%	3,183	2,317	1,110	743	1	0	0	0
Kansas	2,586	2,145	20.6%	232	147	2,353	1,997	NM	NM	0	0
Minnesota	1,502	1,016	47.9%	469	231	1,031	783	NM	NM	0	0
Missouri	784	495	58.5%	224	120	560	375	0	0	0	0
Nebraska	1,094	759	44.1%	32	25	1,062	734	0	0	0	0
North Dakota	1,542	1,188	29.9%	546	425	996	762	0	0	0	0
South Dakota	904	673	34.2%	120	124	783	549	0	0	0	0
South Atlantic	296	305	-3.0%	6	4	290	301	1	1	0	0
Delaware	1	1	29.2%	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	56	58	-3.3%	0	0	56	58	0	0	0	0
North Carolina	64	46	40.9%	0	0	64	46	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	6	4	33.5%	6	4	0	0	0	0	0	0
West Virginia	170	197	-13.9%	0	0	170	197	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	11,957	10,718	11.6%	124	138	11,826	10,576	5	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	3,027	2,773	9.2%	104	117	2,923	2,656	0	0	0	0
Texas	8,930	7,945	12.4%	20	20	8,903	7,920	5	4	NM	NM
Mountain	4,767	3,648	30.7%	1,282	876	3,485	2,689	NM	NM	0	83
Arizona	106	126	-15.3%	0	0	106	126	0	0	0	0
Colorado	1,416	1,302	8.8%	392	347	1,024	955	0	0	0	0
Idaho	269	224	20.3%	18	14	251	209	0	0	0	0
Montana	366	286	28.0%	28	22	339	264	0	0	0	0
Nevada	27	31	-15.1%	0	0	27	31	0	0	0	0
New Mexico	1,365	792	72.3%	227	129	1,138	663	NM	NM	0	0
Utah	60	61	-1.0%	0	0	60	61	0	0	0	0
Wyoming	1,156	826	40.0%	617	363	540	380	0	0	0	83
Pacific Contiguous	2,613	2,313	13.0%	487	445	2,126	1,867	1	1	0	0
California	1,187	1,065	11.4%	35	46	1,151	1,018	1	1	0	0
Oregon	638	552	15.5%	79	74	558	478	0	0	0	0
Washington	789	696	13.3%	372	325	417	372	0	0	0	0
Pacific Noncontiguous	39	68	-42.2%	NM	NM	31	62	0	0	0	0
Alaska	14	10	32.3%	NM	NM	NM	NM	0	0	0	0
Hawaii	26	58	-55.4%	0	0	26	58	0	0	0	0
U.S. Total	38,194	30,452	25.4%	7,335	5,213	30,828	25,132	18	14	NM	93

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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 2022 and 2021 (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 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
New England	472	513	-8.1%	41	28	338	386	10	10	83	90
Connecticut	59	70	-16.0%	0	0	59	70	0	0	0	0
Maine	172	204	-15.8%	0	0	85	110	4	4	83	90
Massachusetts	88	91	-3.2%	0	0	86	89	2	2	0	0
New Hampshire	79	89	-11.5%	0	0	75	86	4	4	0	0
Rhode Island	20	13	59.4%	0	0	20	13	0	0	0	0
Vermont	54	46	16.9%	41	28	NM	18	0	0	0	0
Middle Atlantic	365	401	-8.8%	0	0	273	303	38	44	54	54
New Jersey	58	69	-16.8%	0	0	44	55	14	14	0	0
New York	164	166	-1.1%	0	0	132	135	14	17	18	14
Pennsylvania	144	166	-13.2%	0	0	96	113	11	13	37	40
East North Central	424	443	-4.4%	84	75	222	246	12	12	106	110
Illinois	32	35	-7.4%	12	11	21	24	0	0	0	0
Indiana	37	39	-3.5%	25	27	5	5	2	2	5	5
Michigan	195	207	-5.5%	0	0	137	145	4	4	54	57
Ohio	50	61	-17.8%	0	0	31	39	1	1	19	21
Wisconsin	108	102	6.5%	47	36	29	33	5	5	28	27
West North Central	152	147	3.0%	23	24	48	51	19	12	61	60
Iowa	18	16	8.4%	2	2	9	10	2	1	6	3
Kansas	5	6	-5.8%	0	0	5	6	0	0	0	0
Minnesota	110	105	3.8%	12	11	31	32	12	7	54	55
Missouri	10	11	-9.6%	3	3	3	4	3	4	0	0
Nebraska	8	8	6.5%	7	7	0	0	2	1	0	0
North Dakota	NM	NM	NM	0	0	0	0	0	0	NM	NM
South Dakota	NM	NM	NM	0	0	0	0	0	0	NM	NM
South Atlantic	1,489	1,592	-6.5%	118	129	521	620	29	19	821	823
Delaware	6	6	-4.4%	0	0	5	5	0	0	1	1
District of Columbia	5	5	12.3%	0	0	0	0	5	5	0	0
Florida	304	349	-13.0%	10	56	134	156	14	1	146	136
Georgia	467	492	-5.1%	0	0	149	172	0	0	318	319
Maryland	25	32	-21.1%	0	0	24	31	2	2	0	0
North Carolina	176	206	-14.4%	0	0	69	98	NM	NM	107	108
South Carolina	194	211	-8.1%	5	6	52	67	0	0	137	138
Virginia	311	290	7.1%	102	67	87	91	9	12	113	121
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	454	509	-10.9%	8	9	12	13	0	0	434	488
Alabama	244	299	-18.6%	0	0	3	3	0	0	241	296
Kentucky	31	30	2.6%	8	9	1	1	0	0	22	21
Mississippi	122	128	-4.4%	0	0	NM	NM	0	0	121	127
Tennessee	57	52	9.4%	0	0	7	7	0	0	50	45
West South Central	441	435	1.6%	42	0	39	45	0	0	359	389
Arkansas	86	95	-9.9%	0	0	8	9	0	0	77	86
Louisiana	181	199	-8.9%	0	0	5	5	0	0	176	194
Oklahoma	32	29	7.8%	0	0	2	2	0	0	30	28
Texas	143	111	28.4%	42	0	25	30	0	0	75	82
Mountain	86	99	-13.3%	2	3	53	61	4	4	27	32
Arizona	NM	23	NM	0	0	NM	23	0	0	0	0
Colorado	15	15	2.1%	0	0	15	15	0	0	0	0
Idaho	39	43	-10.6%	1	2	9	9	3	3	26	30
Montana	2	3	-25.0%	NM	NM	0	0	0	0	1	2
Nevada	5	5	-7.0%	0	0	5	5	0	0	0	0
New Mexico	2	3	-14.7%	0	0	2	3	0	0	0	0
Utah	6	7	-5.6%	0	0	5	6	1	1	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	662	727	-8.9%	28	40	379	419	66	68	188	200
California	466	512	-9.1%	1	7	340	375	62	64	63	66
Oregon	89	91	-2.5%	5	5	32	35	3	3	49	48
Washington	107	123	-13.0%	22	27	8	9	1	1	76	86
Pacific Noncontiguous	29	31	-7.0%	3	3	7	9	19	19	NM	0
Alaska	4	4	2.7%	0	0	0	0	4	4	NM	0
Hawaii	25	27	-8.3%	3	3	7	9	15	16	0	0
U.S. Total	4,573	4,897	-6.6%	350	309	1,891	2,154	198	188	2,134	2,246

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

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

by State, by Sector, Year-to-Date through January 2022 and 2021 (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 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
New England	472	513	-8.1%	41	28	338	386	10	10	83	90
Connecticut	59	70	-16.0%	0	0	59	70	0	0	0	0
Maine	172	204	-15.8%	0	0	85	110	4	4	83	90
Massachusetts	88	91	-3.2%	0	0	86	89	2	2	0	0
New Hampshire	79	89	-11.5%	0	0	75	86	4	4	0	0
Rhode Island	20	13	59.4%	0	0	20	13	0	0	0	0
Vermont	54	46	16.9%	41	28	NM	18	0	0	0	0
Middle Atlantic	365	401	-8.8%	0	0	273	303	38	44	54	54
New Jersey	58	69	-16.8%	0	0	44	55	14	14	0	0
New York	164	166	-1.1%	0	0	132	135	14	17	18	14
Pennsylvania	144	166	-13.2%	0	0	96	113	11	13	37	40
East North Central	424	443	-4.4%	84	75	222	246	12	12	106	110
Illinois	32	35	-7.4%	12	11	21	24	0	0	0	0
Indiana	37	39	-3.5%	25	27	5	5	2	2	5	5
Michigan	195	207	-5.5%	0	0	137	145	4	4	54	57
Ohio	50	61	-17.8%	0	0	31	39	1	1	19	21
Wisconsin	108	102	6.5%	47	36	29	33	5	5	28	27
West North Central	152	147	3.0%	23	24	48	51	19	12	61	60
Iowa	18	16	8.4%	2	2	9	10	2	1	6	3
Kansas	5	6	-5.8%	0	0	5	6	0	0	0	0
Minnesota	110	105	3.8%	12	11	31	32	12	7	54	55
Missouri	10	11	-9.6%	3	3	3	4	3	4	0	0
Nebraska	8	8	6.5%	7	7	0	0	2	1	0	0
North Dakota	NM	NM	NM	0	0	0	0	0	0	NM	NM
South Dakota	NM	NM	NM	0	0	0	0	0	0	NM	NM
South Atlantic	1,489	1,592	-6.5%	118	129	521	620	29	19	821	823
Delaware	6	6	-4.4%	0	0	5	5	0	0	1	1
District of Columbia	5	5	12.3%	0	0	0	0	5	5	0	0
Florida	304	349	-13.0%	10	56	134	156	14	1	146	136
Georgia	467	492	-5.1%	0	0	149	172	0	0	318	319
Maryland	25	32	-21.1%	0	0	24	31	2	2	0	0
North Carolina	176	206	-14.4%	0	0	69	98	NM	NM	107	108
South Carolina	194	211	-8.1%	5	6	52	67	0	0	137	138
Virginia	311	290	7.1%	102	67	87	91	9	12	113	121
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	454	509	-10.9%	8	9	12	13	0	0	434	488
Alabama	244	299	-18.6%	0	0	3	3	0	0	241	296
Kentucky	31	30	2.6%	8	9	1	1	0	0	22	21
Mississippi	122	128	-4.4%	0	0	NM	NM	0	0	121	127
Tennessee	57	52	9.4%	0	0	7	7	0	0	50	45
West South Central	441	435	1.6%	42	0	39	45	0	0	359	389
Arkansas	86	95	-9.9%	0	0	8	9	0	0	77	86
Louisiana	181	199	-8.9%	0	0	5	5	0	0	176	194
Oklahoma	32	29	7.8%	0	0	2	2	0	0	30	28
Texas	143	111	28.4%	42	0	25	30	0	0	75	82
Mountain	86	99	-13.3%	2	3	53	61	4	4	27	32
Arizona	NM	23	NM	0	0	NM	23	0	0	0	0
Colorado	15	15	2.1%	0	0	15	15	0	0	0	0
Idaho	39	43	-10.6%	1	2	9	9	3	3	26	30
Montana	2	3	-25.0%	NM	NM	0	0	0	0	1	2
Nevada	5	5	-7.0%	0	0	5	5	0	0	0	0
New Mexico	2	3	-14.7%	0	0	2	3	0	0	0	0
Utah	6	7	-5.6%	0	0	5	6	1	1	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	662	727	-8.9%	28	40	379	419	66	68	188	200
California	466	512	-9.1%	1	7	340	375	62	64	63	66
Oregon	89	91	-2.5%	5	5	32	35	3	3	49	48
Washington	107	123	-13.0%	22	27	8	9	1	1	76	86
Pacific Noncontiguous	29	31	-7.0%	3	3	7	9	19	19	NM	0
Alaska	4	4	2.7%	0	0	0	0	4	4	NM	0
Hawaii	25	27	-8.3%	3	3	7	9	15	16	0	0
U.S. Total	4,573	4,897	-6.6%	350	309	1,891	2,154	198	188	2,134	2,246

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 1.16.A. Utility Scale Facility Net Generation from Geothermal by State, by Sector, January 2022 and 2021 (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 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
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	417	388	7.5%	17	16	343	329	57	44	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	4.4%	0	0	7	7	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	372	344	8.1%	0	0	315	300	57	44	0	0
New Mexico	5	7	-21.8%	0	0	5	7	0	0	0	0
Utah	33	31	8.1%	17	16	16	15	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,067	970	9.9%	70	65	997	905	0	0	0	0
California	1,048	952	10.1%	70	65	979	887	0	0	0	0
Oregon	18	18	0.0%	0	0	18	18	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	1,500	1,372	9.3%	87	81	1,356	1,247	57	44	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 1.16.B. Utility Scale Facility Net Generation from Geothermal

by State, by Sector, Year-to-Date through January 2022 and 2021 (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 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 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	417	388	7.5%	17	16	343	329	57	44	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	4.4%	0	0	7	7	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	372	344	8.1%	0	0	315	300	57	44	0	0
New Mexico	5	7	-21.8%	0	0	5	7	0	0	0	0
Utah	33	31	8.1%	17	16	16	15	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,067	970	9.9%	70	65	997	905	0	0	0	0
California	1,048	952	10.1%	70	65	979	887	0	0	0	0
Oregon	18	18	0.0%	0	0	18	18	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	1,500	1,372	9.3%	87	81	1,356	1,247	57	44	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 1.17.A. Net Generation from Solar Photovoltaic by State, by Sector, January 2022 and 2021 (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 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
New England	446	376	18.7%	183	137	263	239	8	6	174	130	NM	NM	NM	NM	148	137	NM	NM	NM	NM	9	9	105	92
Connecticut	77	59	29.7%	21	15	56	45	0	0	21	15	NM	NM	NM	NM	22	18	NM	NM	NM	NM	3	3	31	24
Maine	26	12	111.7%	14	6	12	7	0	0	14	6	8	3	0	0	8	3	0	0	0	0	0	0	5	4
Massachusetts	267	237	12.3%	120	91	147	146	7	5	113	86	NM	NM	NM	NM	92	93	NM	NM	NM	NM	6	6	50	47
New Hampshire	NM	11	NM	NM	NM	13	11	0	0	NM	NM	5	4	0	0	5	4	1	1	0	0	1	1	7	6
Rhode Island	43	39	12.0%	19	18	25	21	0	0	19	18	18	16	0	0	18	16	0	0	0	0	0	0	6	5
Vermont	19	17	11.9%	9	7	10	10	1	1	8	6	4	4	0	0	4	4	0	0	0	0	0	0	6	6
Middle Atlantic	580	494	17.4%	202	162	377	332	5	5	185	147	200	170	11	9	189	160	NM	NM	NM	NM	18	18	170	153
New Jersey	256	239	7.3%	95	83	161	156	5	5	79	70	90	83	10	9	80	75	NM	NM	NM	NM	12	13	69	68
New York	263	203	29.7%	91	64	172	139	0	0	90	63	NM	NM	NM	NM	95	73	NM	NM	NM	NM	1	1	76	64
Pennsylvania	60	52	15.8%	17	15	44	37	0	0	16	14	NM	NM	NM	NM	14	12	NM	NM	NM	NM	5	5	25	21
East North Central	347	150	130.8%	248	78	99	72	54	25	193	52	NM	NM	NM	NM	56	40	4	3	0	0	4	3	39	29
Illinois	124	47	164.2%	72	13	52	34	0	NM	72	13	NM	NM	NM	NM	34	22	0	0	0	0	0	0	18	11
Indiana	71	34	112.1%	59	24	12	10	27	14	31	10	NM	NM	NM	NM	7	5	0	0	0	0	0	0	4	5
Michigan	48	28	68.3%	38	21	10	8	4	3	34	17	NM	NM	NM	NM	4	3	0	0	0	0	0	0	6	4
Ohio	56	22	154.7%	42	9	15	13	NM	NM	41	8	NM	NM	NM	NM	7	6	2	1	0	0	2	1	6	5
Wisconsin	47	19	146.7%	38	11	9	8	23	7	15	4	NM	NM	NM	NM	4	3	1	1	0	0	1	1	4	3
West North Central	197	164	20.2%	140	117	56	47	7	3	133	114	23	20	0	0	23	20	3	2	0	0	3	2	31	25
Iowa	25	20	29.1%	12	9	13	11	3	NM	9	8	8	7	0	0	8	7	1	0	0	0	1	0	5	4
Kansas	8	7	14.8%	3	3	4	4	NM	NM	3	3	1	1	0	0	1	1	0	0	0	0	0	0	3	2
Minnesota	122	105	16.7%	113	97	9	7	NM	NM	111	96	3	2	0	0	3	2	1	1	0	0	1	1	6	4
Missouri	36	28	27.7%	8	5	28	23	1	NM	7	4	11	10	0	0	11	10	1	0	0	0	1	0	17	13
Nebraska	5	4	25.5%	4	3	1	1	NM	NM	3	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1
North Dakota	0	0	51.5%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota	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	2,537	1,880	35.0%	2,195	1,606	342	274	867	615	1,319	983	75	67	8	8	67	60	NM	NM	NM	NM	25	25	251	189
Delaware	11	11	2.3%	3	3	8	8	NM	NM	3	3	NM	2	NM	0	2	2	1	1	0	0	1	1	6	5
District of Columbia	NM	10	NM	NM	NM	10	9	0	0	NM	NM	4	4	0	0	4	4	0	0	0	0	0	0	6	5
Florida	884	647	36.7%	736	543	148	103	672	481	64	62	NM	NM	NM	NM	17	14	NM	NM	NM	NM	1	1	130	88
Georgia	443	275	61.0%	416	252	27	NM	47	24	369	228	NM	NM	NM	NM	5	4	NM	NM	0	0	NM	NM	NM	NM
Maryland	99	93	6.6%	41	35	58	57	NM	NM	39	34	NM	NM	NM	NM	18	16	2	2	0	0	2	2	38	39
North Carolina	671	545	23.2%	635	517	36	28	48	43	581	468	17	15	6	6	11	9	1	1	0	0	1	1	24	18
South Carolina	173	144	20.1%	143	118	30	26	NM	NM	142	117	6	5	0	0	6	5	NM	NM	NM	NM	3	3	21	18
Virginia	242	155	56.2%	219	137	23	18	99	67	120	70	NM	NM	NM	NM	4	5	0	0	0	0	0	0	19	13
West Virginia	2	1	59.2%	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
East South Central	119	75	59.1%	107	65	12	10	4	4	102	60	NM	NM	NM	NM	7	6	1	0	0	0	0	0	5	4
Alabama	NM	20	NM	52	19	NM	NM	NM	NM	50	18	NM	NM	0	0	NM	NM	0	0	0	0	0	0	NM	NM
Kentucky	7	5	31.8%	2	2	5	3	2	2	NM	NM	2	1	0	0	2	1	0	0	0	0	0	0	3	2
Mississippi	32	27	17.8%	31	26	1	1	0	0	31	26	1	0	0	0	1	0	NM	NM	0	0	NM	NM	1	0
Tennessee	27	22	22.1%	22	17	5	5	NM	NM	21	16	NM	NM	NM	NM	4	4	NM	NM	0	0	NM	NM	2	2
West South Central	1,538	842	82.6%	1,327	687	211	155	10	8	1,314	678	35	27	1	1	33	26	NM	2	NM	0	2	2	176	127
Arkansas	57	30	90.0%	46	24	11	6	NM	NM	44	23	5	2	1	1	4	1	NM	2	NM	0	2	2	6	3
Louisiana	29	27	4.6%	11	10	18	17	3	3	8	8	1	1	0	0	1	1	0	0	0	0	0	0	17	16
Oklahoma	10	7	36.5%	5	4	4	3	5	4	NM	NM	1	0	0	0	1	0	0	0	0	0	0	0	4	2
Texas	1,442	778	85.4%	1,264	648	178	130	NM	NM	1,262	647	NM	NM	NM	NM	27	23	NM	NM	NM	0	NM	NM	151	107
Mountain	1,875	1,394	34.5%	1,357	993	518	401	74	70	1,277	917	125	110	6	6	119	104	NM	NM	NM	NM	7	5	391	291
Arizona	649	532	22.1%	382	317	267	215	39	39	341	277	NM	NM	NM	NM	72	66	1	1	0	0	1	1	195	148
Colorado	217	132	64.3%	136	81	81	51	NM	NM	134	80	NM	NM	NM	NM	22	16	1	0	0	0	1	0	58	35
Idaho	29	28	5.6%	23	24	6	4	0	0	23	23	0	0	0	0	0	0	NM	NM	NM	NM	1	0	5	3
Montana	3	3	2.8%	1	1	2	2	0	0	1	1	1	1	0	0	1	1	0	0	0	0	0	0	2	1
Nevada	560	367	52.6%	481	305	79	62	11	10	466	292	12	11	4	4	8	8	NM	3	NM	0	3	3	68	51
New Mexico	147	129	13.6%	108	99	39	31	23	21	85	78	10	8	0	0	10	8	0	0	0	0	0	0	29	22
Utah	259	194	33.5%	218	159	41	35	0	0	218	159	7	6	0	0	7	6	1	1	0	0	1	1	34	28
Wyoming	11	9	18.5%	10	8	1	1	0	0	10	8	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Pacific Contiguous	3,404	2,888	17.9%	2,075	1,767	1,329	1,121	29	27	2,025	1,727	320	279	12	9	308	270	172	155	9	5	163	150	858	701
California	3,295	2,803	17.6%	1,991	1,703	1,304	1,100	28	26	1,942	1,663	313	274	12	9	302	264	172	154	9	5	162	150	840	686
Oregon	96	74	30.1%	83	63	13	10	NM	NM	82	63	4	4	0	0	4	4	1	1	0	0	1	1	8	6
Washington	NM	11	NM	NM	1	12	10	NM	NM	1	1	2	1	0	0	2	1	0	0	0	0	0	0	10	9
Pacific Noncontiguous	130	126	3.1%	36	34	93	92	5	5	31	28	NM	36	NM	0	35	36	0	0	0	0	0	0	58	56
Alaska	0	0	-11.1%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hawaii	130	126	3.1%	36	34	93	92	5	5	31	28	NM	36	NM	0	35	36	0	0	0	0	0	0	58	56
U.S. Total	11,172	8,388	33.2%	7,871	5,645	3,301	2,743	1,063	767	6,754	4,836	1,026	894	41	35	985	859	244	222	13	7	232	215	2,085	1,668

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 2022 and 2021 (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 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
New England	446	376	18.7%	183	137	263	239	8	6	174	130	NM	NM	NM	NM	148	137	NM	NM	NM	NM	9	9	105	92
Connecticut	77	59	29.7%	21	15	56	45	0	0	21	15	NM	NM	NM	NM	22	18	NM	NM	NM	NM	3	3	31	24
Maine	26	12	111.7%	14	6	12	7	0	0	14	6	8	3	0	0	8	3	0	0	0	0	0	0	5	4
Massachusetts	267	237	12.3%	120	91	147	146	7	5	113	86	NM	NM	NM	NM	92	93	NM	NM	NM	NM	6	6	50	47
New Hampshire	NM	11	NM	NM	NM	13	11	0	0	NM	NM	5	4	0	0	5	4	1	1	0	0	1	1	7	6
Rhode Island	43	39	12.0%	19	18	25	21	0	0	19	18	18	16	0	0	18	16	0	0	0	0	0	0	6	5
Vermont	19	17	11.9%	9	7	10	10	1	1	8	6	4	4	0	0	4	4	0	0	0	0	0	0	6	6
Middle Atlantic	580	494	17.4%	202	162	377	332	5	5	185	147	200	170	11	9	189	160	NM	NM	NM	NM	18	18	170	153
New Jersey	256	239	7.3%	95	83	161	156	5	5	79	70	90	83	10	9	80	75	NM	NM	NM	NM	12	13	69	68
New York	263	203	29.7%	91	64	172	139	0	0	90	63	NM	NM	NM	NM	95	73	NM	NM	NM	NM	1	1	76	64
Pennsylvania	60	52	15.8%	17	15	44	37	0	0	16	14	NM	NM	NM	NM	14	12	NM	NM	NM	NM	5	5	25	21
East North Central	347	150	130.8%	248	78	99	72	54	25	193	52	NM	NM	NM	NM	56	40	4	3	0	0	4	3	39	29
Illinois	124	47	164.2%	72	13	52	34	0	NM	72	13	NM	NM	NM	NM	34	22	0	0	0	0	0	0	18	11
Indiana	71	34	112.1%	59	24	12	10	27	14	31	10	NM	NM	NM	NM	7	5	0	0	0	0	0	0	4	5
Michigan	48	28	68.3%	38	21	10	8	4	3	34	17	NM	NM	NM	NM	4	3	0	0	0	0	0	0	6	4
Ohio	56	22	154.7%	42	9	15	13	NM	NM	41	8	NM	NM	NM	NM	7	6	2	1	0	0	2	1	6	5
Wisconsin	47	19	146.7%	38	11	9	8	23	7	15	4	NM	NM	NM	NM	4	3	1	1	0	0	1	1	4	3
West North Central	197	164	20.2%	140	117	56	47	7	3	133	114	23	20	0	0	23	20	3	2	0	0	3	2	31	25
Iowa	25	20	29.1%	12	9	13	11	3	NM	9	8	8	7	0	0	8	7	1	0	0	0	1	0	5	4
Kansas	8	7	14.8%	3	3	4	4	NM	NM	3	3	1	1	0	0	1	1	0	0	0	0	0	0	3	2
Minnesota	122	105	16.7%	113	97	9	7	NM	NM	111	96	3	2	0	0	3	2	1	1	0	0	1	1	6	4
Missouri	36	28	27.7%	8	5	28	23	1	NM	7	4	11	10	0	0	11	10	1	0	0	0	1	0	17	13
Nebraska	5	4	25.5%	4	3	1	1	NM	NM	3	2	0	0	0	0	0	0	0	0	0	0	0	0	1	1
North Dakota	0	0	51.5%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota	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	2,537	1,880	35.0%	2,195	1,606	342	274	867	615	1,319	983	75	67	8	8	67	60	NM	NM	NM	NM	25	25	251	189
Delaware	11	11	2.3%	3	3	8	8	NM	NM	3	3	NM	2	NM	0	2	2	1	1	0	0	1	1	6	5
District of Columbia	NM	10	NM	NM	NM	10	9	0	0	NM	NM	4	4	0	0	4	4	0	0	0	0	0	0	6	5
Florida	884	647	36.7%	736	543	148	103	672	481	64	62	NM	NM	NM	NM	17	14	NM	NM	NM	NM	1	1	130	88
Georgia	443	275	61.0%	416	252	27	NM	47	24	369	228	NM	NM	NM	NM	5	4	NM	NM	0	0	NM	NM	NM	NM
Maryland	99	93	6.6%	41	35	58	57	NM	NM	39	34	NM	NM	NM	NM	18	16	2	2	0	0	2	2	38	39
North Carolina	671	545	23.2%	635	517	36	28	48	43	581	468	17	15	6	6	11	9	1	1	0	0	1	1	24	18
South Carolina	173	144	20.1%	143	118	30	26	NM	NM	142	117	6	5	0	0	6	5	NM	NM	NM	NM	3	3	21	18
Virginia	242	155	56.2%	219	137	23	18	99	67	120	70	NM	NM	NM	NM	4	5	0	0	0	0	0	0	19	13
West Virginia	2	1	59.2%	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
East South Central	119	75	59.1%	107	65	12	10	4	4	102	60	NM	NM	NM	NM	7	6	1	0	0	0	0	0	5	4
Alabama	NM	20	NM	52	19	NM	NM	NM	NM	50	18	NM	NM	0	0	NM	NM	0	0	0	0	0	0	NM	NM
Kentucky	7	5	31.8%	2	2	5	3	2	2	NM	NM	2	1	0	0	2	1	0	0	0	0	0	0	3	2
Mississippi	32	27	17.8%	31	26	1	1	0	0	31	26	1	0	0	0	1	0	NM	NM	0	0	NM	NM	1	0
Tennessee	27	22	22.1%	22	17	5	5	NM	NM	21	16	NM	NM	NM	NM	4	4	NM	NM	0	0	NM	NM	2	2
West South Central	1,538	842	82.6%	1,327	687	211	155	10	8	1,314	678	35	27	1	1	33	26	NM	2	NM	0	2	2	176	127
Arkansas	57	30	90.0%	46	24	11	6	NM	NM	44	23	5	2	1	1	4	1	NM	2	NM	0	2	2	6	3
Louisiana	29	27	4.6%	11	10	18	17	3	3	8	8	1	1	0	0	1	1	0	0	0	0	0	0	17	16
Oklahoma	10	7	36.5%	5	4	4	3	5	4	NM	NM	1	0	0	0	1	0	0	0	0	0	0	0	4	2
Texas	1,442	778	85.4%	1,264	648	178	130	NM	NM	1,262	647	NM	NM	NM	NM	27	23	NM	NM	NM	0	NM	NM	151	107
Mountain	1,875	1,394	34.5%	1,357	993	518	401	74	70	1,277	917	125	110	6	6	119	104	NM	NM	NM	NM	7	5	391	291
Arizona	649	532	22.1%	382	317	267	215	39	39	341	277	NM	NM	NM	NM	72	66	1	1	0	0	1	1	195	148
Colorado	217	132	64.3%	136	81	81	51	NM	NM	134	80	NM	NM	NM	NM	22	16	1	0	0	0	1	0	58	35
Idaho	29	28	5.6%	23	24	6	4	0	0	23	23	0	0	0	0	0	0	NM	NM	NM	NM	1	0	5	3
Montana	3	3	2.8%	1	1	2	2	0	0	1	1	1	1	0	0	1	1	0	0	0	0	0	0	2	1
Nevada	560	367	52.6%	481	305	79	62	11	10	466	292	12	11	4	4	8	8	NM	3	NM	0	3	3	68	51
New Mexico	147	129	13.6%	108	99	39	31	23	21	85	78	10	8	0	0	10	8	0	0	0	0	0	0	29	22
Utah	259	194	33.5%	218	159	41	35	0	0	218	159	7	6	0	0	7	6	1	1	0	0	1	1	34	28
Wyoming	11	9	18.5%	10	8	1	1	0	0	10	8	0	0	0	0	0	0	0	0	0	0	0	0	1	1
Pacific Contiguous	3,404	2,888	17.9%	2,075	1,767	1,329	1,121	29	27	2,025	1,727	320	279	12	9	308	270	172	155	9	5	163	150	858	701
California	3,295	2,803	17.6%	1,991	1,703	1,304	1,100	28	26	1,942	1,663	313	274	12	9	302	264	172	154	9	5	162	150	840	686
Oregon	96	74	30.1%	83	63	13	10	NM	NM	82	63	4	4	0	0	4	4	1	1	0	0	1	1	8	6
Washington	NM	11	NM	NM	1	12	10	NM	NM	1	1	2	1	0	0	2	1	0	0	0	0	0	0	10	9
Pacific Noncontiguous	130	126	3.1%	36	34	93	92	5	5	31	28	NM	36	NM	0	35	36	0	0	0	0	0	0	58	56
Alaska	0	0	-11.1%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hawaii	130	126	3.1%	36	34	93	92	5	5	31	28	NM	36	NM	0	35	36	0	0	0	0	0	0	58	56
U.S. Total	11,172	8,388	33.2%	7,871	5,645	3,301	2,743	1,063	767	6,754	4,836	1,026	894	41	35	985	859	244	222	13	7	232	215	2,085	1,668

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 2022 and 2021 (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 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
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	9	1	564.2%	9	1	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	9	1	564.2%	9	1	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	44	33	35.4%	0	0	44	33	0	0	0	0
Arizona	27	32	-14.1%	0	0	27	32	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	17	1	NM	0	0	17	1	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	80	46	73.0%	0	0	80	46	0	0	0	0
California	80	46	73.0%	0	0	80	46	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	133	80	65.6%	9	1	124	79	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 2022 and 2021 (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 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 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	9	1	564.2%	9	1	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	9	1	564.2%	9	1	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	44	33	35.4%	0	0	44	33	0	0	0	0
Arizona	27	32	-14.1%	0	0	27	32	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	17	1	NM	0	0	17	1	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	80	46	73.0%	0	0	80	46	0	0	0	0
California	80	46	73.0%	0	0	80	46	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	133	80	65.6%	9	1	124	79	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, 2012-January 2022 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	435,351	325,352	108,125	72	1,802
2021	500,592	372,646	125,956	91	1,899
Year 2020					
January	36,810	27,330	9,285	7	189
February	32,074	23,698	8,192	9	175
March	29,028	21,713	7,145	7	163
April	23,654	17,026	6,481	4	143
May	26,801	19,829	6,829	4	139
June	36,589	27,777	8,677	5	129
July	49,751	38,259	11,347	5	141
August	50,406	38,919	11,340	4	142
Sept	38,685	29,643	8,884	7	151
October	33,823	24,914	8,758	6	145
November	34,271	24,622	9,506	6	137
December	43,459	31,623	11,680	8	149
Year 2021					
January	45,254	33,196	11,900	8	150
February	47,969	36,233	11,588	11	138
March	34,479	25,707	8,622	7	143
April	30,062	22,472	7,446	6	138
May	35,597	26,956	8,478	4	158
June	47,962	36,155	11,637	7	163
July	56,287	42,071	14,045	7	164
August	56,137	42,375	13,586	8	167
Sept	44,276	33,523	10,570	9	174
October	35,573	25,675	9,726	9	163
November	32,681	23,428	9,069	8	176
December	34,316	24,854	9,290	7	165
Year 2022					
January	48,494	35,584	12,730	8	172
Year to Date					
2020	36,810	27,330	9,285	7	189
2021	45,254	33,196	11,900	8	150
2022	48,494	35,584	12,730	8	172
Rolling 12 Months Ending in January					
2021	443,795	331,218	110,740	73	1,764
2022	503,833	375,034	126,786	92	1,921

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 2020 and prior years are final. Values for 2021 and 2022 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, 2012-January 2022 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	10,402	1,635	715	401	7,651
2021	11,352	2,121	705	454	8,073
Year 2020					
January	1,057	167	69	43	778
February	974	146	64	44	719
March	864	111	56	38	660
April	763	93	58	26	586
May	758	112	49	26	571
June	743	122	48	27	546
July	850	162	52	27	609
August	837	158	57	30	592
Sept	813	131	55	33	594
October	904	148	67	29	661
November	846	124	65	33	624
December	993	162	74	45	712
Year 2021					
January	997	179	65	43	710
February	944	176	80	51	637
March	915	161	60	39	654
April	886	141	59	32	654
May	884	130	55	30	669
June	895	189	48	32	626
July	1,009	214	62	35	699
August	941	223	56	36	626
Sept	963	200	67	38	657
October	892	147	33	38	674
November	1,027	162	57	41	767
December	1,000	199	63	39	699
Year 2022					
January	1,083	212	87	39	745
Year to Date					
2020	1,057	167	69	43	778
2021	997	179	65	43	710
2022	1,083	212	87	39	745
Rolling 12 Months Ending in January					
2021	10,342	1,648	710	401	7,582
2022	11,438	2,153	727	450	8,108

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 2020 and prior years are final. Values for 2021 and 2022 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, 2012-January 2022 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	445,753	326,987	108,840	473	9,453
2021	511,944	374,766	126,661	545	9,972
Year 2020					
January	37,867	27,497	9,354	50	967
February	33,048	23,845	8,256	54	894
March	29,892	21,823	7,201	45	823
April	24,417	17,118	6,539	30	729
May	27,559	19,941	6,878	30	709
June	37,331	27,899	8,725	32	676
July	50,601	38,421	11,400	31	749
August	51,243	39,078	11,397	34	734
Sept	39,498	29,774	8,939	40	745
October	34,727	25,061	8,825	34	806
November	35,117	24,746	9,572	39	761
December	44,452	31,784	11,754	53	861
Year 2021					
January	46,251	33,375	11,965	51	860
February	48,913	36,409	11,668	61	775
March	35,394	25,868	8,682	47	798
April	30,947	22,613	7,505	38	792
May	36,480	27,086	8,533	34	827
June	48,857	36,344	11,685	38	789
July	57,297	42,285	14,107	42	863
August	57,078	42,599	13,642	44	793
Sept	45,239	33,723	10,637	47	831
October	36,464	25,821	9,759	47	837
November	33,708	23,590	9,126	49	944
December	35,316	25,053	9,353	45	865
Year 2022					
January	49,577	35,796	12,817	47	917
Year to Date					
2020	37,867	27,497	9,354	50	967
2021	46,251	33,375	11,965	51	860
2022	49,577	35,796	12,817	47	917
Rolling 12 Months Ending in January					
2021	454,137	332,866	111,451	474	9,346
2022	515,270	377,187	127,513	541	10,029

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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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, 2012-January 2022 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	18,008	13,913	3,447	238	410
2021	20,676	15,672	4,290	264	451
Year 2020					
January	1,741	1,438	244	23	37
February	1,446	1,146	243	13	45
March	1,292	962	280	17	33
April	1,169	878	235	13	44
May	1,323	1,015	254	22	31
June	1,536	1,189	293	20	34
July	1,700	1,296	345	25	33
August	1,648	1,285	314	24	25
Sept	1,405	1,106	250	23	26
October	1,580	1,257	272	17	34
November	1,461	1,116	290	21	34
December	1,708	1,225	427	21	35
Year 2021					
January	1,631	1,282	297	23	29
February	3,367	2,435	840	24	68
March	1,391	1,076	252	24	39
April	1,360	1,051	254	23	32
May	1,412	1,080	273	21	38
June	1,543	1,106	382	21	33
July	1,475	1,105	312	24	34
August	2,104	1,655	385	23	41
Sept	1,622	1,272	303	18	30
October	1,565	1,231	273	24	37
November	1,546	1,156	338	17	34
December	1,661	1,224	382	21	34
Year 2022					
January	5,452	2,641	2,724	NM	46
Year to Date					
2020	1,741	1,438	244	23	37
2021	1,631	1,282	297	23	29
2022	5,452	2,641	2,724	NM	46
Rolling 12 Months Ending in January					
2021	17,898	13,757	3,500	239	402
2022	24,498	17,031	6,717	NM	468

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 2020 and prior years are final. Values for 2021 and 2022 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, 2012-January 2022 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	1,730	59	179	269	1,223
2021	2,169	78	276	356	1,459
Year 2020					
January	145	7	9	26	103
February	168	6	10	17	135
March	124	3	12	20	89
April	219	6	14	12	188
May	114	4	13	29	68
June	124	5	12	17	89
July	124	5	15	25	79
August	125	5	15	32	74
Sept	121	3	16	23	80
October	134	5	19	17	92
November	154	5	19	25	106
December	178	6	26	27	119
Year 2021					
January	177	3	25	36	113
February	309	26	60	61	163
March	209	4	22	34	150
April	159	4	20	29	107
May	167	4	16	29	119
June	141	4	13	21	103
July	152	4	18	26	104
August	186	5	19	25	137
Sept	142	6	15	20	101
October	186	6	19	26	135
November	164	6	25	20	113
December	175	6	24	30	115
Year 2022					
January	392	29	62	NM	194
Year to Date					
2020	145	7	9	26	103
2021	177	3	25	36	113
2022	392	29	62	NM	194
Rolling 12 Months Ending in January					
2021	1,761	55	194	278	1,233
2022	2,384	104	313	NM	1,540

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 2020 and prior years are final. Values for 2021 and 2022 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, 2012-January 2022 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	19,738	13,972	3,626	507	1,633
2021	22,845	15,750	4,566	620	1,910
Year 2020					
January	1,886	1,445	253	49	140
February	1,614	1,151	252	30	180
March	1,416	965	292	37	122
April	1,388	883	249	24	232
May	1,437	1,019	267	52	99
June	1,660	1,194	306	37	123
July	1,824	1,301	360	50	113
August	1,773	1,290	329	55	99
Sept	1,526	1,109	266	46	106
October	1,714	1,263	291	34	126
November	1,616	1,121	309	46	140
December	1,886	1,231	453	48	154
Year 2021					
January	1,807	1,285	321	59	142
February	3,676	2,460	900	85	231
March	1,600	1,080	273	58	188
April	1,520	1,055	274	52	139
May	1,579	1,084	289	50	156
June	1,684	1,110	395	42	136
July	1,627	1,109	330	50	138
August	2,290	1,660	404	48	179
Sept	1,764	1,278	318	37	131
October	1,751	1,237	292	50	172
November	1,710	1,162	363	37	147
December	1,836	1,230	406	51	149
Year 2022					
January	5,844	2,670	2,786	NM	240
Year to Date					
2020	1,886	1,445	253	49	140
2021	1,807	1,285	321	59	142
2022	5,844	2,670	2,786	NM	240
Rolling 12 Months Ending in January					
2021	19,659	13,812	3,695	517	1,635
2022	26,882	17,135	7,031	NM	2,008

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 2020 and prior years are final. Values for 2021 and 2022 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, 2012-January 2022 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	3,077	2,260	658	1	158
2021	2,940	2,323	480	1	135
Year 2020					
January	257	204	38	0	15
February	217	147	58	0	12
March	285	210	63	0	13
April	245	179	57	0	9
May	256	183	59	0	14
June	323	258	52	0	13
July	332	261	58	0	13
August	308	236	57	0	14
Sept	175	116	46	0	13
October	155	82	59	0	14
November	226	157	55	0	14
December	297	227	56	0	14
Year 2021					
January	275	211	52	0	12
February	273	223	40	0	10
March	264	203	48	0	13
April	153	107	37	0	10
May	201	148	41	0	12
June	184	148	26	0	11
July	272	219	41	0	12
August	290	238	41	0	11
Sept	246	190	46	0	11
October	245	202	31	0	11
November	312	256	44	0	13
December	226	178	36	0	11
Year 2022					
January	217	166	41	0	10
Year to Date					
2020	257	204	38	0	15
2021	275	211	52	0	12
2022	217	166	41	0	10
Rolling 12 Months Ending in January					
2021	3,095	2,267	671	0	156
2022	2,883	2,278	469	2	134

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 2020 and prior years are final. Values for 2021 and 2022 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, 2012-January 2022 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	780	16	124	3	637
2021	863	21	185	6	651
Year 2020					
January	74	1	11	2	60
February	56	1	12	1	41
March	46	1	11	0	34
April	39	3	9	0	26
May	62	3	10	0	49
June	73	1	9	0	64
July	73	1	10	0	63
August	75	1	11	0	63
Sept	72	1	12	0	60
October	67	0	9	0	57
November	67	2	9	0	56
December	76	1	11	0	65
Year 2021					
January	77	1	17	0	59
February	71	1	16	1	52
March	75	0	15	0	59
April	64	0	11	0	52
May	73	0	13	0	59
June	77	1	24	0	52
July	71	1	14	0	55
August	69	7	14	0	48
Sept	73	1	15	0	58
October	68	1	13	1	53
November	66	2	13	2	49
December	80	4	20	2	54
Year 2022					
January	64	2	16	2	45
Year to Date					
2020	74	1	11	2	60
2021	77	1	17	0	59
2022	64	2	16	2	45
Rolling 12 Months Ending in January					
2021	783	16	130	1	636
2022	850	21	184	7	637

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 2020 and prior years are final. Values for 2021 and 2022 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, 2012-January 2022 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	3,856	2,276	782	4	795
2021	3,803	2,344	666	7	786
Year 2020					
January	331	205	49	2	75
February	273	148	70	1	53
March	331	211	74	0	46
April	284	182	67	0	35
May	318	187	69	0	63
June	396	258	61	0	78
July	405	261	68	0	76
August	384	237	69	0	77
Sept	247	117	58	0	73
October	222	83	68	0	70
November	293	159	64	0	70
December	373	228	67	0	78
Year 2021					
January	352	212	69	0	71
February	344	224	56	1	62
March	339	204	63	0	72
April	217	107	48	0	62
May	273	148	54	0	71
June	261	149	49	0	62
July	342	220	55	0	67
August	359	245	55	0	59
Sept	320	190	60	0	69
October	313	204	44	1	64
November	379	258	57	2	62
December	306	183	56	2	65
Year 2022					
January	282	168	56	2	55
Year to Date					
2020	331	205	49	2	75
2021	352	212	69	0	71
2022	282	168	56	2	55
Rolling 12 Months Ending in January					
2021	3,877	2,283	801	1	791
2022	3,732	2,300	653	9	771

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 2020 and prior years are final. Values for 2021 and 2022 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, 2012-January 2022 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	11,917,622	6,185,671	5,061,569	51,827	618,556
2021	11,550,818	5,881,052	5,028,713	49,644	591,408
Year 2020					
January	975,951	504,198	411,105	4,616	56,032
February	917,429	478,299	383,490	4,211	51,428
March	914,458	484,881	373,112	3,944	52,521
April	798,416	427,447	320,603	3,491	46,874
May	858,041	464,236	342,427	3,664	47,715
June	1,065,323	559,071	450,418	4,366	51,468
July	1,371,672	703,094	607,755	5,434	55,389
August	1,301,779	664,939	576,428	5,247	55,165
Sept	1,037,115	524,416	459,392	4,433	48,874
October	970,288	500,783	416,665	4,222	48,618
November	795,571	406,222	336,578	3,818	48,953
December	911,580	468,085	383,595	4,381	55,518
Year 2021					
January	899,001	451,875	387,982	4,308	54,836
February	804,094	402,543	355,906	3,866	41,778
March	772,283	401,008	321,905	3,988	45,382
April	775,171	401,190	325,413	3,530	45,038
May	837,803	431,026	356,351	3,681	46,745
June	1,108,352	571,935	482,667	4,137	49,613
July	1,261,792	653,150	550,712	4,613	53,318
August	1,285,510	659,997	568,060	4,756	52,698
Sept	1,018,158	513,694	452,747	4,395	47,321
October	968,282	476,833	437,890	4,181	49,378
November	907,514	457,608	394,360	4,002	51,544
December	912,858	460,193	394,719	4,188	53,758
Year 2022					
January	1,002,159	512,316	433,272	4,339	52,232
Year to Date					
2020	975,951	504,198	411,105	4,616	56,032
2021	899,001	451,875	387,982	4,308	54,836
2022	1,002,159	512,316	433,272	4,339	52,232
Rolling 12 Months Ending in January					
2021	11,840,673	6,133,348	5,038,446	51,519	617,360
2022	11,653,975	5,941,493	5,074,003	49,676	588,804

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Values for 2020 and prior years are final. Values for 2021 and 2022 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, 2012-January 2022 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	1,292,624	47,025	326,976	78,844	839,778
2021	1,195,333	46,913	313,874	76,804	757,743
Year 2020					
January	129,482	4,242	28,854	7,419	88,968
February	118,342	3,980	26,837	6,952	80,572
March	118,437	4,270	27,273	6,437	80,457
April	110,653	3,892	24,979	5,617	76,165
May	96,238	3,816	25,835	5,410	61,178
June	98,513	3,863	27,110	6,221	61,318
July	107,695	4,465	29,304	7,589	66,337
August	106,062	4,198	29,533	7,184	65,147
Sept	97,666	3,544	27,518	6,366	60,238
October	102,031	3,214	26,299	6,455	66,063
November	97,482	3,022	25,404	6,268	62,788
December	110,021	4,518	28,032	6,926	70,546
Year 2021					
January	108,909	4,219	28,259	7,313	69,118
February	93,728	3,629	24,881	6,650	58,569
March	98,765	3,626	25,441	6,659	63,038
April	95,216	3,254	25,920	5,707	60,335
May	95,380	3,230	25,477	5,722	60,950
June	97,415	4,467	25,829	5,906	61,212
July	103,093	4,614	26,693	6,660	65,127
August	103,337	4,777	27,676	6,708	64,177
Sept	95,843	3,856	24,886	5,941	61,160
October	97,415	3,387	25,537	6,039	62,452
November	100,029	3,871	26,289	6,447	63,422
December	106,203	3,983	26,988	7,051	68,182
Year 2022					
January	112,454	4,211	29,227	7,576	71,440
Year to Date					
2020	129,482	4,242	28,854	7,419	88,968
2021	108,909	4,219	28,259	7,313	69,118
2022	112,454	4,211	29,227	7,576	71,440
Rolling 12 Months Ending in January					
2021	1,272,050	47,003	326,381	78,739	819,927
2022	1,198,878	46,905	314,842	77,067	760,065

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, 2012-January 2022 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	13,210,246	6,232,696	5,388,545	130,671	1,458,334
2021	12,746,151	5,927,965	5,342,587	126,448	1,349,151
Year 2020					
January	1,105,433	508,440	439,958	12,034	145,000
February	1,035,771	482,279	410,328	11,163	132,001
March	1,032,895	489,151	400,385	10,381	132,978
April	909,069	431,340	345,582	9,108	123,040
May	954,280	468,052	368,261	9,074	108,893
June	1,163,836	562,934	477,528	10,587	112,787
July	1,479,368	707,559	637,059	13,023	121,727
August	1,407,841	669,138	605,961	12,431	120,311
Sept	1,134,781	527,961	486,910	10,799	109,112
October	1,072,319	503,997	442,965	10,677	114,681
November	893,053	409,244	361,982	10,086	111,741
December	1,021,601	472,602	411,627	11,308	126,064
Year 2021					
January	1,007,910	456,095	416,241	11,621	123,953
February	897,822	406,172	380,787	10,516	100,347
March	871,049	404,634	347,346	10,648	108,421
April	870,387	404,445	351,333	9,237	105,373
May	933,182	434,256	381,827	9,404	107,695
June	1,205,767	576,402	508,496	10,043	110,826
July	1,364,885	657,763	577,404	11,272	118,445
August	1,388,847	664,774	595,735	11,464	116,874
Sept	1,114,001	517,550	477,634	10,336	108,482
October	1,065,697	480,220	463,427	10,220	111,830
November	1,007,543	461,478	420,649	10,450	114,966
December	1,019,061	464,176	421,707	11,239	121,939
Year 2022					
January	1,114,613	516,527	462,499	11,915	123,672
Year to Date					
2020	1,105,433	508,440	439,958	12,034	145,000
2021	1,007,910	456,095	416,241	11,621	123,953
2022	1,114,613	516,527	462,499	11,915	123,672
Rolling 12 Months Ending in January					
2021	13,112,723	6,180,351	5,364,828	130,258	1,437,287
2022	12,852,853	5,988,397	5,388,845	126,742	1,348,869

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 2020 and prior years are final. Values for 2021 and 2022 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, 2012-January 2022 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	252,501	23,571	208,196	18,136	2,597
2021	240,562	22,870	198,419	16,937	2,336
Year 2020					
January	22,731	1,990	18,938	1,537	267
February	21,038	1,879	17,436	1,476	247
March	22,584	2,089	18,650	1,595	250
April	21,604	2,037	17,837	1,504	226
May	21,856	2,046	18,033	1,575	203
June	20,106	1,892	16,567	1,449	198
July	20,832	1,966	17,074	1,582	210
August	21,086	1,959	17,368	1,563	196
Sept	20,174	1,864	16,589	1,535	185
October	20,164	1,979	16,617	1,385	182
November	19,682	1,892	16,114	1,474	203
December	20,645	1,981	16,973	1,461	231
Year 2021					
January	21,392	2,007	17,485	1,664	236
February	19,151	1,849	15,660	1,412	230
March	21,425	1,982	17,660	1,506	276
April	20,026	1,911	16,481	1,395	238
May	20,648	1,965	17,132	1,344	207
June	19,929	1,941	16,544	1,260	184
July	20,519	2,008	16,985	1,342	183
August	20,216	1,964	16,778	1,314	160
Sept	19,885	1,912	16,541	1,298	134
October	18,769	1,717	15,528	1,374	150
November	18,214	1,685	14,924	1,451	154
December	20,388	1,928	16,699	1,577	183
Year 2022					
January	19,418	1,808	15,895	1,526	189
Year to Date					
2020	22,731	1,990	18,938	1,537	267
2021	21,392	2,007	17,485	1,664	236
2022	19,418	1,808	15,895	1,526	189
Rolling 12 Months Ending in January					
2021	251,162	23,589	206,743	18,264	2,567
2022	238,588	22,671	196,829	16,799	2,289

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 2020 and prior years are final. Values for 2021 and 2022 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, 2012-January 2022 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	4,011	3	2,187	820	1,000
2021	4,292	3	2,482	741	1,067
Year 2020					
January	343	0	211	36	95
February	352	0	196	65	91
March	331	0	167	73	91
April	270	0	111	70	89
May	324	0	188	54	83
June	322	0	177	65	80
July	352	0	197	76	79
August	347	0	196	74	76
Sept	345	0	197	74	74
October	372	0	195	106	72
November	309	0	167	61	81
December	343	0	186	67	90
Year 2021					
January	481	0	279	73	129
February	415	0	238	55	122
March	431	0	237	72	122
April	382	0	218	48	115
May	312	0	148	59	104
June	299	0	173	47	79
July	256	0	131	65	60
August	307	1	197	57	53
Sept	304	1	187	70	46
October	303	0	201	56	46
November	336	0	187	66	83
December	467	0	285	73	109
Year 2022					
January	466	0	277	81	107
Year to Date					
2020	343	0	211	36	95
2021	481	0	279	73	129
2022	466	0	277	81	107
Rolling 12 Months Ending in January					
2021	4,149	3	2,256	856	1,034
2022	4,277	3	2,480	749	1,045

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
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, 2012-January 2022 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	256,512	23,575	210,383	18,956	3,598
2021	244,855	22,872	200,902	17,678	3,403
Year 2020					
January	23,074	1,990	19,149	1,573	362
February	21,390	1,879	17,632	1,541	338
March	22,915	2,089	18,817	1,667	342
April	21,874	2,037	17,948	1,574	315
May	22,181	2,046	18,221	1,628	286
June	20,428	1,892	16,743	1,515	278
July	21,184	1,966	17,271	1,659	289
August	21,433	1,959	17,564	1,637	272
Sept	20,519	1,864	16,786	1,609	259
October	20,536	1,979	16,812	1,491	254
November	19,991	1,892	16,281	1,534	284
December	20,988	1,981	17,159	1,528	320
Year 2021					
January	21,873	2,007	17,764	1,736	365
February	19,566	1,849	15,898	1,467	352
March	21,857	1,983	17,898	1,578	398
April	20,407	1,911	16,700	1,443	353
May	20,960	1,965	17,280	1,403	312
June	20,228	1,942	16,718	1,307	262
July	20,775	2,009	17,117	1,407	243
August	20,522	1,964	16,975	1,371	213
Sept	20,190	1,913	16,728	1,368	181
October	19,072	1,717	15,729	1,430	196
November	18,550	1,685	15,111	1,517	236
December	20,854	1,928	16,984	1,651	292
Year 2022					
January	19,884	1,808	16,173	1,607	296
Year to Date					
2020	23,074	1,990	19,149	1,573	362
2021	21,873	2,007	17,764	1,736	365
2022	19,884	1,808	16,173	1,607	296
Rolling 12 Months Ending in January					
2021	255,311	23,592	208,998	19,120	3,601
2022	242,866	22,673	199,310	17,548	3,334

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

Table 2.6.A. Biogenic Municipal Solid Waste: Consumption for Electricity Generation, by Sector, 2012-January 2022 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	15,516	280	12,975	2,251	10
2021	15,189	252	12,846	2,082	7
Year 2020					
January	1,323	19	1,107	196	1
February	1,204	14	1,014	175	1
March	1,331	26	1,109	195	1
April	1,266	25	1,061	179	1
May	1,312	24	1,094	192	1
June	1,222	25	1,010	187	1
July	1,355	26	1,130	199	1
August	1,380	26	1,160	194	1
Sept	1,274	23	1,072	179	1
October	1,259	24	1,052	183	1
November	1,255	24	1,046	184	1
December	1,334	22	1,121	190	1
Year 2021					
January	1,260	20	1,061	178	1
February	1,118	10	966	143	0
March	1,269	17	1,079	173	0
April	1,233	23	1,041	169	0
May	1,241	24	1,055	161	1
June	1,296	26	1,098	171	1
July	1,358	9	1,157	191	1
August	1,348	27	1,129	191	1
Sept	1,302	23	1,099	178	1
October	1,248	23	1,053	171	1
November	1,220	27	1,016	176	1
December	1,297	24	1,092	180	0
Year 2022					
January	1,204	22	994	188	0
Year to Date					
2020	1,323	19	1,107	196	1
2021	1,260	20	1,061	178	1
2022	1,204	22	994	188	0
Rolling 12 Months Ending in January					
2021	15,453	281	12,929	2,233	10
2022	15,133	253	12,780	2,092	7

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
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Table 2.6.B. Biogenic Municipal Solid Waste: Consumption for Useful Thermal Output, by Sector, 2012-January 2022 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	1,650	0	757	705	188
2021	1,436	0	683	580	173
Year 2020					
January	146	0	73	59	13
February	139	0	69	53	16
March	138	0	62	61	15
April	139	0	61	61	16
May	148	0	67	65	16
June	131	0	67	51	13
July	135	0	59	62	15
August	149	0	64	64	21
Sept	122	0	51	55	15
October	132	0	60	57	14
November	129	0	57	57	16
December	141	0	67	58	16
Year 2021					
January	108	0	35	55	17
February	107	0	61	39	6
March	125	0	61	50	14
April	91	0	25	48	18
May	122	0	62	47	13
June	122	0	62	43	16
July	136	0	64	56	16
August	135	0	64	55	17
Sept	125	0	58	52	15
October	120	0	57	47	15
November	113	0	63	37	13
December	131	0	69	50	13
Year 2022					
January	140	0	74	56	10
Year to Date					
2020	146	0	73	59	13
2021	108	0	35	55	17
2022	140	0	74	56	10
Rolling 12 Months Ending in January					
2021	1,612	0	720	701	191
2022	1,468	0	722	580	166

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

Table 2.6.C. Biogenic Municipal Solid Waste: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2012-January 2022 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	17,166	280	13,732	2,956	198
2021	16,624	252	13,530	2,662	180
Year 2020					
January	1,469	19	1,180	256	14
February	1,342	14	1,083	228	17
March	1,469	26	1,171	256	16
April	1,405	25	1,122	241	17
May	1,459	24	1,161	257	17
June	1,353	25	1,077	238	14
July	1,491	26	1,188	261	16
August	1,530	26	1,224	258	22
Sept	1,397	23	1,123	234	16
October	1,391	24	1,112	240	15
November	1,384	24	1,102	241	16
December	1,475	22	1,188	248	17
Year 2021					
January	1,367	20	1,096	233	17
February	1,225	10	1,027	182	6
March	1,395	17	1,140	223	14
April	1,324	23	1,066	217	18
May	1,362	24	1,117	208	14
June	1,418	26	1,160	214	17
July	1,494	9	1,221	248	16
August	1,483	27	1,194	245	18
Sept	1,427	23	1,157	231	16
October	1,368	23	1,111	218	16
November	1,333	27	1,079	213	14
December	1,428	24	1,161	230	13
Year 2022					
January	1,344	22	1,068	244	10
Year to Date					
2020	1,469	19	1,180	256	14
2021	1,367	20	1,096	233	17
2022	1,344	22	1,068	244	10
Rolling 12 Months Ending in January					
2021	17,064	281	13,648	2,934	201
2022	16,601	253	13,502	2,673	173

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, 2012-January 2022 (Billion Btus)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	318,314	31,606	125,695	608	160,405
2021	330,712	38,669	135,359	996	155,689
Year 2020					
January	29,255	3,341	11,363	49	14,502
February	27,495	3,095	10,658	41	13,700
March	27,504	2,644	10,423	32	14,405
April	23,850	1,872	8,674	8	13,296
May	25,098	1,918	9,789	30	13,361
June	24,644	2,209	9,540	54	12,840
July	27,208	3,084	10,984	89	13,052
August	28,921	3,838	11,730	90	13,264
Sept	25,299	2,138	10,529	45	12,587
October	24,768	2,099	9,962	58	12,648
November	26,008	2,737	10,309	49	12,913
December	28,265	2,629	11,734	64	13,838
Year 2021					
January	28,875	2,956	12,138	64	13,716
February	26,228	3,381	11,005	95	11,747
March	28,681	3,240	12,093	55	13,293
April	23,014	2,151	8,455	56	12,352
May	27,242	2,727	11,375	44	13,095
June	28,250	3,226	11,902	96	13,026
July	29,993	4,481	11,677	118	13,717
August	30,448	4,525	12,553	108	13,261
Sept	27,486	3,473	10,866	97	13,050
October	27,413	3,141	11,705	79	12,488
November	24,566	2,096	9,552	74	12,844
December	28,516	3,271	12,038	109	13,098
Year 2022					
January	27,301	3,501	10,718	101	12,980
Year to Date					
2020	29,255	3,341	11,363	49	14,502
2021	28,875	2,956	12,138	64	13,716
2022	27,301	3,501	10,718	101	12,980
Rolling 12 Months Ending in January					
2021	317,934	31,221	126,470	623	159,619
2022	329,138	39,214	133,938	1,033	154,953

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
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Table 2.7.B. Wood / Wood Waste Biomass: Consumption for Useful Thermal Output, by Sector, 2012-January 2022 (Billion Btus)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	859,499	3,051	25,022	3,595	827,831
2021	846,921	3,502	21,461	2,960	818,998
Year 2020					
January	77,558	368	2,309	483	74,398
February	73,283	368	2,284	453	70,178
March	75,151	368	2,277	353	72,153
April	70,513	262	1,929	238	68,084
May	72,007	123	2,109	321	69,453
June	67,886	155	2,099	394	65,239
July	68,531	179	2,086	250	66,017
August	69,244	167	1,994	244	66,840
Sept	67,215	208	1,902	166	64,940
October	70,930	362	1,726	191	68,651
November	71,706	328	2,103	233	69,042
December	75,475	165	2,205	269	72,836
Year 2021					
January	75,134	321	2,019	229	72,564
February	65,285	307	1,763	315	62,899
March	70,135	318	1,858	227	67,732
April	69,417	215	1,771	153	67,278
May	74,849	301	1,311	125	73,112
June	70,677	319	1,929	276	68,153
July	76,143	293	1,815	300	73,735
August	71,075	307	2,021	316	68,431
Sept	70,663	247	1,775	308	68,333
October	69,046	312	1,423	213	67,098
November	66,249	242	1,980	208	63,820
December	68,248	321	1,795	291	65,842
Year 2022					
January	68,594	245	2,175	282	65,892
Year to Date					
2020	77,558	368	2,309	483	74,398
2021	75,134	321	2,019	229	72,564
2022	68,594	245	2,175	282	65,892
Rolling 12 Months Ending in January					
2021	857,075	3,004	24,733	3,341	825,998
2022	840,381	3,426	21,617	3,013	812,325

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 2020 and prior years are final. Values for 2021 and 2022 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.7.C. Wood / Wood Waste Biomass: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2012-January 2022 (Billion Btus)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	1,177,813	34,657	150,717	4,203	988,236
2021	1,177,633	42,171	156,820	3,957	974,686
Year 2020					
January	106,813	3,709	13,672	532	88,900
February	100,778	3,462	12,942	495	83,879
March	102,655	3,012	12,700	385	86,558
April	94,363	2,134	10,603	246	81,380
May	97,105	2,041	11,899	351	82,814
June	92,531	2,364	11,640	448	78,079
July	95,739	3,263	13,069	339	79,068
August	98,166	4,005	13,723	334	80,104
Sept	92,513	2,346	12,430	210	77,527
October	95,699	2,462	11,688	249	81,299
November	97,713	3,064	12,412	282	81,955
December	103,739	2,794	13,939	333	86,674
Year 2021					
January	104,009	3,277	14,157	294	86,280
February	91,513	3,688	12,768	410	74,646
March	98,816	3,558	13,952	282	81,025
April	92,432	2,366	10,226	210	79,630
May	102,090	3,028	12,686	169	86,208
June	98,927	3,545	13,831	372	81,180
July	106,136	4,774	13,492	418	87,452
August	101,523	4,832	14,575	424	81,692
Sept	98,148	3,720	12,642	404	81,383
October	96,459	3,453	13,128	292	79,586
November	90,816	2,337	11,532	282	76,664
December	96,764	3,592	13,832	400	78,940
Year 2022					
January	95,895	3,746	12,893	383	78,872
Year to Date					
2020	106,813	3,709	13,672	532	88,900
2021	104,009	3,277	14,157	294	86,280
2022	95,895	3,746	12,893	383	78,872
Rolling 12 Months Ending in January					
2021	1,175,009	34,225	151,203	3,964	985,617
2022	1,169,519	42,640	155,556	4,046	967,278

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 2020 and prior years are final. Values for 2021 and 2022 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 2022 and January 2021 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
New England	70	105	-34.0%	68	17	1	87	0	0	0	NM
Connecticut	0	86	-100.0%	0	0	0	86	0	0	0	0
Maine	1	1	-7.0%	0	0	1	1	0	0	0	NM
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	68	17	295.0%	68	17	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	2,028	1,919	5.7%	0	0	2,026	1,917	0	0	2	1
New Jersey	79	36	120.0%	0	0	79	36	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	1,949	1,883	3.5%	0	0	1,947	1,881	0	0	2	1
East North Central	10,955	10,083	8.7%	6,305	6,128	4,599	3,904	2	1	50	49
Illinois	2,722	2,392	14.0%	110	103	2,571	2,246	1	0	41	42
Indiana	2,461	2,538	-3.1%	2,302	2,329	158	208	1	1	0	0
Michigan	2,283	2,027	13.0%	2,269	2,013	14	13	0	0	1	0
Ohio	2,076	1,665	25.0%	220	228	1,856	1,437	0	0	0	0
Wisconsin	1,413	1,461	-3.3%	1,404	1,454	0	0	0	0	9	7
West North Central	9,742	9,252	5.3%	9,653	9,184	0	0	3	1	87	67
Iowa	959	1,122	-15.0%	918	1,086	0	0	1	1	40	36
Kansas	1,145	934	23.0%	1,145	934	0	0	0	0	0	0
Minnesota	1,230	846	45.0%	1,226	842	0	0	1	0	4	3
Missouri	3,180	3,271	-2.8%	3,179	3,271	0	0	1	0	0	0
Nebraska	1,092	1,068	2.2%	1,051	1,043	0	0	0	0	41	25
North Dakota	2,026	1,883	7.6%	2,023	1,880	0	0	0	0	NM	3
South Dakota	110	127	-14.0%	110	127	0	0	0	0	0	0
South Atlantic	6,911	5,681	22.0%	5,907	4,819	991	847	1	1	12	13
Delaware	33	0	--	0	0	33	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	512	711	-28.0%	512	711	0	0	0	0	NM	0
Georgia	1,109	592	87.0%	1,104	589	0	0	0	0	NM	3
Maryland	457	326	40.0%	0	0	457	326	0	0	0	0
North Carolina	1,146	970	18.0%	1,142	963	0	2	1	1	3	3
South Carolina	643	635	1.2%	638	632	4	3	0	0	0	1
Virginia	422	40	962.0%	419	21	0	13	0	0	3	6
West Virginia	2,589	2,407	7.6%	2,092	1,904	497	503	0	0	0	0
East South Central	4,761	4,292	11.0%	4,557	3,986	196	298	0	0	8	8
Alabama	1,342	1,144	17.0%	1,341	1,144	0	0	0	0	NM	NM
Kentucky	2,148	2,164	-0.7%	2,148	2,164	0	0	0	0	0	0
Mississippi	369	485	-24.0%	173	187	196	298	0	0	0	0
Tennessee	902	498	81.0%	895	490	0	0	0	0	7	8
West South Central	7,710	7,738	-0.4%	3,918	3,981	3,792	3,756	0	0	1	1
Arkansas	1,309	1,369	-4.3%	1,077	1,133	232	235	0	0	1	1
Louisiana	495	189	163.0%	258	143	237	45	0	0	0	0
Oklahoma	658	597	10.0%	658	597	0	0	0	0	0	0
Texas	5,247	5,584	-6.0%	1,924	2,109	3,323	3,476	0	0	0	0
Mountain	6,016	5,824	3.3%	5,134	5,039	874	778	0	0	8	7
Arizona	740	558	33.0%	740	558	0	0	0	0	0	0
Colorado	1,129	1,123	0.5%	1,129	1,123	0	0	0	0	0	0
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	717	674	6.3%	0	25	716	649	0	0	NM	1
Nevada	120	49	148.0%	50	0	70	49	0	0	0	0
New Mexico	766	745	2.8%	766	745	0	0	0	0	0	0
Utah	899	928	-3.2%	859	894	40	34	0	0	0	0
Wyoming	1,645	1,746	-5.8%	1,591	1,694	47	47	0	0	7	6
Pacific Contiguous	211	245	-14.0%	0	0	206	241	0	0	5	4
California	4	3	19.0%	0	0	0	0	0	0	4	3
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	207	241	-14.0%	0	0	206	241	0	0	0	1
Pacific Noncontiguous	90	117	-23.0%	NM	42	45	71	NM	4	0	0
Alaska	55	60	-9.2%	NM	42	NM	14	NM	4	0	0
Hawaii	35	57	-37.0%	0	0	35	57	0	0	0	0
U.S. Total	48,494	45,254	7.2%	35,584	33,196	12,730	11,900	8	8	172	150

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 2022 and January 2021 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
New England	70	105	-34.0%	68	17	1	87	0	0	0	NM
Connecticut	0	86	-100.0%	0	0	0	86	0	0	0	0
Maine	1	1	-7.0%	0	0	1	1	0	0	0	NM
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	68	17	295.0%	68	17	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	2,028	1,919	5.7%	0	0	2,026	1,917	0	0	2	1
New Jersey	79	36	120.0%	0	0	79	36	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	1,949	1,883	3.5%	0	0	1,947	1,881	0	0	2	1
East North Central	10,955	10,083	8.7%	6,305	6,128	4,599	3,904	2	1	50	49
Illinois	2,722	2,392	14.0%	110	103	2,571	2,246	1	0	41	42
Indiana	2,461	2,538	-3.1%	2,302	2,329	158	208	1	1	0	0
Michigan	2,283	2,027	13.0%	2,269	2,013	14	13	0	0	1	0
Ohio	2,076	1,665	25.0%	220	228	1,856	1,437	0	0	0	0
Wisconsin	1,413	1,461	-3.3%	1,404	1,454	0	0	0	0	9	7
West North Central	9,742	9,252	5.3%	9,653	9,184	0	0	3	1	87	67
Iowa	959	1,122	-15.0%	918	1,086	0	0	1	1	40	36
Kansas	1,145	934	23.0%	1,145	934	0	0	0	0	0	0
Minnesota	1,230	846	45.0%	1,226	842	0	0	1	0	4	3
Missouri	3,180	3,271	-2.8%	3,179	3,271	0	0	1	0	0	0
Nebraska	1,092	1,068	2.2%	1,051	1,043	0	0	0	0	41	25
North Dakota	2,026	1,883	7.6%	2,023	1,880	0	0	0	0	NM	3
South Dakota	110	127	-14.0%	110	127	0	0	0	0	0	0
South Atlantic	6,911	5,681	22.0%	5,907	4,819	991	847	1	1	12	13
Delaware	33	0	--	0	0	33	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	512	711	-28.0%	512	711	0	0	0	0	NM	0
Georgia	1,109	592	87.0%	1,104	589	0	0	0	0	NM	3
Maryland	457	326	40.0%	0	0	457	326	0	0	0	0
North Carolina	1,146	970	18.0%	1,142	963	0	2	1	1	3	3
South Carolina	643	635	1.2%	638	632	4	3	0	0	0	1
Virginia	422	40	962.0%	419	21	0	13	0	0	3	6
West Virginia	2,589	2,407	7.6%	2,092	1,904	497	503	0	0	0	0
East South Central	4,761	4,292	11.0%	4,557	3,986	196	298	0	0	8	8
Alabama	1,342	1,144	17.0%	1,341	1,144	0	0	0	0	NM	NM
Kentucky	2,148	2,164	-0.7%	2,148	2,164	0	0	0	0	0	0
Mississippi	369	485	-24.0%	173	187	196	298	0	0	0	0
Tennessee	902	498	81.0%	895	490	0	0	0	0	7	8
West South Central	7,710	7,738	-0.4%	3,918	3,981	3,792	3,756	0	0	1	1
Arkansas	1,309	1,369	-4.3%	1,077	1,133	232	235	0	0	1	1
Louisiana	495	189	163.0%	258	143	237	45	0	0	0	0
Oklahoma	658	597	10.0%	658	597	0	0	0	0	0	0
Texas	5,247	5,584	-6.0%	1,924	2,109	3,323	3,476	0	0	0	0
Mountain	6,016	5,824	3.3%	5,134	5,039	874	778	0	0	8	7
Arizona	740	558	33.0%	740	558	0	0	0	0	0	0
Colorado	1,129	1,123	0.5%	1,129	1,123	0	0	0	0	0	0
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	717	674	6.3%	0	25	716	649	0	0	NM	1
Nevada	120	49	148.0%	50	0	70	49	0	0	0	0
New Mexico	766	745	2.8%	766	745	0	0	0	0	0	0
Utah	899	928	-3.2%	859	894	40	34	0	0	0	0
Wyoming	1,645	1,746	-5.8%	1,591	1,694	47	47	0	0	7	6
Pacific Contiguous	211	245	-14.0%	0	0	206	241	0	0	5	4
California	4	3	19.0%	0	0	0	0	0	0	4	3
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	207	241	-14.0%	0	0	206	241	0	0	0	1
Pacific Noncontiguous	90	117	-23.0%	NM	42	45	71	NM	4	0	0
Alaska	55	60	-9.2%	NM	42	NM	14	NM	4	0	0
Hawaii	35	57	-37.0%	0	0	35	57	0	0	0	0
U.S. Total	48,494	45,254	7.2%	35,584	33,196	12,730	11,900	8	8	172	150

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

Table 2.9.A. Consumption of Petroleum Liquids for Electricity Generation by State, by Sector, January 2022 and January 2021 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
New England	1,477	56	NM	102	10	1,362	41	NM	5	5	NM
Connecticut	NM	NM	NM	NM	1	NM	NM	NM	1	1	0
Maine	266	NM	NM	0	0	262	2	1	NM	3	NM
Massachusetts	672	14	NM	NM	NM	654	13	NM	NM	1	0
New Hampshire	411	16	NM	81	8	329	NM	2	2	0	0
Rhode Island	NM	0	NM	0	0	NM	NM	1	0	0	0
Vermont	NM	NM	NM	NM	NM	0	0	0	0	0	0
Middle Atlantic	1,946	258	654.0%	919	174	1,012	80	NM	NM	NM	NM
New Jersey	NM	9	NM	0	0	NM	9	NM	NM	1	0
New York	1,790	231	676.0%	918	174	860	55	NM	NM	1	1
Pennsylvania	NM	19	NM	0	0	NM	NM	1	0	NM	NM
East North Central	NM	75	NM	NM	55	NM	19	NM	0	0	1
Illinois	NM	7	NM	NM	NM	NM	6	NM	0	0	0
Indiana	NM	33	NM	NM	32	0	0	0	0	0	0
Michigan	14	14	-0.2%	14	13	0	0	NM	0	0	0
Ohio	NM	18	NM	NM	5	NM	13	0	0	0	0
Wisconsin	NM	4	NM	NM	NM	1	0	NM	0	NM	0
West North Central	138	53	160.0%	137	53	NM	NM	0	0	0	0
Iowa	NM	9	NM	NM	9	NM	NM	0	0	0	0
Kansas	27	16	72.0%	27	16	0	0	0	0	0	0
Minnesota	3	4	-31.0%	NM	4	NM	NM	0	0	0	0
Missouri	77	15	424.0%	77	15	0	0	0	0	0	0
Nebraska	5	NM	NM	5	NM	0	0	0	0	0	0
North Dakota	4	4	6.7%	4	4	0	0	0	0	0	0
South Dakota	NM	3	NM	NM	3	0	0	NM	NM	0	0
South Atlantic	507	147	246.0%	345	97	128	27	20	15	15	7
Delaware	NM	NM	NM	5	0	NM	NM	0	0	0	0
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	95	27	247.0%	81	25	12	NM	0	0	NM	2
Georgia	42	12	246.0%	31	7	NM	NM	NM	0	8	4
Maryland	NM	20	NM	4	1	NM	20	NM	NM	0	0
North Carolina	NM	18	NM	NM	17	NM	NM	NM	NM	NM	1
South Carolina	40	13	208.0%	36	11	3	1	NM	NM	1	1
Virginia	179	27	556.0%	NM	NM	42	4	19	15	3	NM
West Virginia	18	27	-31.0%	18	27	0	0	0	0	0	0
East South Central	93	38	143.0%	89	31	2	6	0	0	NM	1
Alabama	NM	7	NM	NM	NM	2	6	0	0	NM	NM
Kentucky	NM	14	NM	NM	14	0	0	0	0	0	0
Mississippi	NM	2	NM	NM	1	0	0	0	0	0	0
Tennessee	40	16	149.0%	40	16	0	0	0	0	0	0
West South Central	31	21	46.0%	NM	16	NM	4	0	0	NM	0
Arkansas	13	6	125.0%	11	6	2	0	0	0	NM	NM
Louisiana	NM	NM	NM	NM	NM	0	0	0	0	0	0
Oklahoma	7	7	1.8%	7	7	0	0	0	0	0	0
Texas	NM	8	NM	NM	4	NM	4	0	0	0	0
Mountain	25	28	-8.6%	25	26	NM	2	NM	NM	0	0
Arizona	5	6	-18.0%	5	6	0	0	NM	NM	0	0
Colorado	3	NM	NM	3	NM	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	NM	NM	NM	NM	NM	NM	1	0	0	0	0
Nevada	1	1	69.0%	1	0	1	1	0	0	0	0
New Mexico	4	3	30.0%	4	3	0	0	0	0	0	0
Utah	3	7	-63.0%	3	7	0	0	0	0	0	0
Wyoming	9	9	3.3%	9	9	0	0	0	0	0	0
Pacific Contiguous	NM	7	NM	NM	5	7	1	NM	0	2	1
California	10	6	61.0%	5	4	3	1	NM	0	NM	NM
Oregon	NM	NM	NM	NM	NM	0	0	NM	0	0	0
Washington	5	1	303.0%	NM	NM	4	0	0	0	1	1
Pacific Noncontiguous	1,099	947	16.0%	924	815	155	116	1	1	19	15
Alaska	142	105	35.0%	136	101	NM	NM	0	NM	6	4
Hawaii	957	842	14.0%	788	713	155	116	1	1	13	12
U.S. Total	5,452	1,631	234.0%	2,641	1,282	2,724	297	NM	23	46	29

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 2022 and January 2021 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	January 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
New England	1,477	56	NM	102	10	1,362	41	NM	5	5	NM
Connecticut	NM	NM	NM	NM	1	NM	NM	NM	1	1	0
Maine	266	NM	NM	0	0	262	2	1	NM	3	NM
Massachusetts	672	14	NM	NM	NM	654	13	NM	NM	1	0
New Hampshire	411	16	NM	81	8	329	NM	2	2	0	0
Rhode Island	NM	0	NM	0	0	NM	NM	1	0	0	0
Vermont	NM	NM	NM	NM	NM	0	0	0	0	0	0
Middle Atlantic	1,946	258	654.0%	919	174	1,012	80	NM	NM	NM	NM
New Jersey	NM	9	NM	0	0	NM	9	NM	NM	1	0
New York	1,790	231	676.0%	918	174	860	55	NM	NM	1	1
Pennsylvania	NM	19	NM	0	0	NM	NM	1	0	NM	NM
East North Central	NM	75	NM	NM	55	NM	19	NM	0	0	1
Illinois	NM	7	NM	NM	NM	NM	6	NM	0	0	0
Indiana	NM	33	NM	NM	32	0	0	0	0	0	0
Michigan	14	14	-0.2%	14	13	0	0	NM	0	0	0
Ohio	NM	18	NM	NM	5	NM	13	0	0	0	0
Wisconsin	NM	4	NM	NM	NM	1	0	NM	0	NM	0
West North Central	138	53	160.0%	137	53	NM	NM	0	0	0	0
Iowa	NM	9	NM	NM	9	NM	NM	0	0	0	0
Kansas	27	16	72.0%	27	16	0	0	0	0	0	0
Minnesota	3	4	-31.0%	NM	4	NM	NM	0	0	0	0
Missouri	77	15	424.0%	77	15	0	0	0	0	0	0
Nebraska	5	NM	NM	5	NM	0	0	0	0	0	0
North Dakota	4	4	6.7%	4	4	0	0	0	0	0	0
South Dakota	NM	3	NM	NM	3	0	0	NM	NM	0	0
South Atlantic	507	147	246.0%	345	97	128	27	20	15	15	7
Delaware	NM	NM	NM	5	0	NM	NM	0	0	0	0
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	95	27	247.0%	81	25	12	NM	0	0	NM	2
Georgia	42	12	246.0%	31	7	NM	NM	NM	0	8	4
Maryland	NM	20	NM	4	1	NM	20	NM	NM	0	0
North Carolina	NM	18	NM	NM	17	NM	NM	NM	NM	NM	1
South Carolina	40	13	208.0%	36	11	3	1	NM	NM	1	1
Virginia	179	27	556.0%	NM	NM	42	4	19	15	3	NM
West Virginia	18	27	-31.0%	18	27	0	0	0	0	0	0
East South Central	93	38	143.0%	89	31	2	6	0	0	NM	1
Alabama	NM	7	NM	NM	NM	2	6	0	0	NM	NM
Kentucky	NM	14	NM	NM	14	0	0	0	0	0	0
Mississippi	NM	2	NM	NM	1	0	0	0	0	0	0
Tennessee	40	16	149.0%	40	16	0	0	0	0	0	0
West South Central	31	21	46.0%	NM	16	NM	4	0	0	NM	0
Arkansas	13	6	125.0%	11	6	2	0	0	0	NM	NM
Louisiana	NM	NM	NM	NM	NM	0	0	0	0	0	0
Oklahoma	7	7	1.8%	7	7	0	0	0	0	0	0
Texas	NM	8	NM	NM	4	NM	4	0	0	0	0
Mountain	25	28	-8.6%	25	26	NM	2	NM	NM	0	0
Arizona	5	6	-18.0%	5	6	0	0	NM	NM	0	0
Colorado	3	NM	NM	3	NM	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	NM	NM	NM	NM	NM	NM	1	0	0	0	0
Nevada	1	1	69.0%	1	0	1	1	0	0	0	0
New Mexico	4	3	30.0%	4	3	0	0	0	0	0	0
Utah	3	7	-63.0%	3	7	0	0	0	0	0	0
Wyoming	9	9	3.3%	9	9	0	0	0	0	0	0
Pacific Contiguous	NM	7	NM	NM	5	7	1	NM	0	2	1
California	10	6	61.0%	5	4	3	1	NM	0	NM	NM
Oregon	NM	NM	NM	NM	NM	0	0	NM	0	0	0
Washington	5	1	303.0%	NM	NM	4	0	0	0	1	1
Pacific Noncontiguous	1,099	947	16.0%	924	815	155	116	1	1	19	15
Alaska	142	105	35.0%	136	101	NM	NM	0	NM	6	4
Hawaii	957	842	14.0%	788	713	155	116	1	1	13	12
U.S. Total	5,452	1,631	234.0%	2,641	1,282	2,724	297	NM	23	46	29

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

Table 2.10.A. Consumption of Petroleum Coke for Electricity Generation by State, by Sector, January 2022 and January 2021 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	January 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
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	59	53	10.0%	30	15	25	34	0	0	5	4
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	26	15	72.0%	22	11	0	0	0	0	5	4
Ohio	25	34	-28.0%	0	0	25	34	0	0	0	0
Wisconsin	8	4	108.0%	8	4	0	0	0	0	0	0
West North Central	0	1	-68.0%	0	0	0	0	0	0	0	1
Iowa	0	1	-68.0%	0	0	0	0	0	0	0	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	34	37	-9.5%	31	34	0	0	0	0	NM	3
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	31	34	-7.7%	31	34	0	0	0	0	0	0
Georgia	NM	3	NM	0	0	0	0	0	0	NM	3
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	109	166	-34.0%	105	162	0	0	0	0	3	3
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	105	162	-35.0%	105	162	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3	3	1.1%	0	0	0	0	0	0	3	3
Mountain	16	17	-9.5%	0	0	16	17	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	16	17	-9.5%	0	0	16	17	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	217	275	-21.0%	166	211	41	52	0	0	10	12

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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 2022 and January 2021 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 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	59	53	10.0%	30	15	25	34	0	0	5	4
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	26	15	72.0%	22	11	0	0	0	0	5	4
Ohio	25	34	-28.0%	0	0	25	34	0	0	0	0
Wisconsin	8	4	108.0%	8	4	0	0	0	0	0	0
West North Central	0	1	-68.0%	0	0	0	0	0	0	0	1
Iowa	0	1	-68.0%	0	0	0	0	0	0	0	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	34	37	-9.5%	31	34	0	0	0	0	NM	3
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	31	34	-7.7%	31	34	0	0	0	0	0	0
Georgia	NM	3	NM	0	0	0	0	0	0	NM	3
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	109	166	-34.0%	105	162	0	0	0	0	3	3
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	105	162	-35.0%	105	162	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3	3	1.1%	0	0	0	0	0	0	3	3
Mountain	16	17	-9.5%	0	0	16	17	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	16	17	-9.5%	0	0	16	17	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	217	275	-21.0%	166	211	41	52	0	0	10	12

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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 2022 and January 2021 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	January 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
New England	32,815	33,363	-1.6%	NM	NM	31,503	32,186	419	417	698	682
Connecticut	13,941	13,189	5.7%	29	28	13,495	12,749	140	145	278	267
Maine	2,187	1,317	66.0%	0	0	1,967	1,121	13	14	207	182
Massachusetts	10,780	12,463	-14.0%	NM	NM	10,298	12,091	249	238	76	94
New Hampshire	1,579	2,062	-23.0%	8	10	1,554	2,031	3	4	13	17
Rhode Island	4,327	4,330	-0.1%	0	0	4,190	4,193	14	16	NM	122
Vermont	1	1	-7.7%	1	1	0	0	1	1	0	0
Middle Atlantic	128,105	118,424	8.2%	6,590	11,560	118,699	105,030	746	639	2,070	1,195
New Jersey	12,749	11,460	11.0%	NM	NM	12,377	11,192	134	105	164	114
New York	35,513	33,985	4.5%	6,498	11,510	28,162	21,645	505	476	347	355
Pennsylvania	79,844	72,978	9.4%	18	0	78,160	72,193	108	58	1,558	727
East North Central	129,267	100,723	28.0%	47,717	32,668	78,125	65,071	703	634	2,723	2,350
Illinois	21,669	14,255	52.0%	5,589	494	15,590	13,211	210	198	279	351
Indiana	22,944	19,531	17.0%	9,999	7,825	11,534	10,592	80	73	1,331	1,040
Michigan	25,102	18,942	33.0%	10,416	6,217	14,092	12,194	279	234	316	298
Ohio	44,075	34,471	28.0%	7,265	5,776	36,538	28,474	86	82	187	138
Wisconsin	15,476	13,525	14.0%	14,448	12,356	371	598	48	47	609	523
West North Central	21,898	16,770	31.0%	17,773	13,358	3,537	2,894	151	143	437	375
Iowa	3,531	2,485	42.0%	3,232	2,216	0	0	45	49	254	221
Kansas	2,079	1,381	51.0%	NM	1,338	0	0	0	0	61	44
Minnesota	7,603	6,322	20.0%	5,045	4,292	2,449	1,942	47	38	61	50
Missouri	5,980	4,413	36.0%	4,814	3,390	1,089	952	57	53	21	19
Nebraska	796	615	29.0%	794	612	0	0	2	3	0	0
North Dakota	1,159	1,112	4.2%	1,135	1,084	0	0	0	0	23	28
South Dakota	751	441	70.0%	734	NM	0	0	0	0	17	NM
South Atlantic	232,288	208,404	11.0%	195,662	178,238	33,035	26,362	980	1,044	2,612	2,760
Delaware	1,787	631	183.0%	8	9	1,504	NM	0	0	276	397
District of Columbia	NM	147	NM	0	0	0	0	NM	147	0	0
Florida	105,750	91,092	16.0%	99,548	87,596	5,377	2,722	NM	NM	787	745
Georgia	37,383	34,648	7.9%	28,216	28,094	8,735	6,167	0	0	431	387
Maryland	5,579	6,003	-7.1%	1,316	418	3,506	4,827	740	741	17	17
North Carolina	36,435	29,657	23.0%	31,384	25,392	4,850	4,047	117	127	84	91
South Carolina	14,092	12,798	10.0%	13,617	12,488	NM	NM	0	0	86	128
Virginia	29,554	32,273	-8.4%	21,324	24,190	7,523	7,349	2	0	706	734
West Virginia	1,623	1,155	40.0%	249	51	1,150	843	0	0	224	261
East South Central	101,151	89,181	13.0%	74,707	68,074	24,435	19,136	93	94	1,916	1,878
Alabama	36,991	32,625	13.0%	13,839	12,715	22,318	19,094	0	0	833	816
Kentucky	15,746	9,109	73.0%	13,566	8,994	2,085	23	0	0	95	91
Mississippi	36,212	35,698	1.4%	35,912	35,421	22	3	0	0	279	274
Tennessee	12,202	11,751	3.8%	11,389	10,943	10	16	93	94	709	697
West South Central	222,911	190,918	17.0%	91,240	66,734	96,082	85,622	308	334	35,281	38,227
Arkansas	15,602	7,781	101.0%	14,734	6,933	694	685	NM	NM	133	122
Louisiana	43,625	34,352	27.0%	27,713	18,942	1,757	1,188	66	80	14,089	14,143
Oklahoma	20,630	22,486	-8.3%	14,082	13,982	6,157	8,145	0	0	391	359
Texas	143,055	126,298	13.0%	34,711	26,878	87,474	75,604	200	213	20,669	23,603
Mountain	60,775	70,296	-14.0%	47,635	53,522	12,006	15,550	152	198	983	1,025
Arizona	19,783	27,695	-29.0%	13,942	18,462	5,791	9,183	50	49	0	0
Colorado	9,824	10,033	-2.1%	8,551	8,415	1,187	1,526	1	0	84	92
Idaho	3,225	3,030	6.4%	2,036	1,953	1,100	995	16	15	73	67
Montana	367	224	64.0%	282	195	80	26	0	0	4	3
Nevada	14,015	15,404	-9.0%	12,537	13,948	1,341	1,332	21	20	115	104
New Mexico	5,572	6,969	-20.0%	3,057	4,469	2,468	2,450	46	50	1	0
Utah	7,249	6,253	16.0%	6,903	5,800	NM	NM	19	63	289	353
Wyoming	741	689	7.6%	325	280	1	1	0	0	415	408
Pacific Contiguous	70,722	68,991	2.5%	28,598	25,742	35,850	36,130	787	804	5,487	6,315
California	49,530	49,598	-0.1%	16,661	14,815	27,114	28,124	765	778	4,991	5,880
Oregon	12,610	11,301	12.0%	6,659	5,688	5,890	5,544	15	18	47	51
Washington	8,582	8,092	6.0%	5,278	5,239	2,846	2,462	8	7	449	384
Pacific Noncontiguous	2,226	1,931	15.0%	2,201	1,904	0	0	0	0	25	27
Alaska	2,226	1,931	15.0%	2,201	1,904	0	0	0	0	25	27
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,002,159	899,001	11.0%	512,316	451,875	433,272	387,982	4,339	4,308	52,232	54,836

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 2022 and January 2021 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	January 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
New England	32,815	33,363	-1.6%	NM	NM	31,503	32,186	419	417	698	682
Connecticut	13,941	13,189	5.7%	29	28	13,495	12,749	140	145	278	267
Maine	2,187	1,317	66.0%	0	0	1,967	1,121	13	14	207	182
Massachusetts	10,780	12,463	-14.0%	NM	NM	10,298	12,091	249	238	76	94
New Hampshire	1,579	2,062	-23.0%	8	10	1,554	2,031	3	4	13	17
Rhode Island	4,327	4,330	-0.1%	0	0	4,190	4,193	14	16	NM	122
Vermont	1	1	-7.7%	1	1	0	0	1	1	0	0
Middle Atlantic	128,105	118,424	8.2%	6,590	11,560	118,699	105,030	746	639	2,070	1,195
New Jersey	12,749	11,460	11.0%	NM	NM	12,377	11,192	134	105	164	114
New York	35,513	33,985	4.5%	6,498	11,510	28,162	21,645	505	476	347	355
Pennsylvania	79,844	72,978	9.4%	18	0	78,160	72,193	108	58	1,558	727
East North Central	129,267	100,723	28.0%	47,717	32,668	78,125	65,071	703	634	2,723	2,350
Illinois	21,669	14,255	52.0%	5,589	494	15,590	13,211	210	198	279	351
Indiana	22,944	19,531	17.0%	9,999	7,825	11,534	10,592	80	73	1,331	1,040
Michigan	25,102	18,942	33.0%	10,416	6,217	14,092	12,194	279	234	316	298
Ohio	44,075	34,471	28.0%	7,265	5,776	36,538	28,474	86	82	187	138
Wisconsin	15,476	13,525	14.0%	14,448	12,356	371	598	48	47	609	523
West North Central	21,898	16,770	31.0%	17,773	13,358	3,537	2,894	151	143	437	375
Iowa	3,531	2,485	42.0%	3,232	2,216	0	0	45	49	254	221
Kansas	2,079	1,381	51.0%	NM	1,338	0	0	0	0	61	44
Minnesota	7,603	6,322	20.0%	5,045	4,292	2,449	1,942	47	38	61	50
Missouri	5,980	4,413	36.0%	4,814	3,390	1,089	952	57	53	21	19
Nebraska	796	615	29.0%	794	612	0	0	2	3	0	0
North Dakota	1,159	1,112	4.2%	1,135	1,084	0	0	0	0	23	28
South Dakota	751	441	70.0%	734	NM	0	0	0	0	17	NM
South Atlantic	232,288	208,404	11.0%	195,662	178,238	33,035	26,362	980	1,044	2,612	2,760
Delaware	1,787	631	183.0%	8	9	1,504	NM	0	0	276	397
District of Columbia	NM	147	NM	0	0	0	0	NM	147	0	0
Florida	105,750	91,092	16.0%	99,548	87,596	5,377	2,722	NM	NM	787	745
Georgia	37,383	34,648	7.9%	28,216	28,094	8,735	6,167	0	0	431	387
Maryland	5,579	6,003	-7.1%	1,316	418	3,506	4,827	740	741	17	17
North Carolina	36,435	29,657	23.0%	31,384	25,392	4,850	4,047	117	127	84	91
South Carolina	14,092	12,798	10.0%	13,617	12,488	NM	NM	0	0	86	128
Virginia	29,554	32,273	-8.4%	21,324	24,190	7,523	7,349	2	0	706	734
West Virginia	1,623	1,155	40.0%	249	51	1,150	843	0	0	224	261
East South Central	101,151	89,181	13.0%	74,707	68,074	24,435	19,136	93	94	1,916	1,878
Alabama	36,991	32,625	13.0%	13,839	12,715	22,318	19,094	0	0	833	816
Kentucky	15,746	9,109	73.0%	13,566	8,994	2,085	23	0	0	95	91
Mississippi	36,212	35,698	1.4%	35,912	35,421	22	3	0	0	279	274
Tennessee	12,202	11,751	3.8%	11,389	10,943	10	16	93	94	709	697
West South Central	222,911	190,918	17.0%	91,240	66,734	96,082	85,622	308	334	35,281	38,227
Arkansas	15,602	7,781	101.0%	14,734	6,933	694	685	NM	NM	133	122
Louisiana	43,625	34,352	27.0%	27,713	18,942	1,757	1,188	66	80	14,089	14,143
Oklahoma	20,630	22,486	-8.3%	14,082	13,982	6,157	8,145	0	0	391	359
Texas	143,055	126,298	13.0%	34,711	26,878	87,474	75,604	200	213	20,669	23,603
Mountain	60,775	70,296	-14.0%	47,635	53,522	12,006	15,550	152	198	983	1,025
Arizona	19,783	27,695	-29.0%	13,942	18,462	5,791	9,183	50	49	0	0
Colorado	9,824	10,033	-2.1%	8,551	8,415	1,187	1,526	1	0	84	92
Idaho	3,225	3,030	6.4%	2,036	1,953	1,100	995	16	15	73	67
Montana	367	224	64.0%	282	195	80	26	0	0	4	3
Nevada	14,015	15,404	-9.0%	12,537	13,948	1,341	1,332	21	20	115	104
New Mexico	5,572	6,969	-20.0%	3,057	4,469	2,468	2,450	46	50	1	0
Utah	7,249	6,253	16.0%	6,903	5,800	NM	NM	19	63	289	353
Wyoming	741	689	7.6%	325	280	1	1	0	0	415	408
Pacific Contiguous	70,722	68,991	2.5%	28,598	25,742	35,850	36,130	787	804	5,487	6,315
California	49,530	49,598	-0.1%	16,661	14,815	27,114	28,124	765	778	4,991	5,880
Oregon	12,610	11,301	12.0%	6,659	5,688	5,890	5,544	15	18	47	51
Washington	8,582	8,092	6.0%	5,278	5,239	2,846	2,462	8	7	449	384
Pacific Noncontiguous	2,226	1,931	15.0%	2,201	1,904	0	0	0	0	25	27
Alaska	2,226	1,931	15.0%	2,201	1,904	0	0	0	0	25	27
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,002,159	899,001	11.0%	512,316	451,875	433,272	387,982	4,339	4,308	52,232	54,836

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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 2022 and January 2021 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
New England	989	861	15.0%	100	104	866	737	24	20	0	0
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	43	55	-22.0%	0	0	43	55	0	0	0	0
Massachusetts	294	309	-4.7%	0	0	294	309	0	0	0	0
New Hampshire	111	111	0.3%	0	0	88	91	24	20	0	0
Rhode Island	412	252	64.0%	0	0	412	252	0	0	0	0
Vermont	117	122	-4.1%	100	104	NM	NM	0	0	0	0
Middle Atlantic	2,859	3,330	-14.0%	0	0	2,762	3,154	NM	NM	59	96
New Jersey	358	423	-16.0%	0	0	343	406	NM	NM	0	0
New York	1,252	1,335	-6.2%	0	0	1,252	1,335	0	0	0	0
Pennsylvania	1,249	1,571	-20.0%	0	0	1,167	1,412	NM	NM	59	96
East North Central	4,636	5,440	-15.0%	805	870	3,782	4,513	33	36	16	21
Illinois	775	805	-3.6%	266	260	510	545	0	0	0	0
Indiana	653	729	-10.0%	539	610	114	118	0	0	0	0
Michigan	1,722	2,150	-20.0%	0	0	1,722	2,150	0	0	0	0
Ohio	765	907	-16.0%	0	0	765	907	0	0	0	0
Wisconsin	721	849	-15.0%	0	0	673	793	33	36	16	21
West North Central	787	837	-6.0%	284	314	500	520	0	0	NM	NM
Iowa	189	196	-3.8%	0	0	189	196	0	0	0	0
Kansas	127	132	-3.7%	0	0	127	132	0	0	0	0
Minnesota	161	170	-5.8%	60	66	101	105	0	0	0	0
Missouri	167	178	-6.3%	84	91	83	86	0	0	0	0
Nebraska	140	157	-11.0%	140	157	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	NM	NM	NM	0	0	0	0	0	0	NM	NM
South Atlantic	3,782	4,190	-9.7%	256	342	3,305	3,613	110	NM	112	116
Delaware	120	124	-3.7%	0	0	109	114	0	0	NM	NM
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	740	838	-12.0%	85	157	655	681	0	0	0	0
Georgia	529	571	-7.5%	0	0	518	560	0	0	NM	11
Maryland	165	213	-22.0%	0	0	88	131	NM	NM	0	0
North Carolina	768	882	-13.0%	0	0	761	874	NM	NM	0	0
South Carolina	282	301	-6.5%	171	185	NM	NM	0	0	91	NM
Virginia	1,176	1,255	-6.3%	0	0	1,150	1,227	NM	NM	0	0
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	479	499	-4.0%	191	199	288	300	0	0	0	0
Alabama	83	87	-3.9%	0	0	83	87	0	0	0	0
Kentucky	220	230	-4.0%	191	199	29	31	0	0	0	0
Mississippi	NM	NM	NM	0	0	NM	NM	0	0	0	0
Tennessee	156	162	-4.0%	0	0	156	162	0	0	0	0
West South Central	754	869	-13.0%	0	0	754	869	0	0	0	0
Arkansas	128	133	-3.6%	0	0	128	133	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	37	38	-4.4%	0	0	37	38	0	0	0	0
Texas	590	698	-16.0%	0	0	590	698	0	0	0	0
Mountain	561	587	-4.4%	46	48	441	462	75	77	0	0
Arizona	40	41	-4.0%	0	0	40	41	0	0	0	0
Colorado	88	92	-3.7%	0	0	88	92	0	0	0	0
Idaho	110	115	-4.2%	NM	28	35	37	48	NM	0	0
Montana	NM	NM	NM	NM	NM	0	0	0	0	0	0
Nevada	134	141	-5.1%	0	0	134	141	0	0	0	0
New Mexico	36	37	-4.3%	0	0	36	37	0	0	0	0
Utah	134	140	-4.4%	0	0	107	113	27	27	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	4,501	4,708	-4.4%	127	130	3,198	3,318	1,176	1,260	0	0
California	3,958	4,138	-4.3%	NM	NM	2,824	2,922	1,127	1,208	0	0
Oregon	461	484	-4.8%	119	122	292	310	NM	NM	0	0
Washington	82	86	-5.2%	0	0	82	86	0	0	0	0
Pacific Noncontiguous	71	73	-2.7%	0	0	0	0	71	73	0	0
Alaska	71	73	-2.7%	0	0	0	0	71	73	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	19,418	21,392	-9.2%	1,808	2,007	15,895	17,485	1,526	1,664	189	236

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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 2022 and January 2021 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	January 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
New England	989	861	15.0%	100	104	866	737	24	20	0	0
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	43	55	-22.0%	0	0	43	55	0	0	0	0
Massachusetts	294	309	-4.7%	0	0	294	309	0	0	0	0
New Hampshire	111	111	0.3%	0	0	88	91	24	20	0	0
Rhode Island	412	252	64.0%	0	0	412	252	0	0	0	0
Vermont	117	122	-4.1%	100	104	NM	NM	0	0	0	0
Middle Atlantic	2,859	3,330	-14.0%	0	0	2,762	3,154	NM	NM	59	96
New Jersey	358	423	-16.0%	0	0	343	406	NM	NM	0	0
New York	1,252	1,335	-6.2%	0	0	1,252	1,335	0	0	0	0
Pennsylvania	1,249	1,571	-20.0%	0	0	1,167	1,412	NM	NM	59	96
East North Central	4,636	5,440	-15.0%	805	870	3,782	4,513	33	36	16	21
Illinois	775	805	-3.6%	266	260	510	545	0	0	0	0
Indiana	653	729	-10.0%	539	610	114	118	0	0	0	0
Michigan	1,722	2,150	-20.0%	0	0	1,722	2,150	0	0	0	0
Ohio	765	907	-16.0%	0	0	765	907	0	0	0	0
Wisconsin	721	849	-15.0%	0	0	673	793	33	36	16	21
West North Central	787	837	-6.0%	284	314	500	520	0	0	NM	NM
Iowa	189	196	-3.8%	0	0	189	196	0	0	0	0
Kansas	127	132	-3.7%	0	0	127	132	0	0	0	0
Minnesota	161	170	-5.8%	60	66	101	105	0	0	0	0
Missouri	167	178	-6.3%	84	91	83	86	0	0	0	0
Nebraska	140	157	-11.0%	140	157	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	NM	NM	NM	0	0	0	0	0	0	NM	NM
South Atlantic	3,782	4,190	-9.7%	256	342	3,305	3,613	110	NM	112	116
Delaware	120	124	-3.7%	0	0	109	114	0	0	NM	NM
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	740	838	-12.0%	85	157	655	681	0	0	0	0
Georgia	529	571	-7.5%	0	0	518	560	0	0	NM	11
Maryland	165	213	-22.0%	0	0	88	131	NM	NM	0	0
North Carolina	768	882	-13.0%	0	0	761	874	NM	NM	0	0
South Carolina	282	301	-6.5%	171	185	NM	NM	0	0	91	NM
Virginia	1,176	1,255	-6.3%	0	0	1,150	1,227	NM	NM	0	0
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	479	499	-4.0%	191	199	288	300	0	0	0	0
Alabama	83	87	-3.9%	0	0	83	87	0	0	0	0
Kentucky	220	230	-4.0%	191	199	29	31	0	0	0	0
Mississippi	NM	NM	NM	0	0	NM	NM	0	0	0	0
Tennessee	156	162	-4.0%	0	0	156	162	0	0	0	0
West South Central	754	869	-13.0%	0	0	754	869	0	0	0	0
Arkansas	128	133	-3.6%	0	0	128	133	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	37	38	-4.4%	0	0	37	38	0	0	0	0
Texas	590	698	-16.0%	0	0	590	698	0	0	0	0
Mountain	561	587	-4.4%	46	48	441	462	75	77	0	0
Arizona	40	41	-4.0%	0	0	40	41	0	0	0	0
Colorado	88	92	-3.7%	0	0	88	92	0	0	0	0
Idaho	110	115	-4.2%	NM	28	35	37	48	NM	0	0
Montana	NM	NM	NM	NM	NM	0	0	0	0	0	0
Nevada	134	141	-5.1%	0	0	134	141	0	0	0	0
New Mexico	36	37	-4.3%	0	0	36	37	0	0	0	0
Utah	134	140	-4.4%	0	0	107	113	27	27	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	4,501	4,708	-4.4%	127	130	3,198	3,318	1,176	1,260	0	0
California	3,958	4,138	-4.3%	NM	NM	2,824	2,922	1,127	1,208	0	0
Oregon	461	484	-4.8%	119	122	292	310	NM	NM	0	0
Washington	82	86	-5.2%	0	0	82	86	0	0	0	0
Pacific Noncontiguous	71	73	-2.7%	0	0	0	0	71	73	0	0
Alaska	71	73	-2.7%	0	0	0	0	71	73	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	19,418	21,392	-9.2%	1,808	2,007	15,895	17,485	1,526	1,664	189	236

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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 2.13.A. Consumption of Biogenic Municipal Solid Waste for Electricity Generation by State, by Sector, January 2022 and January 2021 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
New England	268	267	0.4%	0	0	257	263	11	4	0	0
Connecticut	89	93	-4.1%	0	0	89	93	0	0	0	0
Maine	21	13	67.0%	0	0	10	9	11	4	0	0
Massachusetts	149	152	-1.8%	0	0	149	152	0	0	0	0
New Hampshire	8	9	-9.3%	0	0	8	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	376	418	-10.0%	0	0	294	328	81	90	0	0
New Jersey	98	109	-10.0%	0	0	69	79	29	29	0	0
New York	133	149	-10.0%	0	0	100	111	33	38	0	0
Pennsylvania	145	161	-10.0%	0	0	126	138	19	23	0	0
East North Central	14	14	1.8%	3	3	0	0	11	11	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	2	2	-10.0%	0	0	0	0	2	2	0	0
Michigan	10	9	2.4%	0	0	0	0	10	9	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	3	3	7.5%	3	3	0	0	0	0	0	0
West North Central	38	37	2.5%	19	18	19	19	0	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	38	37	2.5%	19	18	19	19	0	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	422	425	-0.6%	0	0	372	393	50	32	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	301	293	2.6%	0	0	275	293	26	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	42	49	-14.0%	0	0	42	49	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	79	82	-4.1%	0	0	54	50	24	32	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	1	-36.0%	0	0	0	0	0	0	0	1
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	1	-36.0%	0	0	0	0	0	0	0	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	52	58	-10.0%	0	0	52	58	0	0	0	0
California	33	34	-5.3%	0	0	33	34	0	0	0	0
Oregon	7	9	-26.0%	0	0	7	9	0	0	0	0
Washington	12	14	-12.0%	0	0	12	14	0	0	0	0
Pacific Noncontiguous	34	41	-16.0%	0	0	0	0	34	41	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	34	41	-16.0%	0	0	0	0	34	41	0	0
U.S. Total	1,204	1,260	-4.4%	22	20	994	1,061	188	178	0	1

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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 2.13.B. Consumption of Biogenic Municipal Solid Waste for Electricity Generation by State, by Sector, Year-to-Date through January 2022 and January 2021 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
New England	268	267	0.4%	0	0	257	263	11	4	0	0
Connecticut	89	93	-4.1%	0	0	89	93	0	0	0	0
Maine	21	13	67.0%	0	0	10	9	11	4	0	0
Massachusetts	149	152	-1.8%	0	0	149	152	0	0	0	0
New Hampshire	8	9	-9.3%	0	0	8	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	376	418	-10.0%	0	0	294	328	81	90	0	0
New Jersey	98	109	-10.0%	0	0	69	79	29	29	0	0
New York	133	149	-10.0%	0	0	100	111	33	38	0	0
Pennsylvania	145	161	-10.0%	0	0	126	138	19	23	0	0
East North Central	14	14	1.8%	3	3	0	0	11	11	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	2	2	-10.0%	0	0	0	0	2	2	0	0
Michigan	10	9	2.4%	0	0	0	0	10	9	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	3	3	7.5%	3	3	0	0	0	0	0	0
West North Central	38	37	2.5%	19	18	19	19	0	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	38	37	2.5%	19	18	19	19	0	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	422	425	-0.6%	0	0	372	393	50	32	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	301	293	2.6%	0	0	275	293	26	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	42	49	-14.0%	0	0	42	49	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	79	82	-4.1%	0	0	54	50	24	32	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	1	-36.0%	0	0	0	0	0	0	0	1
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	0	1	-36.0%	0	0	0	0	0	0	0	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	52	58	-10.0%	0	0	52	58	0	0	0	0
California	33	34	-5.3%	0	0	33	34	0	0	0	0
Oregon	7	9	-26.0%	0	0	7	9	0	0	0	0
Washington	12	14	-12.0%	0	0	12	14	0	0	0	0
Pacific Noncontiguous	34	41	-16.0%	0	0	0	0	34	41	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	34	41	-16.0%	0	0	0	0	34	41	0	0
U.S. Total	1,204	1,260	-4.4%	22	20	994	1,061	188	178	0	1

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

Table 2.14.A. Consumption of Wood / Wood Waste Biomass for Electricity Generation by State, by Sector, January 2022 and January 2021 (Billion Btus)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
New England	3,476	3,830	-9.2%	534	342	2,540	3,058	1	1	401	429
Connecticut	298	354	-16.0%	0	0	298	354	0	0	0	0
Maine	1,364	1,684	-19.0%	0	0	962	1,255	0	0	401	429
Massachusetts	NM	NM	NM	0	0	NM	NM	0	0	0	0
New Hampshire	951	1,015	-6.3%	0	0	951	1,015	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	706	564	25.0%	534	342	NM	NM	1	1	0	0
Middle Atlantic	795	823	-3.4%	0	0	511	551	0	0	285	272
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	607	628	-3.2%	0	0	511	551	0	0	97	77
Pennsylvania	188	196	-3.7%	0	0	0	0	0	0	188	196
East North Central	1,969	1,786	10.0%	516	435	952	831	0	0	501	521
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	1,229	1,121	9.6%	0	0	944	819	0	0	285	302
Ohio	95	108	-12.0%	0	0	8	11	0	0	87	97
Wisconsin	644	557	16.0%	516	435	0	0	0	0	128	122
West North Central	459	422	8.7%	NM	NM	93	96	89	53	250	253
Iowa	2	0	--	0	0	0	0	2	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	428	391	9.3%	NM	NM	93	96	69	32	238	242
Missouri	18	20	-13.0%	0	0	0	0	18	20	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	NM	NM	NM	0	0	0	0	0	0	NM	NM
South Atlantic	9,814	10,716	-8.4%	1,529	1,742	3,135	3,761	11	11	5,139	5,202
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	757	1,214	-38.0%	109	612	0	0	0	0	648	602
Georgia	3,921	4,285	-8.5%	0	0	1,850	2,181	0	0	2,070	2,105
Maryland	11	11	6.4%	0	0	0	0	11	11	0	0
North Carolina	955	1,098	-13.0%	0	0	400	536	0	0	555	563
South Carolina	1,416	1,595	-11.0%	0	0	617	791	0	0	799	803
Virginia	2,754	2,513	9.6%	1,420	1,130	268	NM	0	0	1,067	1,129
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	2,584	2,926	-12.0%	0	0	0	0	0	0	2,584	2,926
Alabama	1,663	2,007	-17.0%	0	0	0	0	0	0	1,663	2,007
Kentucky	104	98	6.9%	0	0	0	0	0	0	104	98
Mississippi	571	600	-4.8%	0	0	0	0	0	0	571	600
Tennessee	245	222	11.0%	0	0	0	0	0	0	245	222
West South Central	2,469	2,089	18.0%	544	0	0	0	0	0	1,925	2,089
Arkansas	383	424	-9.6%	0	0	0	0	0	0	383	424
Louisiana	996	1,094	-9.0%	0	0	0	0	0	0	996	1,094
Oklahoma	162	156	4.1%	0	0	0	0	0	0	162	156
Texas	928	415	124.0%	544	0	0	0	0	0	384	415
Mountain	510	615	-17.0%	0	0	379	457	0	0	131	158
Arizona	NM	342	NM	0	0	NM	342	0	0	0	0
Colorado	107	93	15.0%	0	0	107	93	0	0	0	0
Idaho	141	159	-11.0%	0	0	24	22	0	0	117	137
Montana	14	21	-36.0%	0	0	0	0	0	0	14	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	5,224	5,668	-7.8%	352	417	3,107	3,384	0	0	1,765	1,867
California	3,683	3,997	-7.9%	0	0	2,838	3,073	0	0	844	924
Oregon	648	658	-1.5%	0	0	269	312	0	0	379	346
Washington	893	1,013	-12.0%	352	417	0	0	0	0	542	596
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	27,301	28,875	-5.5%	3,501	2,956	10,718	12,138	101	64	12,980	13,716

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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 2022 and January 2021 (Billion Btus)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	January 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
New England	3,476	3,830	-9.2%	534	342	2,540	3,058	1	1	401	429
Connecticut	298	354	-16.0%	0	0	298	354	0	0	0	0
Maine	1,364	1,684	-19.0%	0	0	962	1,255	0	0	401	429
Massachusetts	NM	NM	NM	0	0	NM	NM	0	0	0	0
New Hampshire	951	1,015	-6.3%	0	0	951	1,015	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	706	564	25.0%	534	342	NM	NM	1	1	0	0
Middle Atlantic	795	823	-3.4%	0	0	511	551	0	0	285	272
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	607	628	-3.2%	0	0	511	551	0	0	97	77
Pennsylvania	188	196	-3.7%	0	0	0	0	0	0	188	196
East North Central	1,969	1,786	10.0%	516	435	952	831	0	0	501	521
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	1,229	1,121	9.6%	0	0	944	819	0	0	285	302
Ohio	95	108	-12.0%	0	0	8	11	0	0	87	97
Wisconsin	644	557	16.0%	516	435	0	0	0	0	128	122
West North Central	459	422	8.7%	NM	NM	93	96	89	53	250	253
Iowa	2	0	--	0	0	0	0	2	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	428	391	9.3%	NM	NM	93	96	69	32	238	242
Missouri	18	20	-13.0%	0	0	0	0	18	20	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	NM	NM	NM	0	0	0	0	0	0	NM	NM
South Atlantic	9,814	10,716	-8.4%	1,529	1,742	3,135	3,761	11	11	5,139	5,202
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	757	1,214	-38.0%	109	612	0	0	0	0	648	602
Georgia	3,921	4,285	-8.5%	0	0	1,850	2,181	0	0	2,070	2,105
Maryland	11	11	6.4%	0	0	0	0	11	11	0	0
North Carolina	955	1,098	-13.0%	0	0	400	536	0	0	555	563
South Carolina	1,416	1,595	-11.0%	0	0	617	791	0	0	799	803
Virginia	2,754	2,513	9.6%	1,420	1,130	268	NM	0	0	1,067	1,129
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	2,584	2,926	-12.0%	0	0	0	0	0	0	2,584	2,926
Alabama	1,663	2,007	-17.0%	0	0	0	0	0	0	1,663	2,007
Kentucky	104	98	6.9%	0	0	0	0	0	0	104	98
Mississippi	571	600	-4.8%	0	0	0	0	0	0	571	600
Tennessee	245	222	11.0%	0	0	0	0	0	0	245	222
West South Central	2,469	2,089	18.0%	544	0	0	0	0	0	1,925	2,089
Arkansas	383	424	-9.6%	0	0	0	0	0	0	383	424
Louisiana	996	1,094	-9.0%	0	0	0	0	0	0	996	1,094
Oklahoma	162	156	4.1%	0	0	0	0	0	0	162	156
Texas	928	415	124.0%	544	0	0	0	0	0	384	415
Mountain	510	615	-17.0%	0	0	379	457	0	0	131	158
Arizona	NM	342	NM	0	0	NM	342	0	0	0	0
Colorado	107	93	15.0%	0	0	107	93	0	0	0	0
Idaho	141	159	-11.0%	0	0	24	22	0	0	117	137
Montana	14	21	-36.0%	0	0	0	0	0	0	14	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	5,224	5,668	-7.8%	352	417	3,107	3,384	0	0	1,765	1,867
California	3,683	3,997	-7.9%	0	0	2,838	3,073	0	0	844	924
Oregon	648	658	-1.5%	0	0	269	312	0	0	379	346
Washington	893	1,013	-12.0%	352	417	0	0	0	0	542	596
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	27,301	28,875	-5.5%	3,501	2,956	10,718	12,138	101	64	12,980	13,716

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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, 2012 - January 2022

	Electric Power Sector			Electric Utilities			Independent Power Producers		
Period	Coal (Thousand Tons)	Petroleum Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)	Petroleum Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)	Coal (Thousand Tons)	Petroleum Liquids (Thousand Barrels)	Petroleum Coke (Thousand Tons)
End of Year Stocks									
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	133,327	26,063	298	107,968	15,941	273	25,359	10,123	25
2021	94,654	23,446	302	75,340	14,047	290	19,314	9,399	12
Year 2020, End of Month Stocks									
January	134,384	25,154	562	108,363	16,011	503	26,021	9,144	59
February	139,361	25,101	650	112,121	16,018	584	27,240	9,084	66
March	145,283	25,609	566	116,445	16,448	527	28,838	9,162	39
April	151,807	25,732	549	122,122	16,491	524	29,685	9,240	25
May	154,130	25,937	529	123,727	16,552	518	30,403	9,385	11
June	150,525	26,095	479	120,400	16,530	471	30,125	9,565	9
July	137,970	26,870	455	110,537	16,670	437	27,432	10,200	19
August	129,444	25,881	408	103,906	16,437	402	25,538	9,444	6
Sept	129,173	26,404	416	103,172	16,229	402	26,001	10,175	15
October	133,547	26,484	457	106,730	16,355	435	26,817	10,129	21
November	136,304	26,224	472	109,162	16,178	452	27,142	10,045	21
December	133,327	26,063	298	107,968	15,941	273	25,359	10,123	25
Year 2021, End of Month Stocks									
January	125,539	25,743	253	101,907	15,718	250	23,632	10,025	3
February	109,511	24,636	207	89,099	15,012	189	20,412	9,625	18
March	111,494	24,457	226	89,495	14,955	211	21,999	9,502	15
April	117,337	24,001	353	94,317	14,553	340	23,020	9,448	14
May	119,791	23,716	397	95,786	14,377	382	24,005	9,340	16
June	110,851	23,386	445	88,208	14,232	429	22,643	9,154	16
July	97,320	22,878	445	78,300	14,010	434	19,019	8,868	10
August	84,425	22,360	360	68,238	13,560	347	16,188	8,800	13
Sept	80,413	22,706	375	63,785	13,907	359	16,628	8,799	17
October	84,821	22,837	339	68,347	13,893	326	16,474	8,944	13
November	92,302	23,172	340	74,013	13,895	328	18,289	9,277	12
December	94,654	23,446	302	75,340	14,047	290	19,314	9,399	12
Year 2022, End of Month Stocks									
January	87,350	21,470	336	70,548	13,163	324	16,802	8,307	12

Notes: See Glossary for definitions. Values for 2020 and prior years are final. Values for 2021 and 2022 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 2022 and 2021

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	January 2022	January 2021	Percentage Change	January 2022	January 2021	Percentage Change	January 2022	January 2021	Percentage Change
New England	W	W	W	2,408	3,556	-32.3%	0	0	--
Connecticut	0	W	W	1,133	1,241	-8.7%	0	0	--
Maine	0	0	--	56	297	-81.1%	0	0	--
Massachusetts	0	0	--	786	1,434	-45.2%	0	0	--
New Hampshire	W	W	W	256	379	-32.3%	0	0	--
Rhode Island	0	0	--	153	174	-12.1%	0	0	--
Vermont	0	0	--	24	32	-23.7%	0	0	--
Middle Atlantic	2,287	3,392	-32.6%	4,240	5,256	-19.3%	0	0	--
New Jersey	W	W	W	685	762	-10.0%	0	0	--
New York	0	0	--	2,117	3,049	-30.6%	0	0	--
Pennsylvania	W	W	W	1,438	1,445	-0.5%	0	0	--
East North Central	19,398	28,658	-32.3%	1,471	1,640	-10.3%	W	W	W
Illinois	3,449	5,289	-34.8%	44	69	-36.2%	0	0	--
Indiana	5,578	9,625	-42.0%	112	98	14.9%	0	0	--
Michigan	2,234	4,164	-46.4%	219	257	-14.9%	W	W	W
Ohio	5,748	6,405	-10.3%	376	447	-15.8%	0	0	--
Wisconsin	2,389	3,174	-24.7%	719	769	-6.5%	W	W	W
West North Central	18,255	24,386	-25.1%	837	809	3.5%	0	0	--
Iowa	3,373	6,973	-51.6%	108	128	-15.4%	0	0	--
Kansas	2,991	3,414	-12.4%	156	125	25.0%	0	0	--
Minnesota	1,520	2,977	-48.9%	98	103	-5.0%	0	0	--
Missouri	5,616	6,799	-17.4%	282	264	7.2%	0	0	--
Nebraska	2,943	3,043	-3.3%	102	105	-3.1%	0	0	--
North Dakota	W	W	W	36	39	-6.6%	0	0	--
South Dakota	W	W	W	55	46	19.7%	0	0	--
South Atlantic	10,880	20,047	-45.7%	8,820	10,378	-15.0%	W	W	W
Delaware	W	W	W	487	558	-12.8%	0	0	--
District of Columbia	0	0	--	0	0	--	0	0	--
Florida	1,625	2,018	-19.4%	3,415	3,620	-5.7%	W	W	W
Georgia	2,552	5,259	-51.5%	1,003	1,014	-1.0%	0	0	--
Maryland	530	1,241	-57.3%	692	777	-11.0%	0	0	--
North Carolina	2,770	3,380	-18.0%	1,004	1,222	-17.9%	0	0	--
South Carolina	W	1,361	W	532	666	-20.2%	0	0	--
Virginia	W	620	W	1,530	2,375	-35.6%	0	0	--
West Virginia	W	W	W	157	147	7.1%	W	W	W
East South Central	6,813	11,185	-39.1%	1,044	1,153	-9.5%	W	0	W
Alabama	W	2,920	W	212	210	1.1%	0	0	--
Kentucky	3,063	5,416	-43.5%	249	242	3.1%	W	0	W
Mississippi	W	W	W	6	6	2.1%	0	0	--
Tennessee	1,828	W	W	576	696	-17.2%	0	0	--
West South Central	14,626	18,887	-22.6%	1,074	1,099	-2.3%	W	W	W
Arkansas	2,740	3,542	-22.6%	175	154	13.7%	0	0	--
Louisiana	2,126	3,971	-46.5%	200	208	-3.8%	W	W	W
Oklahoma	2,073	2,479	-16.4%	17	95	-81.7%	0	0	--
Texas	7,687	8,896	-13.6%	682	642	6.2%	0	0	--
Mountain	W	W	W	334	368	-9.2%	W	W	W
Arizona	2,288	3,541	-35.4%	108	119	-9.5%	0	0	--
Colorado	2,681	3,675	-27.0%	126	130	-3.1%	0	0	--
Idaho	0	0	--	0	0	181.0%	0	0	--
Montana	W	W	W	16	16	-2.3%	W	W	W
Nevada	W	W	W	2	1	221.6%	0	0	--
New Mexico	W	W	W	16	17	-6.2%	0	0	--
Utah	3,015	4,287	-29.7%	36	42	-14.7%	0	0	--
Wyoming	W	W	W	31	43	-27.8%	0	0	--
Pacific Contiguous	W	W	W	342	366	-6.4%	0	0	--
California	0	0	--	181	195	-7.3%	0	0	--
Oregon	0	0	--	68	73	-7.5%	0	0	--
Washington	W	W	W	94	98	-3.9%	0	0	--
Pacific Noncontiguous	W	130	W	900	1,118	-19.5%	0	0	--
Alaska	0	W	W	14	212	-93.6%	0	0	--
Hawaii	W	W	W	886	907	-2.2%	0	0	--
U.S. Total	87,350	125,539	-30.4%	21,470	25,743	-16.6%	336	253	33.1%

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
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 2022 and 2021

	Electric Power Sector			Electric Utilities		Independent Power Producers	
Census Division	January 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021
Coal (Thousand Tons)							
New England	W	W	W	W	W	0	W
Middle Atlantic	2,287	3,392	-32.6%	W	W	W	W
East North Central	19,398	28,658	-32.3%	11,139	17,464	8,259	11,193
West North Central	18,255	24,386	-25.1%	18,255	24,386	0	0
South Atlantic	10,880	20,047	-45.7%	9,904	18,107	976	1,940
East South Central	6,813	11,185	-39.1%	6,813	11,185	0	0
West South Central	14,626	18,887	-22.6%	10,532	13,295	4,094	5,592
Mountain	W	W	W	W	W	W	W
Pacific Contiguous	W	W	W	0	0	W	W
Pacific Noncontiguous	W	130	W	0	W	W	W
U.S. Total	**87,350**	**125,539**	**-30.4%**	**70,548**	**101,907**	**16,802**	**23,632**
Petroleum Liquids (Thousand Barrels)							
New England	2,408	3,556	-32.3%	415	519	1,993	3,037
Middle Atlantic	4,240	5,256	-19.3%	1,244	1,939	2,996	3,316
East North Central	1,471	1,640	-10.3%	631	724	839	916
West North Central	837	809	3.5%	812	784	25	25
South Atlantic	8,820	10,378	-15.0%	6,777	8,090	2,043	2,288
East South Central	1,044	1,153	-9.5%	944	1,062	100	91
West South Central	1,074	1,099	-2.3%	897	903	176	196
Mountain	334	368	-9.2%	307	339	27	29
Pacific Contiguous	342	366	-6.4%	256	269	87	97
Pacific Noncontiguous	900	1,118	-19.5%	879	1,089	21	29
U.S. Total	**21,470**	**25,743**	**-16.6%**	**13,163**	**15,718**	**8,307**	**10,025**
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	0
West North Central	0	0	--	0	0	0	0
South Atlantic	W	W	W	W	W	W	W
East South Central	W	0	W	W	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	**336**	**253**	**33.1%**	**324**	**250**	**12**	**3**

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, 2012 - January 2022
(Thousand Tons)

	Electric Power Sector			
Period	Bituminous Coal	Subbituminous Coal	Lignite Coal	Total
End of Year Stocks				
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	52,541	77,036	3,556	133,327
2021	37,470	54,586	2,598	94,654
Year 2020, End of Month Stocks				
January	56,339	74,483	3,307	134,384
February	57,324	78,571	3,235	139,361
March	59,934	81,469	3,624	145,283
April	61,928	85,646	3,947	151,807
May	61,592	88,064	4,117	154,130
June	59,475	86,585	4,140	150,525
July	53,727	79,684	4,245	137,970
August	50,769	74,087	4,338	129,444
Sept	50,322	74,586	4,070	129,173
October	53,519	76,062	3,772	133,547
November	54,825	77,585	3,702	136,304
December	52,541	77,036	3,556	133,327
Year 2021, End of Month Stocks				
January	49,591	73,029	2,778	125,539
February	43,802	62,897	2,701	109,511
March	43,995	64,467	2,885	111,494
April	46,176	67,963	3,028	117,337
May	46,486	69,851	3,230	119,791
June	42,909	64,717	2,999	110,851
July	37,585	56,765	2,782	97,320
August	32,857	48,729	2,684	84,425
Sept	31,393	46,243	2,776	80,413
October	34,511	47,354	2,956	84,821
November	37,350	51,673	3,279	92,302
December	37,470	54,586	2,598	94,654
Year 2022, End of Month Stocks				
January	33,614	51,049	2,686	87,350

Notes: See Glossary for definitions.
Values for 2020 and prior years are final. Values for 2021 and 2022 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), 2012 - January 2022

	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												
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	8,329,180	439,636	1.92	36.36	1.28	98.6	77,184	12,864	9.76	58.55	0.49	65.2
2021	8,668,707	456,033	1.98	37.66	1.31	89.1	85,235	14,198	14.51	87.10	0.50	62.2
Year 2020												
January	824,546	43,600	1.94	36.61	1.24	115.1	5,667	951	13.94	83.09	0.53	50.4
February	697,756	37,081	1.90	35.84	1.27	112.2	6,854	1,137	13.10	78.94	0.49	70.5
March	664,804	35,069	1.93	36.61	1.32	117.3	6,989	1,159	10.51	63.35	0.51	81.9
April	567,451	30,302	1.92	36.02	1.24	124.1	4,472	756	8.52	50.37	0.52	54.5
May	540,788	29,157	1.89	35.11	1.15	105.8	6,846	1,155	6.64	39.34	0.50	80.4
June	627,221	33,181	1.90	36.02	1.29	88.9	7,084	1,179	7.39	44.42	0.48	71.0
July	717,893	37,878	1.91	36.18	1.30	74.9	7,372	1,223	8.70	52.42	0.48	67.1
August	782,641	41,033	1.94	36.97	1.28	80.1	5,242	874	10.09	60.51	0.49	49.3
Sept	727,047	38,209	1.94	36.92	1.27	96.7	4,956	826	9.66	57.95	0.51	54.1
October	715,434	37,289	1.91	36.69	1.37	107.4	7,388	1,224	9.24	55.77	0.48	71.5
November	712,614	37,275	1.91	36.50	1.34	106.1	5,895	979	9.53	57.41	0.45	60.6
December	750,986	39,562	1.92	36.39	1.28	89.0	8,420	1,400	10.16	61.14	0.50	74.2
Year 2021												
January	714,629	37,454	1.91	36.38	1.33	81.0	7,316	1,203	10.92	66.47	0.52	66.5
February	592,181	30,875	1.93	37.08	1.39	63.1	7,780	1,300	12.52	74.96	0.53	35.4
March	683,542	35,791	1.90	36.28	1.34	101.1	6,622	1,094	13.08	79.14	0.52	68.4
April	671,262	34,898	1.90	36.54	1.37	112.8	5,443	901	13.46	81.27	0.53	59.3
May	718,977	37,632	1.90	36.26	1.32	103.2	5,904	985	13.84	82.95	0.50	62.4
June	762,599	39,780	1.96	37.53	1.34	81.4	7,100	1,182	14.48	86.95	0.48	70.2
July	786,943	41,826	2.01	37.89	1.25	73.0	6,449	1,082	14.96	89.19	0.56	66.5
August	799,260	42,135	2.06	39.12	1.31	73.8	6,489	1,082	15.10	90.55	0.50	47.3
Sept	746,937	39,564	2.01	38.02	1.25	87.5	9,337	1,533	14.47	88.17	0.48	86.9
October	723,738	38,176	2.03	38.55	1.29	104.7	7,110	1,188	16.12	96.51	0.44	67.8
November	734,557	39,029	2.04	38.46	1.28	115.8	7,633	1,291	17.49	103.44	0.48	75.5
December	734,081	38,872	2.08	39.24	1.26	110.1	8,052	1,357	16.99	100.84	0.49	73.9
Year 2022												
January	740,486	39,503	2.21	41.40	1.21	79.7	13,121	2,193	17.55	105.31	0.49	37.5
Year to Date												
2020	824,546	43,600	1.94	36.61	1.24	115.1	5,667	951	13.94	83.09	0.53	50.4
2021	714,629	37,454	1.91	36.38	1.33	81.0	7,316	1,203	10.92	66.47	0.52	66.5
2022	740,486	39,503	2.21	41.40	1.21	79.7	13,121	2,193	17.55	105.31	0.49	37.5
Rolling 12 Months Ending in January												
2021	8,219,263	433,490	1.92	36.34	1.29	95.5	78,832	13,116	9.56	57.49	0.49	66.7
2022	8,694,564	458,082	2.01	38.09	1.30	88.9	91,040	15,189	15.23	91.34	0.50	56.5

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

Notes:
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 2020 and prior years are final. Values for 2021 and 2022 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), 2012 - January 2022 (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												
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	62.1	12,370,182	11,971,059	2.40	2.48	90.6	2.22
2021	64,891	2,296	3.16	89.27	5.24	60.4	11,040,359	10,688,997	4.98	5.14	83.9	3.64
Year 2020												
January	8,421	295	1.53	43.68	5.34	89.2	1,007,381	972,621	2.62	2.71	88.0	2.33
February	6,913	244	1.47	41.75	4.99	89.4	956,498	924,349	2.40	2.48	89.2	2.22
March	4,942	174	1.36	38.61	5.46	52.5	952,513	920,113	2.14	2.22	89.1	2.09
April	5,150	180	1.38	39.50	5.35	63.3	839,304	809,061	2.10	2.18	89.0	2.04
May	5,495	195	1.61	45.35	5.30	61.1	897,958	870,122	2.17	2.24	91.2	2.08
June	5,648	199	1.46	41.45	6.01	50.2	1,103,336	1,070,479	2.03	2.09	92.0	2.00
July	7,307	259	1.54	43.52	5.88	63.9	1,406,251	1,363,805	2.06	2.12	92.2	2.03
August	6,903	244	1.87	52.98	5.65	63.7	1,334,704	1,293,316	2.41	2.49	91.9	2.24
Sept	3,876	140	1.93	53.45	5.21	56.8	1,074,079	1,039,880	2.42	2.50	91.6	2.24
October	3,746	134	2.08	58.22	4.96	60.3	1,006,339	974,851	2.50	2.58	90.9	2.27
November	4,711	167	2.25	63.61	4.99	56.9	837,915	811,242	3.00	3.09	90.8	2.50
December	4,729	167	2.33	66.30	5.44	44.7	953,903	921,219	3.17	3.28	90.2	2.63
Year 2021												
January	5,427	190	2.59	73.95	5.38	54.1	890,087	860,959	3.19	3.30	85.4	2.63
February	4,645	164	2.33	66.18	5.37	47.7	773,534	747,326	15.52	16.07	83.2	9.35
March	6,956	247	2.56	72.10	5.28	72.9	752,157	727,605	3.26	3.37	83.5	2.63
April	5,749	206	2.88	80.22	5.16	95.1	751,516	728,269	3.01	3.11	83.7	2.51
May	5,309	185	2.73	78.46	5.43	67.6	815,607	790,531	3.24	3.34	84.7	2.62
June	5,260	184	3.34	95.30	5.13	70.7	1,051,232	1,018,590	3.45	3.56	84.5	2.83
July	6,204	219	3.35	94.94	5.15	64.0	1,172,777	1,134,886	3.98	4.11	83.2	3.18
August	4,179	147	3.21	91.15	5.43	41.0	1,192,425	1,154,858	4.30	4.44	83.2	3.39
Sept	5,608	203	3.62	100.04	4.77	63.4	966,445	936,013	4.92	5.09	84.0	3.65
October	4,814	170	3.03	85.94	5.27	54.3	922,764	893,914	5.58	5.76	83.9	4.00
November	6,105	218	4.34	121.62	5.04	57.6	864,364	837,101	5.69	5.88	83.1	4.01
December	4,634	163	3.89	110.86	5.60	53.3	887,451	858,947	4.98	5.14	84.3	3.68
Year 2022												
January	5,343	189	4.32	122.16	5.11	67.1	957,434	926,905	5.85	6.04	83.2	4.29
Year to Date												
2020	8,421	295	1.53	43.68	5.34	89.2	1,007,381	972,621	2.62	2.71	88.0	2.33
2021	5,427	190	2.59	73.95	5.38	54.1	890,087	860,959	3.19	3.30	85.4	2.63
2022	5,343	189	4.32	122.16	5.11	67.1	957,434	926,905	5.85	6.04	83.2	4.29
Rolling 12 Months Ending in January												
2021	64,848	2,292	1.79	50.74	5.42	59.1	12,252,888	11,859,397	2.44	2.52	90.4	2.24
2022	64,807	2,295	3.30	93.25	5.21	61.5	11,107,706	10,754,943	5.19	5.36	83.7	3.78

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

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

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- See Glossary for definitions.
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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 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2012 - January 2022

	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												
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	6,256,811	327,488	1.96	37.49	1.15	100.2	56,530	9,371	9.84	59.37	0.47	67.1
2021	6,405,296	335,608	2.03	38.79	1.15	89.6	63,448	10,490	14.47	87.53	0.47	66.6
Year 2020												
January	607,032	31,970	1.97	37.43	1.11	116.3	4,738	793	13.76	82.24	0.48	54.9
February	514,565	27,219	1.94	36.69	1.11	114.2	5,900	976	12.90	77.97	0.46	84.8
March	493,867	25,974	1.96	37.29	1.13	119.0	5,397	890	10.39	62.96	0.47	92.2
April	434,599	22,675	1.97	37.73	1.18	132.5	2,763	465	8.47	50.32	0.47	52.7
May	403,390	21,343	1.92	36.34	1.08	107.0	4,283	718	6.79	40.50	0.48	70.4
June	467,961	24,558	1.95	37.21	1.13	88.0	4,390	726	6.78	41.00	0.47	60.8
July	551,833	28,915	1.95	37.25	1.15	75.3	5,830	960	8.50	51.60	0.47	73.8
August	603,152	31,307	1.99	38.37	1.16	80.1	3,924	651	10.21	61.56	0.47	50.4
Sept	554,014	28,885	2.00	38.29	1.12	97.0	3,475	573	9.75	59.06	0.46	51.7
October	535,411	27,744	1.96	37.82	1.23	110.7	5,944	979	9.32	56.60	0.46	77.5
November	527,752	27,451	1.96	37.63	1.21	110.9	4,108	680	9.44	57.04	0.48	60.7
December	563,234	29,446	1.96	37.41	1.16	92.6	5,778	959	10.23	61.60	0.48	77.9
Year 2021												
January	521,272	27,203	1.98	37.88	1.17	81.5	5,708	931	10.84	66.52	0.47	72.4
February	430,315	22,352	1.97	38.01	1.23	61.4	6,173	1,026	12.59	75.75	0.47	41.7
March	499,771	26,105	1.95	37.37	1.17	100.9	5,023	822	13.17	80.45	0.48	76.1
April	503,204	26,106	1.94	37.36	1.21	115.5	4,152	683	13.57	82.48	0.47	64.7
May	536,132	27,793	1.95	37.67	1.17	102.6	4,515	749	13.93	84.03	0.47	69.1
June	567,818	29,569	2.01	38.60	1.18	81.4	5,310	878	14.46	87.42	0.47	79.1
July	592,842	31,362	2.07	39.21	1.08	74.2	4,813	803	15.00	89.94	0.53	72.4
August	599,572	31,414	2.13	40.63	1.16	73.7	4,797	796	15.30	92.21	0.44	47.9
Sept	552,990	29,186	2.07	39.30	1.08	86.5	7,861	1,280	14.42	88.56	0.46	100.2
October	530,002	27,818	2.08	39.72	1.14	107.7	4,984	824	16.18	97.90	0.44	66.6
November	531,750	28,219	2.07	38.95	1.08	119.6	4,721	791	17.69	105.66	0.50	68.0
December	539,628	28,481	2.11	40.06	1.09	113.7	5,393	908	17.29	102.66	0.47	73.9
Year 2022												
January	542,299	28,828	2.25	42.26	1.07	80.5	6,064	1,011	17.08	102.47	0.46	37.9
Year to Date												
2020	607,032	31,970	1.97	37.43	1.11	116.3	4,738	793	13.76	82.24	0.48	54.9
2021	521,272	27,203	1.98	37.88	1.17	81.5	5,708	931	10.84	66.52	0.47	72.4
2022	542,299	28,828	2.25	42.26	1.07	80.5	6,064	1,011	17.08	102.47	0.46	37.9
Rolling 12 Months Ending in January												
2021	6,171,051	322,721	1.96	37.53	1.15	97.0	57,500	9,508	9.62	58.17	0.47	68.8
2022	6,426,323	337,232	2.05	39.16	1.14	89.4	63,804	10,571	15.04	90.81	0.47	61.7

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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 2020 and prior years are final. Values for 2021 and 2022 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.
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- Totals may not equal the sum of components because of independent rounding.

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

Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2012 - January 2022 (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												
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	6,196,320	6,000,750	2.63	2.72	96.3	2.32
2021	64,891	2,296	3.16	89.27	5.24	98.0	5,345,530	5,178,607	5.03	5.19	87.4	3.45
Year 2020												
January	8,421	295	1.53	43.68	5.34	144.1	494,000	477,695	2.85	2.95	94.0	2.41
February	6,913	244	1.47	41.75	4.99	164.5	480,258	464,716	2.64	2.73	96.4	2.33
March	4,942	174	1.36	38.61	5.46	82.4	488,297	471,965	2.34	2.42	96.5	2.19
April	5,150	180	1.38	39.50	5.35	98.8	431,390	415,554	2.33	2.42	96.3	2.16
May	5,495	195	1.61	45.35	5.30	104.2	468,100	453,784	2.43	2.51	97.0	2.21
June	5,648	199	1.46	41.45	6.01	77.0	560,552	544,664	2.26	2.33	96.8	2.14
July	6,801	240	1.53	43.25	5.87	92.0	700,253	679,974	2.23	2.29	96.1	2.13
August	6,229	219	1.89	53.72	5.63	92.4	664,394	644,016	2.59	2.67	96.3	2.33
Sept	3,305	119	1.97	54.59	5.08	102.2	527,005	510,468	2.71	2.79	96.7	2.36
October	3,340	118	2.12	59.66	4.87	143.2	502,129	486,600	2.74	2.83	96.6	2.38
November	4,711	167	2.25	63.61	4.99	105.0	410,600	397,887	3.38	3.49	97.2	2.61
December	4,729	167	2.33	66.30	5.44	73.1	469,341	453,428	3.40	3.52	95.9	2.65
Year 2021												
January	5,427	190	2.59	73.95	5.38	89.7	429,643	415,825	3.42	3.54	91.2	2.68
February	4,645	164	2.33	66.18	5.37	73.1	366,206	354,246	13.17	13.61	87.2	7.12
March	6,956	247	2.56	72.10	5.28	121.1	371,363	359,586	3.65	3.77	88.9	2.73
April	5,749	206	2.88	80.22	5.16	192.7	370,236	359,088	3.31	3.42	88.8	2.57
May	5,309	185	2.73	78.46	5.43	124.6	404,502	392,330	3.54	3.65	90.4	2.69
June	5,260	184	3.34	95.30	5.13	123.9	512,102	496,198	3.68	3.80	86.1	2.86
July	6,204	219	3.35	94.94	5.15	99.3	584,164	565,246	4.18	4.32	85.9	3.16
August	4,179	147	3.21	91.15	5.43	60.1	585,088	566,723	4.47	4.62	85.3	3.33
Sept	5,608	203	3.62	100.04	4.77	106.5	463,216	448,849	5.04	5.20	86.7	3.51
October	4,814	170	3.03	85.94	5.27	83.5	430,320	417,330	5.89	6.07	86.9	3.84
November	6,105	218	4.34	121.62	5.04	84.6	410,229	397,825	6.07	6.26	86.2	3.87
December	4,634	163	3.89	110.86	5.60	89.1	418,460	405,360	5.40	5.58	87.3	3.62
Year 2022												
January	5,343	189	4.32	122.16	5.11	112.6	463,200	448,875	5.76	5.94	86.9	3.94
Year to Date												
2020	8,421	295	1.53	43.68	5.34	144.1	494,000	477,695	2.85	2.95	94.0	2.41
2021	5,427	190	2.59	73.95	5.38	89.7	429,643	415,825	3.42	3.54	91.2	2.68
2022	5,343	189	4.32	122.16	5.11	112.6	463,200	448,875	5.76	5.94	86.9	3.94
Rolling 12 Months Ending in January												
2021	62,690	2,212	1.79	50.88	5.40	96.9	6,131,963	5,938,881	2.67	2.75	96.1	2.34
2022	64,807	2,295	3.30	93.25	5.21	99.8	5,379,087	5,211,656	5.22	5.39	87.0	3.55

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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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- 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, 2012 - January 2022

	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												
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	1,937,714	105,627	1.74	31.92	1.72	97.1	18,954	3,216	9.44	55.61	0.49	88.7
2021	2,125,215	113,801	1.80	33.67	1.80	89.9	19,407	3,321	14.83	86.64	0.47	72.7
Year 2020												
January	204,384	10,993	1.79	33.36	1.63	117.5	767	132	15.20	88.67	0.56	52.0
February	171,467	9,284	1.76	32.52	1.73	112.5	765	130	14.78	86.92	0.57	51.5
March	157,521	8,456	1.78	33.11	1.91	117.4	1,400	238	10.94	64.41	0.52	81.4
April	122,808	7,138	1.72	29.55	1.47	109.2	1,594	273	8.43	49.32	0.52	109.6
May	127,290	7,319	1.75	30.51	1.37	106.4	2,434	416	6.31	36.86	0.50	156.1
June	149,025	8,115	1.72	31.63	1.80	93.0	2,598	437	8.36	49.77	0.48	142.9
July	155,687	8,460	1.72	31.65	1.84	74.2	1,418	243	9.48	55.19	0.48	67.7
August	169,527	9,246	1.71	31.48	1.73	81.1	1,180	201	9.72	56.97	0.50	61.2
Sept	163,030	8,829	1.72	31.78	1.80	98.8	1,315	226	9.46	55.17	0.52	84.8
October	167,811	8,964	1.71	32.08	1.84	101.6	1,303	222	8.75	51.26	0.52	76.4
November	173,645	9,286	1.72	32.19	1.73	97.0	1,703	285	9.72	58.12	0.39	92.2
December	175,520	9,538	1.74	32.07	1.65	81.1	2,476	414	9.97	59.69	0.48	91.3
Year 2021												
January	182,276	9,721	1.67	31.43	1.81	81.3	1,382	235	11.20	65.84	0.60	73.2
February	151,302	8,027	1.78	33.56	1.85	68.8	1,407	241	12.30	71.74	0.64	26.8
March	173,406	9,200	1.71	32.35	1.83	106.0	1,398	239	12.83	75.08	0.55	87.3
April	156,479	8,243	1.73	32.90	1.89	109.8	1,055	180	13.21	77.50	0.55	65.7
May	170,249	9,243	1.70	31.31	1.80	108.3	1,245	213	13.70	79.95	0.51	73.9
June	182,572	9,623	1.77	33.68	1.84	82.4	1,658	282	14.56	85.49	0.49	71.6
July	183,396	9,940	1.80	33.30	1.79	70.5	1,430	245	14.97	87.24	0.48	74.4
August	188,565	10,175	1.83	34.03	1.77	74.6	1,455	248	14.84	87.08	0.50	61.4
Sept	181,985	9,799	1.81	33.58	1.75	92.1	1,266	219	15.12	87.46	0.43	68.8
October	182,538	9,824	1.85	34.47	1.75	100.7	1,929	332	16.32	94.81	0.33	113.7
November	189,678	10,174	1.96	36.64	1.82	111.5	2,714	468	17.39	100.77	0.37	128.9
December	182,771	9,832	1.95	36.27	1.75	105.1	2,467	418	16.54	97.70	0.41	102.9
Year 2022												
January	185,869	10,079	2.07	38.23	1.63	78.6	6,777	1,137	18.21	109.14	0.45	40.8
Year to Date												
2020	204,384	10,993	1.79	33.36	1.63	117.5	767	132	15.20	88.67	0.56	52.0
2021	182,276	9,721	1.67	31.43	1.81	81.3	1,382	235	11.20	65.84	0.60	73.2
2022	185,869	10,079	2.07	38.23	1.63	78.6	6,777	1,137	18.21	109.14	0.45	40.8
Rolling 12 Months Ending in January												
2021	1,915,606	104,355	1.73	31.72	1.73	93.6	19,569	3,320	9.33	55.01	0.50	89.9
2022	2,128,808	114,158	1.83	34.26	1.79	89.5	24,802	4,223	15.94	93.80	0.46	60.1

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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.

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Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2012 - January 2022 (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												
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	5,359,545	5,178,938	2.10	2.17	96.1	2.01
2021	0	0	--	--	--	0.0	4,913,433	4,750,582	4.97	5.14	88.9	3.90
Year 2020												
January	0	0	--	--	--	0.0	439,277	423,067	2.36	2.45	96.2	2.17
February	0	0	--	--	--	0.0	408,600	394,000	2.10	2.18	96.0	2.00
March	0	0	--	--	--	0.0	395,838	381,693	1.87	1.94	95.3	1.87
April	0	0	--	--	--	0.0	343,630	331,126	1.80	1.87	95.8	1.80
May	0	0	--	--	--	0.0	363,766	352,083	1.81	1.88	95.6	1.82
June	0	0	--	--	--	0.0	476,065	460,955	1.72	1.78	96.5	1.75
July	0	0	--	--	--	0.0	636,749	616,411	1.86	1.93	96.8	1.85
August	0	0	--	--	--	0.0	601,965	582,838	2.18	2.25	96.2	2.07
Sept	0	0	--	--	--	0.0	483,385	467,471	2.02	2.09	96.0	1.95
October	0	0	--	--	--	0.0	439,690	425,470	2.16	2.23	96.1	2.03
November	0	0	--	--	--	0.0	360,175	348,114	2.47	2.56	96.2	2.22
December	0	0	--	--	--	0.0	410,405	395,711	2.89	3.00	96.1	2.53
Year 2021												
January	0	0	--	--	--	0.0	388,713	375,508	2.95	3.06	90.2	2.52
February	0	0	--	--	--	0.0	354,439	341,700	18.90	19.62	89.7	13.10
March	0	0	--	--	--	0.0	320,733	309,654	2.80	2.90	89.2	2.41
April	0	0	--	--	--	0.0	321,990	311,457	2.65	2.74	88.7	2.33
May	0	0	--	--	--	0.0	348,522	337,274	2.81	2.91	88.3	2.42
June	0	0	--	--	--	0.0	474,041	459,044	3.15	3.26	90.3	2.73
July	0	0	--	--	--	0.0	521,992	505,005	3.70	3.83	87.5	3.15
August	0	0	--	--	--	0.0	538,896	521,587	4.08	4.22	87.6	3.42
Sept	0	0	--	--	--	0.0	440,129	425,745	4.79	4.95	89.1	3.80
October	0	0	--	--	--	0.0	425,640	411,587	5.18	5.36	88.8	4.09
November	0	0	--	--	--	0.0	384,466	371,463	5.22	5.41	88.3	4.08
December	0	0	--	--	--	0.0	393,873	380,556	4.45	4.61	90.2	3.62
Year 2022												
January	0	0	--	--	--	0.0	419,162	405,099	6.21	6.43	87.6	4.93
Year to Date												
2020	0	0	--	--	--	0.0	439,277	423,067	2.36	2.45	96.2	2.17
2021	0	0	--	--	--	0.0	388,713	375,508	2.95	3.06	90.2	2.52
2022	0	0	--	--	--	0.0	419,162	405,099	6.21	6.43	87.6	4.93
Rolling 12 Months Ending in January												
2021	0	0	--	--	--	0.0	5,308,981	5,131,379	2.14	2.21	95.6	2.03
2022	0	0	--	--	--	0.0	4,943,883	4,780,174	5.20	5.39	88.7	4.09

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Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 2012 - January 2022

	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												
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	1.2	0	0	--	--	--	0.0
2021	262	11	3.03	69.50	2.94	2.1	0	0	--	--	--	0.0
Year 2020												
January	26	1	2.96	67.40	2.94	2.3	0	0	--	--	--	0.0
February	58	3	2.96	67.58	2.96	4.7	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	2.7	0	0	--	--	--	0.0
December	24	1	2.96	67.61	2.87	2.0	0	0	--	--	--	0.0
Year 2021												
January	28	1	2.96	68.67	2.86	2.4	0	0	--	--	--	0.0
February	93	4	2.96	67.61	2.82	6.6	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	21	1	3.09	71.22	3.05	1.9	0	0	--	--	--	0.0
October	60	3	3.09	71.01	3.01	5.6	0	0	--	--	--	0.0
November	28	1	3.09	71.01	3.01	2.4	0	0	--	--	--	0.0
December	33	1	3.07	70.46	3.08	3.1	0	0	--	--	--	0.0
Year 2022												
January	74	3	3.95	90.18	3.03	6.8	0	0	--	--	--	0.0
Year to Date												
2020	26	1	2.96	67.40	2.94	2.3	0	0	--	--	--	0.0
2021	28	1	2.96	68.67	2.86	2.4	0	0	--	--	--	0.0
2022	74	3	3.95	90.18	3.03	6.8	0	0	--	--	--	0.0
Rolling 12 Months Ending in January												
2021	134	6	2.96	67.92	2.91	1.2	0	0	--	--	--	0.0
2022	308	13	3.25	74.55	2.97	2.5	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, 2012 - January 2022 (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												
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
2021	0	0	--	--	--	0.0	8,869	8,528	3.42	3.56	6.7	3.41
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	5.9	3.11
March	0	0	--	--	--	0.0	751	722	3.10	3.22	7.0	3.10
April	0	0	--	--	--	0.0	661	638	3.09	3.20	7.0	3.09
May	0	0	--	--	--	0.0	657	631	3.09	3.22	7.0	3.09
June	0	0	--	--	--	0.0	626	599	3.09	3.23	5.7	3.09
July	0	0	--	--	--	0.0	624	599	3.11	3.24	4.6	3.11
August	0	0	--	--	--	0.0	775	739	3.03	3.17	5.9	3.03
Sept	0	0	--	--	--	0.0	780	748	2.98	3.11	6.9	2.98
October	0	0	--	--	--	0.0	769	738	3.03	3.15	6.9	3.03
November	0	0	--	--	--	0.0	698	671	3.09	3.22	6.7	3.09
December	0	0	--	--	--	0.0	704	677	3.10	3.23	6.0	3.10
Year 2021												
January	0	0	--	--	--	0.0	759	729	3.12	3.24	6.3	3.11
February	0	0	--	--	--	0.0	676	650	3.13	3.26	6.2	3.11
March	0	0	--	--	--	0.0	702	676	3.12	3.24	6.4	3.12
April	0	0	--	--	--	0.0	740	716	3.12	3.23	7.8	3.12
May	0	0	--	--	--	0.0	673	647	3.13	3.26	6.9	3.13
June	0	0	--	--	--	0.0	671	645	3.17	3.30	6.4	3.17
July	0	0	--	--	--	0.0	680	653	3.39	3.53	5.8	3.39
August	0	0	--	--	--	0.0	794	760	3.53	3.69	6.6	3.53
Sept	0	0	--	--	--	0.0	775	743	3.86	4.02	7.2	3.84
October	0	0	--	--	--	0.0	753	724	3.74	3.89	7.1	3.69
November	0	0	--	--	--	0.0	782	754	3.92	4.06	7.2	3.89
December	0	0	--	--	--	0.0	864	830	3.65	3.80	7.4	3.63
Year 2022												
January	0	0	--	--	--	0.0	759	731	3.29	3.42	6.1	3.35
Year to Date												
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	6.3	3.11
2022	0	0	--	--	--	0.0	759	731	3.29	3.42	6.1	3.35
Rolling 12 Months Ending in January												
2021	0	0	--	--	--	0.0	8,496	8,154	3.08	3.21	6.3	3.08
2022	0	0	--	--	--	0.0	8,869	8,530	3.44	3.57	6.7	3.43

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

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

Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2012 - January 2022

	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												
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	134,523	6,515	2.49	51.38	1.27	68.9	1,700	277	10.52	64.54	1.20	17.0
2021	137,934	6,613	2.34	48.72	1.28	66.3	2,380	387	12.90	79.39	1.46	20.2
Year 2020												
January	13,104	636	2.52	51.83	1.21	65.8	162	27	13.38	81.13	1.71	19.1
February	11,665	575	2.41	48.84	1.19	64.4	188	31	12.36	76.04	0.93	17.0
March	13,415	639	2.61	54.81	1.33	77.7	192	31	10.77	66.35	1.35	25.5
April	10,044	489	2.48	50.98	1.29	67.1	115	19	10.75	65.79	1.36	8.1
May	10,108	496	2.43	49.59	1.22	70.0	129	21	7.84	48.89	0.84	20.9
June	10,235	507	2.39	48.16	1.28	75.1	95	16	8.89	53.81	1.06	12.8
July	10,373	503	2.44	50.28	1.25	67.1	125	20	9.45	57.95	1.22	18.0
August	9,962	480	2.43	50.45	1.30	65.4	138	22	9.83	61.55	0.75	22.4
Sept	10,003	495	2.38	48.02	1.18	66.5	166	27	9.38	57.45	1.59	25.6
October	12,211	581	2.57	53.99	1.24	72.1	141	23	10.61	64.14	1.19	18.4
November	11,193	536	2.51	52.50	1.41	70.5	83	14	10.02	61.29	1.30	9.8
December	12,208	577	2.61	55.29	1.30	67.0	166	27	10.92	66.90	1.26	17.6
Year 2021												
January	11,054	529	2.38	49.69	1.09	61.5	226	37	11.25	69.01	1.27	25.9
February	10,470	491	2.41	51.45	1.38	63.4	200	32	11.85	73.29	1.39	14.0
March	10,365	486	2.42	51.58	1.26	61.0	201	33	12.48	75.76	1.50	17.6
April	11,579	550	2.46	51.79	1.15	69.4	236	39	12.63	77.32	1.51	27.7
May	12,597	595	2.23	47.22	1.35	72.0	144	24	12.41	76.01	1.39	15.0
June	12,210	588	2.24	46.54	1.27	74.5	132	22	14.13	86.63	0.82	15.8
July	10,705	524	2.26	46.21	1.20	60.8	206	33	13.90	85.70	1.61	24.2
August	11,124	547	2.29	46.52	1.14	69.0	237	38	12.75	78.57	1.50	21.6
Sept	11,941	578	2.33	48.16	1.29	69.6	210	34	12.67	78.29	1.56	25.9
October	11,138	532	2.49	52.17	1.15	63.5	197	32	12.68	78.52	1.49	18.6
November	13,102	635	2.21	45.60	1.52	67.3	198	32	14.24	87.87	1.46	21.8
December	11,650	558	2.36	49.19	1.50	64.6	192	31	14.41	89.71	1.59	20.7
Year 2022												
January	12,244	593	2.58	53.22	1.35	64.7	280	45	14.31	88.15	1.46	18.9
Year to Date												
2020	13,104	636	2.52	51.83	1.21	65.8	162	27	13.38	81.13	1.71	19.1
2021	11,054	529	2.38	49.69	1.09	61.5	226	37	11.25	69.01	1.27	25.9
2022	12,244	593	2.58	53.22	1.35	64.7	280	45	14.31	88.15	1.46	18.9
Rolling 12 Months Ending in January												
2021	132,473	6,407	2.48	51.20	1.26	68.6	1,764	287	10.35	63.57	1.19	17.6
2022	139,125	6,678	2.35	49.05	1.30	66.6	2,434	395	13.21	81.37	1.46	19.7

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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, 2012 - January 2022 (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												
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	805,785	783,182	2.28	2.34	53.7	2.32
2021	0	0	--	--	--	0.0	772,527	751,280	4.68	4.81	55.7	4.35
Year 2020												
January	0	0	--	--	--	0.0	73,310	71,097	2.36	2.43	49.0	2.40
February	0	0	--	--	--	0.0	66,947	64,971	2.12	2.18	49.2	2.19
March	0	0	--	--	--	0.0	67,628	65,733	1.99	2.05	49.4	2.11
April	0	0	--	--	--	0.0	63,624	61,742	1.86	1.92	50.2	1.96
May	0	0	--	--	--	0.0	65,435	63,624	1.97	2.02	58.4	2.04
June	0	0	--	--	--	0.0	66,093	64,260	1.82	1.88	57.0	1.91
July	506	19	1.72	47.01	6.06	24.4	68,624	66,821	1.84	1.89	54.9	1.93
August	674	25	1.72	46.47	5.81	32.2	67,571	65,724	2.30	2.36	54.6	2.32
Sept	571	21	1.74	47.01	5.96	29.0	62,909	61,194	2.52	2.59	56.1	2.51
October	407	15	1.75	47.00	5.69	21.5	63,751	62,043	2.51	2.57	54.1	2.53
November	0	0	--	--	--	0.0	66,442	64,570	3.01	3.10	57.8	2.95
December	0	0	--	--	--	0.0	73,453	71,402	2.96	3.05	56.6	2.93
Year 2021												
January	0	0	--	--	--	0.0	70,973	68,897	2.83	2.92	55.6	2.79
February	0	0	--	--	--	0.0	52,214	50,731	13.02	13.40	50.6	11.25
March	0	0	--	--	--	0.0	59,359	57,688	2.90	2.99	53.2	2.86
April	0	0	--	--	--	0.0	58,549	57,007	2.77	2.84	54.1	2.75
May	0	0	--	--	--	0.0	61,909	60,279	3.16	3.25	56.0	3.02
June	0	0	--	--	--	0.0	64,417	62,702	3.37	3.46	56.6	3.21
July	0	0	--	--	--	0.0	65,942	63,982	3.96	4.08	54.0	3.75
August	0	0	--	--	--	0.0	67,648	65,787	4.20	4.32	56.3	3.96
Sept	0	0	--	--	--	0.0	62,325	60,675	4.87	5.01	55.9	4.49
October	0	0	--	--	--	0.0	66,051	64,272	5.81	5.98	57.5	5.35
November	0	0	--	--	--	0.0	68,886	67,058	5.66	5.82	58.3	5.13
December	0	0	--	--	--	0.0	74,253	72,202	4.93	5.07	59.2	4.60
Year 2022												
January	0	0	--	--	--	0.0	74,313	72,201	4.72	4.86	58.4	4.45
Year to Date												
2020	0	0	--	--	--	0.0	73,310	71,097	2.36	2.43	49.0	2.40
2021	0	0	--	--	--	0.0	70,973	68,897	2.83	2.92	55.6	2.79
2022	0	0	--	--	--	0.0	74,313	72,201	4.72	4.86	58.4	4.45
Rolling 12 Months Ending in January												
2021	2,157	80	1.73	46.84	5.89	10.1	803,449	780,982	2.32	2.39	54.3	2.35
2022	0	0	--	--	--	0.0	775,867	754,584	4.85	4.99	55.9	4.50

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Table 4.6.A. Receipts of Coal Delivered for Electricity Generation by State, January 2022 and 2021
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	January 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
New England	8	6	29.0%	0	0	8	6	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	8	6	29.0%	0	0	8	6	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	1,222	1,338	-8.7%	0	0	1,222	1,338	0	0	0	0
New Jersey	63	34	86.0%	0	0	63	34	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	1,159	1,304	-11.0%	0	0	1,159	1,304	0	0	0	0
East North Central	7,897	7,131	11.0%	4,385	3,743	3,374	3,253	0	0	138	135
Illinois	2,294	1,935	19.0%	222	88	1,935	1,712	0	0	137	135
Indiana	1,636	1,365	20.0%	1,444	1,176	192	189	0	0	0	0
Michigan	1,437	1,275	13.0%	1,436	1,275	0	0	0	0	1	0
Ohio	1,393	1,476	-5.7%	146	125	1,247	1,351	0	0	0	0
Wisconsin	1,137	1,079	5.4%	1,137	1,079	0	0	0	0	0	0
West North Central	8,596	7,914	8.6%	8,307	7,693	0	0	3	1	286	219
Iowa	927	787	18.0%	727	634	0	0	0	0	200	153
Kansas	896	1,008	-11.0%	896	1,008	0	0	0	0	0	0
Minnesota	851	703	21.0%	851	703	0	0	0	0	0	0
Missouri	2,618	2,462	6.3%	2,615	2,461	0	0	3	1	0	0
Nebraska	1,134	989	15.0%	1,048	923	0	0	0	0	86	66
North Dakota	2,044	1,833	12.0%	2,044	1,833	0	0	0	0	0	0
South Dakota	125	131	-4.6%	125	131	0	0	0	0	0	0
South Atlantic	4,093	5,150	-21.0%	3,560	4,431	479	666	0	0	53	53
Delaware	12	0	--	0	0	12	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	510	680	-25.0%	510	680	0	0	0	0	0	0
Georgia	686	933	-26.0%	671	920	0	0	0	0	15	13
Maryland	151	160	-5.3%	0	0	151	160	0	0	0	0
North Carolina	521	806	-35.0%	497	780	0	2	0	0	24	24
South Carolina	401	574	-30.0%	382	556	19	11	0	0	0	7
Virginia	189	102	85.0%	175	93	0	0	0	0	14	9
West Virginia	1,622	1,895	-14.0%	1,326	1,402	297	493	0	0	0	0
East South Central	3,988	4,071	-2.0%	3,738	3,720	196	298	0	0	55	53
Alabama	1,297	1,049	24.0%	1,297	1,049	0	0	0	0	0	0
Kentucky	2,042	2,174	-6.1%	2,042	2,174	0	0	0	0	0	0
Mississippi	348	442	-21.0%	152	143	196	298	0	0	0	0
Tennessee	301	406	-26.0%	246	353	0	0	0	0	55	53
West South Central	7,740	6,478	19.0%	3,855	3,224	3,865	3,251	0	0	19	3
Arkansas	1,208	988	22.0%	948	870	255	114	0	0	5	3
Louisiana	504	315	60.0%	315	167	189	148	0	0	0	0
Oklahoma	721	413	74.0%	706	413	0	0	0	0	15	0
Texas	5,307	4,762	11.0%	1,886	1,773	3,421	2,989	0	0	0	0
Mountain	5,760	5,077	13.0%	4,942	4,354	818	723	0	0	0	0
Arizona	733	638	15.0%	733	638	0	0	0	0	0	0
Colorado	825	808	2.2%	825	808	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	667	606	10.0%	0	25	667	581	0	0	0	0
Nevada	123	61	102.0%	59	0	64	61	0	0	0	0
New Mexico	850	709	20.0%	850	709	0	0	0	0	0	0
Utah	1,029	741	39.0%	989	707	40	34	0	0	0	0
Wyoming	1,533	1,515	1.2%	1,486	1,468	47	47	0	0	0	0
Pacific Contiguous	158	251	-37.0%	0	0	116	187	0	0	42	65
California	42	65	-35.0%	0	0	0	0	0	0	42	65
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	116	187	-38.0%	0	0	116	187	0	0	0	0
Pacific Noncontiguous	40	38	6.1%	40	38	0	0	0	0	0	0
Alaska	40	38	6.1%	40	38	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	39,503	37,454	5.5%	28,828	27,203	10,079	9,721	3	1	593	529

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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 2022 and 2021
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	January 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
New England	8	6	29.0%	0	0	8	6	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	8	6	29.0%	0	0	8	6	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	1,222	1,338	-8.7%	0	0	1,222	1,338	0	0	0	0
New Jersey	63	34	86.0%	0	0	63	34	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	1,159	1,304	-11.0%	0	0	1,159	1,304	0	0	0	0
East North Central	7,897	7,131	11.0%	4,385	3,743	3,374	3,253	0	0	138	135
Illinois	2,294	1,935	19.0%	222	88	1,935	1,712	0	0	137	135
Indiana	1,636	1,365	20.0%	1,444	1,176	192	189	0	0	0	0
Michigan	1,437	1,275	13.0%	1,436	1,275	0	0	0	0	1	0
Ohio	1,393	1,476	-5.7%	146	125	1,247	1,351	0	0	0	0
Wisconsin	1,137	1,079	5.4%	1,137	1,079	0	0	0	0	0	0
West North Central	8,596	7,914	8.6%	8,307	7,693	0	0	3	1	286	219
Iowa	927	787	18.0%	727	634	0	0	0	0	200	153
Kansas	896	1,008	-11.0%	896	1,008	0	0	0	0	0	0
Minnesota	851	703	21.0%	851	703	0	0	0	0	0	0
Missouri	2,618	2,462	6.3%	2,615	2,461	0	0	3	1	0	0
Nebraska	1,134	989	15.0%	1,048	923	0	0	0	0	86	66
North Dakota	2,044	1,833	12.0%	2,044	1,833	0	0	0	0	0	0
South Dakota	125	131	-4.6%	125	131	0	0	0	0	0	0
South Atlantic	4,093	5,150	-21.0%	3,560	4,431	479	666	0	0	53	53
Delaware	12	0	--	0	0	12	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	510	680	-25.0%	510	680	0	0	0	0	0	0
Georgia	686	933	-26.0%	671	920	0	0	0	0	15	13
Maryland	151	160	-5.3%	0	0	151	160	0	0	0	0
North Carolina	521	806	-35.0%	497	780	0	2	0	0	24	24
South Carolina	401	574	-30.0%	382	556	19	11	0	0	0	7
Virginia	189	102	85.0%	175	93	0	0	0	0	14	9
West Virginia	1,622	1,895	-14.0%	1,326	1,402	297	493	0	0	0	0
East South Central	3,988	4,071	-2.0%	3,738	3,720	196	298	0	0	55	53
Alabama	1,297	1,049	24.0%	1,297	1,049	0	0	0	0	0	0
Kentucky	2,042	2,174	-6.1%	2,042	2,174	0	0	0	0	0	0
Mississippi	348	442	-21.0%	152	143	196	298	0	0	0	0
Tennessee	301	406	-26.0%	246	353	0	0	0	0	55	53
West South Central	7,740	6,478	19.0%	3,855	3,224	3,865	3,251	0	0	19	3
Arkansas	1,208	988	22.0%	948	870	255	114	0	0	5	3
Louisiana	504	315	60.0%	315	167	189	148	0	0	0	0
Oklahoma	721	413	74.0%	706	413	0	0	0	0	15	0
Texas	5,307	4,762	11.0%	1,886	1,773	3,421	2,989	0	0	0	0
Mountain	5,760	5,077	13.0%	4,942	4,354	818	723	0	0	0	0
Arizona	733	638	15.0%	733	638	0	0	0	0	0	0
Colorado	825	808	2.2%	825	808	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	667	606	10.0%	0	25	667	581	0	0	0	0
Nevada	123	61	102.0%	59	0	64	61	0	0	0	0
New Mexico	850	709	20.0%	850	709	0	0	0	0	0	0
Utah	1,029	741	39.0%	989	707	40	34	0	0	0	0
Wyoming	1,533	1,515	1.2%	1,486	1,468	47	47	0	0	0	0
Pacific Contiguous	158	251	-37.0%	0	0	116	187	0	0	42	65
California	42	65	-35.0%	0	0	0	0	0	0	42	65
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	116	187	-38.0%	0	0	116	187	0	0	0	0
Pacific Noncontiguous	40	38	6.1%	40	38	0	0	0	0	0	0
Alaska	40	38	6.1%	40	38	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	39,503	37,454	5.5%	28,828	27,203	10,079	9,721	3	1	593	529

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

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

Table 4.7.A. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, January 2022 and 2021
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	January 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
New England	543	49	997.0%	2	1	540	48	0	0	0	0
Connecticut	2	2	0.3%	0	0	2	2	0	0	0	0
Maine	72	9	682.0%	0	0	72	9	0	0	0	0
Massachusetts	196	5	NM	0	0	196	5	0	0	0	0
New Hampshire	273	33	725.0%	2	1	271	32	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	430	143	201.0%	16	108	409	29	0	0	5	6
New Jersey	6	2	275.0%	0	0	6	2	0	0	0	0
New York	383	123	211.0%	16	108	367	16	0	0	0	0
Pennsylvania	41	18	129.0%	0	0	36	12	0	0	5	6
East North Central	62	50	24.0%	38	38	24	10	0	0	1	1
Illinois	9	5	57.0%	1	0	8	5	0	0	0	0
Indiana	22	23	-3.8%	22	23	0	0	0	0	0	0
Michigan	14	14	3.8%	14	13	0	0	0	0	1	1
Ohio	18	7	155.0%	2	1	16	5	0	0	0	1
Wisconsin	0	1	-100.0%	0	1	0	0	0	0	0	0
West North Central	82	52	59.0%	82	52	0	0	0	0	0	0
Iowa	23	12	90.0%	23	12	0	0	0	0	0	0
Kansas	23	10	122.0%	23	10	0	0	0	0	0	0
Minnesota	3	4	-6.2%	3	4	0	0	0	0	0	0
Missouri	23	13	86.0%	23	13	0	0	0	0	0	0
Nebraska	1	1	60.0%	1	1	0	0	0	0	0	0
North Dakota	8	12	-33.0%	8	12	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	212	122	74.0%	151	59	23	37	0	0	38	26
Delaware	5	1	866.0%	0	0	5	1	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	58	7	734.0%	55	3	1	0	0	0	3	4
Georgia	37	12	199.0%	16	5	0	0	0	0	21	8
Maryland	12	36	-67.0%	0	0	12	36	0	0	0	0
North Carolina	41	10	291.0%	36	6	0	0	0	0	5	4
South Carolina	14	18	-23.0%	13	9	1	0	0	0	0	9
Virginia	26	20	31.0%	13	19	4	0	0	0	9	0
West Virginia	19	17	7.3%	18	17	1	0	0	0	0	0
East South Central	26	25	5.9%	23	15	2	6	0	0	2	4
Alabama	5	6	-22.0%	3	0	2	6	0	0	0	0
Kentucky	11	12	-6.5%	11	12	0	0	0	0	0	0
Mississippi	2	1	126.0%	2	1	0	0	0	0	0	0
Tennessee	9	6	47.0%	7	2	0	0	0	0	2	4
West South Central	34	24	40.0%	30	20	4	5	0	0	0	0
Arkansas	17	11	49.0%	14	10	2	1	0	0	0	0
Louisiana	1	0	--	1	0	0	0	0	0	0	0
Oklahoma	6	2	236.0%	6	2	0	0	0	0	0	0
Texas	11	11	-3.2%	10	8	1	3	0	0	0	0
Mountain	28	29	-3.3%	27	25	1	4	0	0	0	0
Arizona	8	13	-41.0%	8	13	0	0	0	0	0	0
Colorado	2	1	336.0%	2	1	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	1	3	-83.0%	0	0	1	3	0	0	0	0
Nevada	1	1	86.0%	1	0	0	1	0	0	0	0
New Mexico	2	2	66.0%	2	2	0	0	0	0	0	0
Utah	3	3	-0.9%	3	3	0	1	0	0	0	0
Wyoming	10	6	61.0%	10	6	0	0	0	0	0	0
Pacific Contiguous	4	0	--	0	0	4	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	4	0	--	0	0	4	0	0	0	0	0
Pacific Noncontiguous	771	708	8.9%	641	613	131	95	0	0	0	0
Alaska	1	1	-6.5%	1	1	0	0	0	0	0	0
Hawaii	770	707	8.9%	639	611	131	95	0	0	0	0
U.S. Total	2,193	1,203	82.0%	1,011	931	1,137	235	0	0	45	37

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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 2022 and 2021
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	January 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
New England	543	49	997.0%	2	1	540	48	0	0	0	0
Connecticut	2	2	0.3%	0	0	2	2	0	0	0	0
Maine	72	9	682.0%	0	0	72	9	0	0	0	0
Massachusetts	196	5	NM	0	0	196	5	0	0	0	0
New Hampshire	273	33	725.0%	2	1	271	32	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	430	143	201.0%	16	108	409	29	0	0	5	6
New Jersey	6	2	275.0%	0	0	6	2	0	0	0	0
New York	383	123	211.0%	16	108	367	16	0	0	0	0
Pennsylvania	41	18	129.0%	0	0	36	12	0	0	5	6
East North Central	62	50	24.0%	38	38	24	10	0	0	1	1
Illinois	9	5	57.0%	1	0	8	5	0	0	0	0
Indiana	22	23	-3.8%	22	23	0	0	0	0	0	0
Michigan	14	14	3.8%	14	13	0	0	0	0	1	1
Ohio	18	7	155.0%	2	1	16	5	0	0	0	1
Wisconsin	0	1	-100.0%	0	1	0	0	0	0	0	0
West North Central	82	52	59.0%	82	52	0	0	0	0	0	0
Iowa	23	12	90.0%	23	12	0	0	0	0	0	0
Kansas	23	10	122.0%	23	10	0	0	0	0	0	0
Minnesota	3	4	-6.2%	3	4	0	0	0	0	0	0
Missouri	23	13	86.0%	23	13	0	0	0	0	0	0
Nebraska	1	1	60.0%	1	1	0	0	0	0	0	0
North Dakota	8	12	-33.0%	8	12	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	212	122	74.0%	151	59	23	37	0	0	38	26
Delaware	5	1	866.0%	0	0	5	1	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	58	7	734.0%	55	3	1	0	0	0	3	4
Georgia	37	12	199.0%	16	5	0	0	0	0	21	8
Maryland	12	36	-67.0%	0	0	12	36	0	0	0	0
North Carolina	41	10	291.0%	36	6	0	0	0	0	5	4
South Carolina	14	18	-23.0%	13	9	1	0	0	0	0	9
Virginia	26	20	31.0%	13	19	4	0	0	0	9	0
West Virginia	19	17	7.3%	18	17	1	0	0	0	0	0
East South Central	26	25	5.9%	23	15	2	6	0	0	2	4
Alabama	5	6	-22.0%	3	0	2	6	0	0	0	0
Kentucky	11	12	-6.5%	11	12	0	0	0	0	0	0
Mississippi	2	1	126.0%	2	1	0	0	0	0	0	0
Tennessee	9	6	47.0%	7	2	0	0	0	0	2	4
West South Central	34	24	40.0%	30	20	4	5	0	0	0	0
Arkansas	17	11	49.0%	14	10	2	1	0	0	0	0
Louisiana	1	0	--	1	0	0	0	0	0	0	0
Oklahoma	6	2	236.0%	6	2	0	0	0	0	0	0
Texas	11	11	-3.2%	10	8	1	3	0	0	0	0
Mountain	28	29	-3.3%	27	25	1	4	0	0	0	0
Arizona	8	13	-41.0%	8	13	0	0	0	0	0	0
Colorado	2	1	336.0%	2	1	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	1	3	-83.0%	0	0	1	3	0	0	0	0
Nevada	1	1	86.0%	1	0	0	1	0	0	0	0
New Mexico	2	2	66.0%	2	2	0	0	0	0	0	0
Utah	3	3	-0.9%	3	3	0	1	0	0	0	0
Wyoming	10	6	61.0%	10	6	0	0	0	0	0	0
Pacific Contiguous	4	0	--	0	0	4	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	4	0	--	0	0	4	0	0	0	0	0
Pacific Noncontiguous	771	708	8.9%	641	613	131	95	0	0	0	0
Alaska	1	1	-6.5%	1	1	0	0	0	0	0	0
Hawaii	770	707	8.9%	639	611	131	95	0	0	0	0
U.S. Total	2,193	1,203	82.0%	1,011	931	1,137	235	0	0	45	37

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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 2022 and 2021
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
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	16	17	-4.6%	16	17	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	11	15	-25.0%	11	15	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	5	2	140.0%	5	2	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	41	37	10.0%	41	37	0	0	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	41	37	10.0%	41	37	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	7	0	--	7	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	7	0	--	7	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	124	136	-8.8%	124	136	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	124	136	-8.8%	124	136	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	189	190	-0.8%	189	190	0	0	0	0	0	0

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

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

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

Table 4.8.B. Receipts of Petroleum Coke Delivered for Electricity Generation by State, (Year-to-Date) January 2022 and 2021 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 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	16	17	-4.6%	16	17	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	11	15	-25.0%	11	15	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	5	2	140.0%	5	2	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	41	37	10.0%	41	37	0	0	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	41	37	10.0%	41	37	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	7	0	--	7	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	7	0	--	7	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	124	136	-8.8%	124	136	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	124	136	-8.8%	124	136	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	189	190	-0.8%	189	190	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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Notes:
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Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Petroleum Coke includes petroleum coke-derived synthesis gas.
See the Technical Notes for fuel conversion factors.

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

Table 4.9.A. Receipts of Natural Gas Delivered for Electricity Generation by State, January 2022 and 2021
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
New England	27,590	29,715	-7.1%	10	17	27,580	29,698	0	0	0	0
Connecticut	12,591	12,465	1.0%	0	0	12,591	12,465	0	0	0	0
Maine	1,600	955	68.0%	0	0	1,600	955	0	0	0	0
Massachusetts	9,440	11,819	-20.0%	0	7	9,440	11,812	0	0	0	0
New Hampshire	1,566	2,047	-23.0%	10	10	1,556	2,037	0	0	0	0
Rhode Island	2,393	2,429	-1.5%	0	0	2,393	2,429	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	121,198	114,469	5.9%	6,397	11,532	112,984	102,063	0	0	1,816	874
New Jersey	11,816	11,543	2.4%	0	0	11,816	11,543	0	0	0	0
New York	31,947	32,013	-0.2%	6,397	11,532	24,891	19,899	0	0	659	581
Pennsylvania	77,435	70,913	9.2%	0	0	76,278	70,621	0	0	1,157	293
East North Central	104,525	86,059	21.0%	35,588	27,103	66,796	56,831	538	546	1,603	1,578
Illinois	7,768	6,417	21.0%	1,681	494	6,081	5,916	0	0	6	6
Indiana	19,238	16,957	13.0%	7,353	6,091	11,885	10,866	0	0	0	0
Michigan	24,301	18,011	35.0%	7,050	3,245	16,119	13,601	538	546	594	618
Ohio	38,775	31,587	23.0%	5,829	5,310	32,292	25,751	0	0	654	526
Wisconsin	14,442	13,088	10.0%	13,674	11,962	419	697	0	0	348	428
West North Central	12,163	11,361	7.1%	10,340	9,949	1,301	928	193	183	329	302
Iowa	3,376	3,242	4.1%	3,047	2,940	0	0	0	0	329	302
Kansas	1,140	1,124	1.5%	1,140	1,124	0	0	0	0	0	0
Minnesota	3,613	2,966	22.0%	3,377	2,964	236	0	1	2	0	0
Missouri	3,747	3,503	7.0%	2,489	2,393	1,065	928	192	181	0	0
Nebraska	145	147	-1.4%	145	147	0	0	0	0	0	0
North Dakota	3	380	-99.0%	3	380	0	0	0	0	0	0
South Dakota	139	0	--	139	0	0	0	0	0	0	0
South Atlantic	215,508	201,302	7.1%	184,595	173,141	27,450	24,615	0	0	3,463	3,545
Delaware	893	109	716.0%	0	0	893	109	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	100,466	87,042	15.0%	96,281	85,261	3,871	1,511	0	0	314	270
Georgia	31,264	32,777	-4.6%	23,928	25,852	6,415	5,999	0	0	920	926
Maryland	4,716	5,376	-12.0%	1,408	460	3,307	4,916	0	0	0	0
North Carolina	35,442	29,800	19.0%	30,766	25,392	4,372	4,093	0	0	304	314
South Carolina	14,354	13,183	8.9%	14,015	12,967	244	15	0	0	94	201
Virginia	26,720	31,696	-16.0%	17,973	23,168	7,543	7,391	0	0	1,204	1,137
West Virginia	1,654	1,319	25.0%	224	42	804	580	0	0	625	697
East South Central	97,799	85,893	14.0%	70,888	64,228	24,169	19,200	0	0	2,742	2,464
Alabama	33,685	30,434	11.0%	11,631	11,267	22,053	19,167	0	0	0	0
Kentucky	14,809	8,275	79.0%	12,724	8,251	2,085	23	0	0	0	0
Mississippi	36,160	34,398	5.1%	36,129	34,388	31	10	0	0	0	0
Tennessee	13,146	12,787	2.8%	10,404	10,322	0	0	0	0	2,742	2,464
West South Central	234,916	210,625	12.0%	72,637	57,476	102,384	95,991	0	0	59,895	57,157
Arkansas	13,387	6,507	106.0%	11,714	4,921	1,251	1,280	0	0	422	306
Louisiana	48,197	38,325	26.0%	26,541	18,608	2,053	1,543	0	0	19,602	18,175
Oklahoma	17,659	21,321	-17.0%	10,755	12,745	6,226	7,951	0	0	678	625
Texas	155,674	144,472	7.8%	23,626	21,202	92,854	85,218	0	0	39,193	38,051
Mountain	54,860	64,337	-15.0%	45,644	51,365	9,216	12,928	0	0	0	44
Arizona	19,623	27,321	-28.0%	13,832	18,140	5,791	9,181	0	0	0	0
Colorado	9,468	9,699	-2.4%	8,476	8,365	992	1,335	0	0	0	0
Idaho	1,324	1,403	-5.6%	1,324	1,403	0	0	0	0	0	0
Montana	245	195	25.0%	245	195	0	0	0	0	0	0
Nevada	12,357	13,799	-10.0%	12,357	13,799	0	0	0	0	0	0
New Mexico	5,419	6,344	-15.0%	2,987	3,933	2,432	2,411	0	0	0	0
Utah	6,189	5,335	16.0%	6,189	5,290	0	0	0	0	0	44
Wyoming	235	241	-2.5%	234	240	1	1	0	0	0	0
Pacific Contiguous	58,346	57,195	2.0%	22,774	21,010	33,219	33,253	0	0	2,353	2,931
California	43,187	42,798	0.9%	15,756	14,093	25,078	25,774	0	0	2,353	2,931
Oregon	10,303	9,441	9.1%	4,430	3,911	5,874	5,530	0	0	0	0
Washington	4,856	4,955	-2.0%	2,588	3,006	2,267	1,949	0	0	0	0
Pacific Noncontiguous	1	3	-70.0%	1	3	0	0	0	0	0	0
Alaska	1	3	-70.0%	1	3	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	926,905	860,959	7.7%	448,875	415,825	405,099	375,508	731	729	72,201	68,897

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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 2022 and 2021 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	January 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
New England	27,590	29,715	-7.1%	10	17	27,580	29,698	0	0	0	0
Connecticut	12,591	12,465	1.0%	0	0	12,591	12,465	0	0	0	0
Maine	1,600	955	68.0%	0	0	1,600	955	0	0	0	0
Massachusetts	9,440	11,819	-20.0%	0	7	9,440	11,812	0	0	0	0
New Hampshire	1,566	2,047	-23.0%	10	10	1,556	2,037	0	0	0	0
Rhode Island	2,393	2,429	-1.5%	0	0	2,393	2,429	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	121,198	114,469	5.9%	6,397	11,532	112,984	102,063	0	0	1,816	874
New Jersey	11,816	11,543	2.4%	0	0	11,816	11,543	0	0	0	0
New York	31,947	32,013	-0.2%	6,397	11,532	24,891	19,899	0	0	659	581
Pennsylvania	77,435	70,913	9.2%	0	0	76,278	70,621	0	0	1,157	293
East North Central	104,525	86,059	21.0%	35,588	27,103	66,796	56,831	538	546	1,603	1,578
Illinois	7,768	6,417	21.0%	1,681	494	6,081	5,916	0	0	6	6
Indiana	19,238	16,957	13.0%	7,353	6,091	11,885	10,866	0	0	0	0
Michigan	24,301	18,011	35.0%	7,050	3,245	16,119	13,601	538	546	594	618
Ohio	38,775	31,587	23.0%	5,829	5,310	32,292	25,751	0	0	654	526
Wisconsin	14,442	13,088	10.0%	13,674	11,962	419	697	0	0	348	428
West North Central	12,163	11,361	7.1%	10,340	9,949	1,301	928	193	183	329	302
Iowa	3,376	3,242	4.1%	3,047	2,940	0	0	0	0	329	302
Kansas	1,140	1,124	1.5%	1,140	1,124	0	0	0	0	0	0
Minnesota	3,613	2,966	22.0%	3,377	2,964	236	0	1	2	0	0
Missouri	3,747	3,503	7.0%	2,489	2,393	1,065	928	192	181	0	0
Nebraska	145	147	-1.4%	145	147	0	0	0	0	0	0
North Dakota	3	380	-99.0%	3	380	0	0	0	0	0	0
South Dakota	139	0	--	139	0	0	0	0	0	0	0
South Atlantic	215,508	201,302	7.1%	184,595	173,141	27,450	24,615	0	0	3,463	3,545
Delaware	893	109	716.0%	0	0	893	109	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	100,466	87,042	15.0%	96,281	85,261	3,871	1,511	0	0	314	270
Georgia	31,264	32,777	-4.6%	23,928	25,852	6,415	5,999	0	0	920	926
Maryland	4,716	5,376	-12.0%	1,408	460	3,307	4,916	0	0	0	0
North Carolina	35,442	29,800	19.0%	30,766	25,392	4,372	4,093	0	0	304	314
South Carolina	14,354	13,183	8.9%	14,015	12,967	244	15	0	0	94	201
Virginia	26,720	31,696	-16.0%	17,973	23,168	7,543	7,391	0	0	1,204	1,137
West Virginia	1,654	1,319	25.0%	224	42	804	580	0	0	625	697
East South Central	97,799	85,893	14.0%	70,888	64,228	24,169	19,200	0	0	2,742	2,464
Alabama	33,685	30,434	11.0%	11,631	11,267	22,053	19,167	0	0	0	0
Kentucky	14,809	8,275	79.0%	12,724	8,251	2,085	23	0	0	0	0
Mississippi	36,160	34,398	5.1%	36,129	34,388	31	10	0	0	0	0
Tennessee	13,146	12,787	2.8%	10,404	10,322	0	0	0	0	2,742	2,464
West South Central	234,916	210,625	12.0%	72,637	57,476	102,384	95,991	0	0	59,895	57,157
Arkansas	13,387	6,507	106.0%	11,714	4,921	1,251	1,280	0	0	422	306
Louisiana	48,197	38,325	26.0%	26,541	18,608	2,053	1,543	0	0	19,602	18,175
Oklahoma	17,659	21,321	-17.0%	10,755	12,745	6,226	7,951	0	0	678	625
Texas	155,674	144,472	7.8%	23,626	21,202	92,854	85,218	0	0	39,193	38,051
Mountain	54,860	64,337	-15.0%	45,644	51,365	9,216	12,928	0	0	0	44
Arizona	19,623	27,321	-28.0%	13,832	18,140	5,791	9,181	0	0	0	0
Colorado	9,468	9,699	-2.4%	8,476	8,365	992	1,335	0	0	0	0
Idaho	1,324	1,403	-5.6%	1,324	1,403	0	0	0	0	0	0
Montana	245	195	25.0%	245	195	0	0	0	0	0	0
Nevada	12,357	13,799	-10.0%	12,357	13,799	0	0	0	0	0	0
New Mexico	5,419	6,344	-15.0%	2,987	3,933	2,432	2,411	0	0	0	0
Utah	6,189	5,335	16.0%	6,189	5,290	0	0	0	0	0	44
Wyoming	235	241	-2.5%	234	240	1	1	0	0	0	0
Pacific Contiguous	58,346	57,195	2.0%	22,774	21,010	33,219	33,253	0	0	2,353	2,931
California	43,187	42,798	0.9%	15,756	14,093	25,078	25,774	0	0	2,353	2,931
Oregon	10,303	9,441	9.1%	4,430	3,911	5,874	5,530	0	0	0	0
Washington	4,856	4,955	-2.0%	2,588	3,006	2,267	1,949	0	0	0	0
Pacific Noncontiguous	1	3	-70.0%	1	3	0	0	0	0	0	0
Alaska	1	3	-70.0%	1	3	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	926,905	860,959	7.7%	448,875	415,825	405,099	375,508	731	729	72,201	68,897

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

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

Table 4.10.A. Average Cost of Coal Delivered for Electricity Generation by State, January 2022 and 2021
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	January 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021
New England	W	W	W	--	--	W	W
Connecticut	--	--	--	--	--	--	--
Maine	W	W	W	--	--	W	W
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	3.07	1.74	76.0%	--	--	3.07	1.74
New Jersey	W	W	W	--	--	W	W
New York	--	--	--	--	--	--	--
Pennsylvania	W	W	W	--	--	W	W
East North Central	2.11	1.83	15.0%	2.33	2.02	1.83	1.62
Illinois	1.89	W	W	1.66	1.59	1.91	W
Indiana	W	W	W	2.62	2.17	W	W
Michigan	2.14	1.97	8.6%	2.14	1.97	--	--
Ohio	W	1.65	W	2.16	1.94	W	1.62
Wisconsin	2.28	1.95	17.0%	2.28	1.95	--	--
West North Central	1.75	1.53	14.0%	1.75	1.53	--	--
Iowa	1.70	1.48	15.0%	1.70	1.48	--	--
Kansas	1.82	1.33	37.0%	1.82	1.33	--	--
Minnesota	2.27	2.00	14.0%	2.27	2.00	--	--
Missouri	1.89	1.62	17.0%	1.89	1.62	--	--
Nebraska	1.18	1.12	5.4%	1.18	1.12	--	--
North Dakota	1.56	1.53	2.0%	1.56	1.53	--	--
South Dakota	2.17	1.86	17.0%	2.17	1.86	--	--
South Atlantic	2.70	2.32	16.0%	2.78	2.41	2.17	1.81
Delaware	W	--	W	--	--	W	--
District of Columbia	--	--	--	--	--	--	--
Florida	3.32	2.47	34.0%	3.32	2.47	--	--
Georgia	3.24	2.58	26.0%	3.24	2.58	--	--
Maryland	2.72	2.63	3.4%	--	--	2.72	2.63
North Carolina	3.26	W	W	3.26	2.42	--	W
South Carolina	W	W	W	3.82	2.87	W	W
Virginia	2.36	2.24	5.4%	2.36	2.24	--	--
West Virginia	W	W	W	1.96	2.10	W	W
East South Central	W	W	W	2.31	1.86	W	W
Alabama	2.35	2.03	16.0%	2.35	2.03	--	--
Kentucky	2.18	1.78	22.0%	2.18	1.78	--	--
Mississippi	W	W	W	3.72	2.52	W	W
Tennessee	2.40	1.67	44.0%	2.40	1.67	--	--
West South Central	2.14	1.95	9.7%	2.34	2.30	1.94	1.60
Arkansas	W	W	W	2.27	1.98	W	W
Louisiana	W	W	W	2.39	3.47	W	W
Oklahoma	2.51	1.66	51.0%	2.51	1.66	--	--
Texas	W	W	W	2.30	2.51	W	W
Mountain	W	W	W	2.29	1.97	W	W
Arizona	2.68	2.17	24.0%	2.68	2.17	--	--
Colorado	1.47	1.68	-13.0%	1.47	1.68	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	2.37	W	W
Nevada	W	W	W	3.03	--	W	W
New Mexico	3.69	2.54	45.0%	3.69	2.54	--	--
Utah	2.13	1.96	8.7%	2.13	1.96	--	--
Wyoming	W	W	W	1.79	1.78	W	W
Pacific Contiguous	W	W	W	--	--	W	W
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	4.12	3.37	22.0%	4.12	3.37	--	--
Alaska	4.12	3.37	22.0%	4.12	3.37	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.20	1.90	16.0%	2.25	1.98	2.07	1.67

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

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

Table 4.10.B. Average Cost of Coal Delivered for Electricity Generation by State, (Year-to-Date) January 2022 and 2021
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	January 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
New England	W	W	W	--	--	W	W
Connecticut	--	--	--	--	--	--	--
Maine	W	W	W	--	--	W	W
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	3.07	1.74	76.0%	--	--	3.07	1.74
New Jersey	W	W	W	--	--	W	W
New York	--	--	--	--	--	--	--
Pennsylvania	W	W	W	--	--	W	W
East North Central	2.11	1.83	15.0%	2.33	2.02	1.83	1.62
Illinois	1.89	W	W	1.66	1.59	1.91	W
Indiana	W	W	W	2.62	2.17	W	W
Michigan	2.14	1.97	8.6%	2.14	1.97	--	--
Ohio	W	1.65	W	2.16	1.94	W	1.62
Wisconsin	2.28	1.95	17.0%	2.28	1.95	--	--
West North Central	1.75	1.53	14.0%	1.75	1.53	--	--
Iowa	1.70	1.48	15.0%	1.70	1.48	--	--
Kansas	1.82	1.33	37.0%	1.82	1.33	--	--
Minnesota	2.27	2.00	14.0%	2.27	2.00	--	--
Missouri	1.89	1.62	17.0%	1.89	1.62	--	--
Nebraska	1.18	1.12	5.4%	1.18	1.12	--	--
North Dakota	1.56	1.53	2.0%	1.56	1.53	--	--
South Dakota	2.17	1.86	17.0%	2.17	1.86	--	--
South Atlantic	2.70	2.32	16.0%	2.78	2.41	2.17	1.81
Delaware	W	--	W	--	--	W	--
District of Columbia	--	--	--	--	--	--	--
Florida	3.32	2.47	34.0%	3.32	2.47	--	--
Georgia	3.24	2.58	26.0%	3.24	2.58	--	--
Maryland	2.72	2.63	3.4%	--	--	2.72	2.63
North Carolina	3.26	W	W	3.26	2.42	--	W
South Carolina	W	W	W	3.82	2.87	W	W
Virginia	2.36	2.24	5.4%	2.36	2.24	--	--
West Virginia	W	W	W	1.96	2.10	W	W
East South Central	W	W	W	2.31	1.86	W	W
Alabama	2.35	2.03	16.0%	2.35	2.03	--	--
Kentucky	2.18	1.78	22.0%	2.18	1.78	--	--
Mississippi	W	W	W	3.72	2.52	W	W
Tennessee	2.40	1.67	44.0%	2.40	1.67	--	--
West South Central	2.14	1.95	9.7%	2.34	2.30	1.94	1.60
Arkansas	W	W	W	2.27	1.98	W	W
Louisiana	W	W	W	2.39	3.47	W	W
Oklahoma	2.51	1.66	51.0%	2.51	1.66	--	--
Texas	W	W	W	2.30	2.51	W	W
Mountain	W	W	W	2.29	1.97	W	W
Arizona	2.68	2.17	24.0%	2.68	2.17	--	--
Colorado	1.47	1.68	-13.0%	1.47	1.68	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	2.37	W	W
Nevada	W	W	W	3.03	--	W	W
New Mexico	3.69	2.54	45.0%	3.69	2.54	--	--
Utah	2.13	1.96	8.7%	2.13	1.96	--	--
Wyoming	W	W	W	1.79	1.78	W	W
Pacific Contiguous	W	W	W	--	--	W	W
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	4.12	3.37	22.0%	4.12	3.37	--	--
Alaska	4.12	3.37	22.0%	4.12	3.37	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.20	1.90	16.0%	2.25	1.98	2.07	1.67

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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 2022 and 2021
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	January 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021
New England	19.03	W	W	23.63	19.12	19.00	W
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	--	W	--	--	W	--
New Hampshire	W	W	W	23.63	19.12	W	W
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	17.18	10.69	61.0%	15.44	10.39	17.25	11.90
New Jersey	W	W	W	--	--	W	W
New York	17.04	W	W	15.44	10.39	17.11	W
Pennsylvania	W	W	W	--	--	W	W
East North Central	18.85	11.93	58.0%	18.45	11.86	19.50	12.21
Illinois	W	W	W	19.59	--	W	W
Indiana	18.89	12.11	56.0%	18.89	12.11	--	--
Michigan	17.62	11.50	53.0%	17.62	11.50	--	--
Ohio	W	W	W	18.89	10.89	W	W
Wisconsin	--	W	W	--	11.91	--	W
West North Central	18.29	12.13	51.0%	18.29	12.13	--	--
Iowa	18.07	12.00	51.0%	18.07	12.00	--	--
Kansas	18.57	12.19	52.0%	18.57	12.19	--	--
Minnesota	18.07	12.22	48.0%	18.07	12.22	--	--
Missouri	18.25	12.06	51.0%	18.25	12.06	--	--
Nebraska	19.22	12.93	49.0%	19.22	12.93	--	--
North Dakota	18.21	12.20	49.0%	18.21	12.20	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	W	W	W	19.62	12.65	W	W
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	12.30	W	21.05	12.30	W	--
Georgia	20.34	12.59	62.0%	20.34	12.59	--	--
Maryland	W	W	W	--	--	W	W
North Carolina	20.04	11.95	68.0%	20.04	11.95	--	--
South Carolina	W	12.01	W	18.91	12.01	W	--
Virginia	W	W	W	14.34	13.09	W	W
West Virginia	W	12.79	W	18.28	12.79	W	--
East South Central	W	W	W	18.36	11.75	W	W
Alabama	W	W	W	17.81	--	W	W
Kentucky	18.49	11.75	57.0%	18.49	11.75	--	--
Mississippi	18.71	12.26	53.0%	18.71	12.26	--	--
Tennessee	18.30	11.59	58.0%	18.30	11.59	--	--
West South Central	W	W	W	19.01	12.15	W	W
Arkansas	W	W	W	19.35	12.25	W	W
Louisiana	19.55	--	--	19.55	--	--	--
Oklahoma	17.88	13.03	37.0%	17.88	13.03	--	--
Texas	W	W	W	19.16	11.85	W	W
Mountain	W	13.32	W	20.78	13.21	W	14.01
Arizona	21.89	13.37	64.0%	21.89	13.37	--	--
Colorado	20.00	11.32	77.0%	20.00	11.32	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	21.32	--	W	W
New Mexico	24.65	16.25	52.0%	24.65	16.25	--	--
Utah	W	W	W	18.84	13.32	W	W
Wyoming	19.71	12.28	61.0%	19.71	12.28	--	--
Pacific Contiguous	W	--	W	--	--	W	--
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	W	--	W	--	--	W	--
Pacific Noncontiguous	W	W	W	16.03	10.44	W	W
Alaska	22.26	13.28	68.0%	22.26	13.28	--	--
Hawaii	W	W	W	16.02	10.43	W	W
U.S. Total	17.63	10.91	62.0%	17.08	10.84	18.21	11.20

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

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

Table 4.11.B. Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, (Year-to-Date) January 2022 and 2021 (Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	January 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
New England	19.03	W	W	23.63	19.12	19.00	W
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	--	W	--	--	W	--
New Hampshire	W	W	W	23.63	19.12	W	W
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	17.18	10.69	61.0%	15.44	10.39	17.25	11.90
New Jersey	W	W	W	--	--	W	W
New York	17.04	W	W	15.44	10.39	17.11	W
Pennsylvania	W	W	W	--	--	W	W
East North Central	18.85	11.93	58.0%	18.45	11.86	19.50	12.21
Illinois	W	W	W	19.59	--	W	W
Indiana	18.89	12.11	56.0%	18.89	12.11	--	--
Michigan	17.62	11.50	53.0%	17.62	11.50	--	--
Ohio	W	W	W	18.89	10.89	W	W
Wisconsin	--	W	W	--	11.91	--	W
West North Central	18.29	12.13	51.0%	18.29	12.13	--	--
Iowa	18.07	12.00	51.0%	18.07	12.00	--	--
Kansas	18.57	12.19	52.0%	18.57	12.19	--	--
Minnesota	18.07	12.22	48.0%	18.07	12.22	--	--
Missouri	18.25	12.06	51.0%	18.25	12.06	--	--
Nebraska	19.22	12.93	49.0%	19.22	12.93	--	--
North Dakota	18.21	12.20	49.0%	18.21	12.20	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	W	W	W	19.62	12.65	W	W
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	W	12.30	W	21.05	12.30	W	--
Georgia	20.34	12.59	62.0%	20.34	12.59	--	--
Maryland	W	W	W	--	--	W	W
North Carolina	20.04	11.95	68.0%	20.04	11.95	--	--
South Carolina	W	12.01	W	18.91	12.01	W	--
Virginia	W	W	W	14.34	13.09	W	W
West Virginia	W	12.79	W	18.28	12.79	W	--
East South Central	W	W	W	18.36	11.75	W	W
Alabama	W	W	W	17.81	--	W	W
Kentucky	18.49	11.75	57.0%	18.49	11.75	--	--
Mississippi	18.71	12.26	53.0%	18.71	12.26	--	--
Tennessee	18.30	11.59	58.0%	18.30	11.59	--	--
West South Central	W	W	W	19.01	12.15	W	W
Arkansas	W	W	W	19.35	12.25	W	W
Louisiana	19.55	--	--	19.55	--	--	--
Oklahoma	17.88	13.03	37.0%	17.88	13.03	--	--
Texas	W	W	W	19.16	11.85	W	W
Mountain	W	13.32	W	20.78	13.21	W	14.01
Arizona	21.89	13.37	64.0%	21.89	13.37	--	--
Colorado	20.00	11.32	77.0%	20.00	11.32	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	21.32	--	W	W
New Mexico	24.65	16.25	52.0%	24.65	16.25	--	--
Utah	W	W	W	18.84	13.32	W	W
Wyoming	19.71	12.28	61.0%	19.71	12.28	--	--
Pacific Contiguous	W	--	W	--	--	W	--
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	W	--	W	--	--	W	--
Pacific Noncontiguous	W	W	W	16.03	10.44	W	W
Alaska	22.26	13.28	68.0%	22.26	13.28	--	--
Hawaii	W	W	W	16.02	10.43	W	W
U.S. Total	17.63	10.91	62.0%	17.08	10.84	18.21	11.20

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

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

Table 4.12.A. Average Cost of Petroleum Coke Delivered for Electricity Generation by State, January 2022 and 2021
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	January 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	1.42	1.30	9.2%	1.42	1.30	--	--
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	1.21	1.22	-0.8%	1.21	1.22	--	--
Ohio	--	--	--	--	--	--	--
Wisconsin	1.88	1.90	-1.1%	1.88	1.90	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	7.61	3.39	124.0%	7.61	3.39	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	7.61	3.39	124.0%	7.61	3.39	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	3.85	--	--	3.85	--	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	3.85	--	--	3.85	--	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	3.63	2.54	43.0%	3.63	2.54	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	3.63	2.54	43.0%	3.63	2.54	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--
Mountain	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	4.32	2.59	67.0%	4.32	2.59	--	--

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 2022 and 2021 (Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	January 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	1.42	1.30	9.2%	1.42	1.30	--	--
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	1.21	1.22	-0.8%	1.21	1.22	--	--
Ohio	--	--	--	--	--	--	--
Wisconsin	1.88	1.90	-1.1%	1.88	1.90	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	7.61	3.39	124.0%	7.61	3.39	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	7.61	3.39	124.0%	7.61	3.39	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	3.85	--	--	3.85	--	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	3.85	--	--	3.85	--	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	3.63	2.54	43.0%	3.63	2.54	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	3.63	2.54	43.0%	3.63	2.54	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--
Mountain	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	4.32	2.59	67.0%	4.32	2.59	--	--

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 2022 and 2021
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	January 2022	January 2021	Percentage Change	January 2022	January 2021	January 2022	January 2021
New England	19.06	5.32	258.0%	19.75	4.85	19.06	5.32
Connecticut	16.52	4.57	261.0%	--	--	16.52	4.57
Maine	W	--	W	--	--	W	--
Massachusetts	W	6.46	W	25.05	5.37	W	6.46
New Hampshire	W	W	W	19.73	4.50	W	W
Rhode Island	W	W	W	--	--	W	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	6.78	2.83	140.0%	8.90	3.87	6.65	2.69
New Jersey	7.78	2.97	162.0%	--	--	7.78	2.97
New York	9.56	3.47	176.0%	8.90	3.87	9.74	3.19
Pennsylvania	5.43	2.51	116.0%	--	--	5.43	2.51
East North Central	4.43	2.67	66.0%	4.93	2.82	4.17	2.60
Illinois	W	W	W	4.90	2.98	W	W
Indiana	W	W	W	4.84	2.66	W	W
Michigan	4.28	2.75	56.0%	4.51	2.99	4.18	2.69
Ohio	4.02	2.53	59.0%	4.01	2.59	4.02	2.52
Wisconsin	W	W	W	5.61	2.97	W	W
West North Central	W	W	W	5.13	2.95	W	W
Iowa	4.31	2.18	98.0%	4.31	2.18	--	--
Kansas	5.82	3.61	61.0%	5.82	3.61	--	--
Minnesota	W	3.51	W	5.54	3.51	W	--
Missouri	W	W	W	5.12	2.78	W	W
Nebraska	6.67	4.51	48.0%	6.67	4.51	--	--
North Dakota	52.30	3.06	NM	52.30	3.06	--	--
South Dakota	5.27	--	--	5.27	--	--	--
South Atlantic	6.32	3.66	73.0%	6.39	3.78	5.79	2.80
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	5.66	4.02	W	W
Georgia	W	W	W	6.14	3.11	W	W
Maryland	W	3.34	W	10.64	5.49	W	3.15
North Carolina	W	W	W	7.97	3.75	W	W
South Carolina	6.84	3.47	97.0%	6.84	3.47	--	--
Virginia	6.30	3.48	81.0%	7.23	3.79	3.86	2.50
West Virginia	W	W	W	3.91	2.69	W	W
East South Central	4.58	2.98	54.0%	4.44	2.96	5.05	3.10
Alabama	W	W	W	5.06	3.09	W	W
Kentucky	W	W	W	4.67	3.47	W	W
Mississippi	W	W	W	4.28	2.84	W	W
Tennessee	4.01	2.78	44.0%	4.01	2.78	--	--
West South Central	4.51	2.79	62.0%	4.79	2.96	4.26	2.67
Arkansas	W	W	W	4.35	2.88	W	W
Louisiana	W	W	W	4.61	3.14	W	W
Oklahoma	W	W	W	5.70	2.75	W	W
Texas	4.39	2.73	61.0%	4.77	2.94	4.27	2.67
Mountain	6.40	W	W	6.51	3.46	5.52	W
Arizona	W	W	W	6.41	3.44	W	W
Colorado	W	W	W	5.29	3.52	W	W
Idaho	6.91	2.77	149.0%	6.91	2.77	--	--
Montana	3.80	2.33	63.0%	3.80	2.33	--	--
Nevada	7.12	3.58	99.0%	7.12	3.58	--	--
New Mexico	5.05	3.10	63.0%	5.05	3.10	--	--
Utah	8.06	3.58	125.0%	8.06	3.58	--	--
Wyoming	W	W	W	3.87	3.65	W	W
Pacific Contiguous	W	3.63	W	6.95	3.87	W	3.39
California	7.24	3.88	87.0%	7.72	4.31	6.65	3.49
Oregon	W	W	W	4.43	2.60	W	W
Washington	W	W	W	6.85	3.53	W	W
Pacific Noncontiguous	5.91	7.82	-24.0%	5.91	7.82	--	--
Alaska	5.91	7.82	-24.0%	5.91	7.82	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	5.95	3.22	85.0%	5.76	3.42	6.21	2.95

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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 2022 and 2021
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	January 2022 YTD	January 2021 YTD	Percentage Change	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
New England	19.06	5.32	258.0%	19.75	4.85	19.06	5.32
Connecticut	16.52	4.57	261.0%	--	--	16.52	4.57
Maine	W	--	W	--	--	W	--
Massachusetts	W	6.46	W	25.05	5.37	W	6.46
New Hampshire	W	W	W	19.73	4.50	W	W
Rhode Island	W	W	W	--	--	W	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	6.78	2.83	140.0%	8.90	3.87	6.65	2.69
New Jersey	7.78	2.97	162.0%	--	--	7.78	2.97
New York	9.56	3.47	176.0%	8.90	3.87	9.74	3.19
Pennsylvania	5.43	2.51	116.0%	--	--	5.43	2.51
East North Central	4.43	2.67	66.0%	4.93	2.82	4.17	2.60
Illinois	W	W	W	4.90	2.98	W	W
Indiana	W	W	W	4.84	2.66	W	W
Michigan	4.28	2.75	56.0%	4.51	2.99	4.18	2.69
Ohio	4.02	2.53	59.0%	4.01	2.59	4.02	2.52
Wisconsin	W	W	W	5.61	2.97	W	W
West North Central	W	W	W	5.13	2.95	W	W
Iowa	4.31	2.18	98.0%	4.31	2.18	--	--
Kansas	5.82	3.61	61.0%	5.82	3.61	--	--
Minnesota	W	3.51	W	5.54	3.51	W	--
Missouri	W	W	W	5.12	2.78	W	W
Nebraska	6.67	4.51	48.0%	6.67	4.51	--	--
North Dakota	52.30	3.06	NM	52.30	3.06	--	--
South Dakota	5.27	--	--	5.27	--	--	--
South Atlantic	6.32	3.66	73.0%	6.39	3.78	5.79	2.80
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	5.66	4.02	W	W
Georgia	W	W	W	6.14	3.11	W	W
Maryland	W	3.34	W	10.64	5.49	W	3.15
North Carolina	W	W	W	7.97	3.75	W	W
South Carolina	6.84	3.47	97.0%	6.84	3.47	--	--
Virginia	6.30	3.48	81.0%	7.23	3.79	3.86	2.50
West Virginia	W	W	W	3.91	2.69	W	W
East South Central	4.58	2.98	54.0%	4.44	2.96	5.05	3.10
Alabama	W	W	W	5.06	3.09	W	W
Kentucky	W	W	W	4.67	3.47	W	W
Mississippi	W	W	W	4.28	2.84	W	W
Tennessee	4.01	2.78	44.0%	4.01	2.78	--	--
West South Central	4.51	2.79	62.0%	4.79	2.96	4.26	2.67
Arkansas	W	W	W	4.35	2.88	W	W
Louisiana	W	W	W	4.61	3.14	W	W
Oklahoma	W	W	W	5.70	2.75	W	W
Texas	4.39	2.73	61.0%	4.77	2.94	4.27	2.67
Mountain	6.40	W	W	6.51	3.46	5.52	W
Arizona	W	W	W	6.41	3.44	W	W
Colorado	W	W	W	5.29	3.52	W	W
Idaho	6.91	2.77	149.0%	6.91	2.77	--	--
Montana	3.80	2.33	63.0%	3.80	2.33	--	--
Nevada	7.12	3.58	99.0%	7.12	3.58	--	--
New Mexico	5.05	3.10	63.0%	5.05	3.10	--	--
Utah	8.06	3.58	125.0%	8.06	3.58	--	--
Wyoming	W	W	W	3.87	3.65	W	W
Pacific Contiguous	W	3.63	W	6.95	3.87	W	3.39
California	7.24	3.88	87.0%	7.72	4.31	6.65	3.49
Oregon	W	W	W	4.43	2.60	W	W
Washington	W	W	W	6.85	3.53	W	W
Pacific Noncontiguous	5.91	7.82	-24.0%	5.91	7.82	--	--
Alaska	5.91	7.82	-24.0%	5.91	7.82	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	5.95	3.22	85.0%	5.76	3.42	6.21	2.95

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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 2022

	Bituminous			Subbituminous			Lignite		
Census Division and State	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	8	0.94	8.0	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	8	0.94	8.0	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	805	2.53	8.7	0	--	--	0	--	--
New Jersey	63	1.35	7.2	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	741	2.63	8.9	0	--	--	0	--	--
East North Central	3,984	3.18	11.0	3,913	0.25	4.8	0	--	--
Illinois	808	3.50	21.0	1,486	0.22	4.6	0	--	--
Indiana	1,606	2.81	9.2	30	0.32	5.0	0	--	--
Michigan	163	2.46	7.6	1,274	0.27	4.9	0	--	--
Ohio	1,377	3.53	9.0	16	0.25	4.6	0	--	--
Wisconsin	30	2.43	7.7	1,107	0.26	5.0	0	--	--
West North Central	48	3.34	8.7	6,504	0.26	5.0	2,044	0.73	11.2
Iowa	28	3.70	8.7	899	0.24	4.8	0	--	--
Kansas	0	--	--	896	0.29	5.4	0	--	--
Minnesota	0	--	--	851	0.33	5.7	0	--	--
Missouri	19	2.84	8.6	2,599	0.23	4.8	0	--	--
Nebraska	0	--	--	1,134	0.25	4.8	0	--	--
North Dakota	0	--	--	0	--	--	2,044	0.73	11.2
South Dakota	0	--	--	125	0.33	5.1	0	--	--
South Atlantic	3,644	2.57	10.2	448	0.36	4.9	0	--	--
Delaware	12	2.13	7.3	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	510	2.55	8.3	0	--	--	0	--	--
Georgia	237	2.39	8.1	448	0.36	4.9	0	--	--
Maryland	151	2.31	12.6	0	--	--	0	--	--
North Carolina	521	1.89	8.8	0	--	--	0	--	--
South Carolina	401	1.91	9.0	0	--	--	0	--	--
Virginia	189	0.98	27.1	0	--	--	0	--	--
West Virginia	1,622	3.14	10.3	0	--	--	0	--	--
East South Central	1,967	2.70	9.6	1,825	0.28	5.4	196	0.57	15.0
Alabama	244	0.87	10.5	1,053	0.31	5.5	0	--	--
Kentucky	1,486	3.11	9.7	557	0.24	5.2	0	--	--
Mississippi	24	0.39	6.5	128	0.35	5.9	196	0.57	15.0
Tennessee	213	2.07	8.9	88	0.20	4.7	0	--	--
West South Central	31	2.03	14.3	6,160	0.29	5.1	1,549	1.09	16.8
Arkansas	5	0.60	8.3	1,204	0.21	4.8	0	--	--
Louisiana	18	2.83	8.2	486	0.24	4.9	0	--	--
Oklahoma	8	0.81	37.8	712	0.24	5.1	0	--	--
Texas	0	--	--	3,758	0.33	5.2	1,549	1.09	16.8
Mountain	1,410	0.60	12.9	4,311	0.50	9.0	0	--	--
Arizona	0	--	--	733	0.52	9.9	0	--	--
Colorado	52	0.47	10.3	773	0.28	5.2	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	667	0.68	9.5	0	--	--
Nevada	59	0.59	9.7	64	0.25	5.0	0	--	--
New Mexico	337	0.65	20.7	513	0.80	18.9	0	--	--
Utah	962	0.59	10.7	28	0.87	9.3	0	--	--
Wyoming	0	--	--	1,533	0.42	6.9	0	--	--
Pacific Contiguous	42	0.36	8.0	116	0.36	8.6	0	--	--
California	42	0.36	8.0	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	116	0.36	8.6	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	34	0.13	5.6
Alaska	0	--	--	0	--	--	34	0.13	5.6
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	11,938	2.56	10.5	23,278	0.31	5.8	3,824	0.86	13.6

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

Notes:
Bituminous coal includes anthracite coal and coal-derived synthesis gas.
See Glossary for definitions. Values for 2021 and 2022 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 2022

	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	1,820	2.79	8.9	2,565	0.27	4.9	0	--	--
Illinois	68	2.98	9.1	154	0.20	4.6	0	--	--
Indiana	1,414	2.78	9.1	30	0.32	5.0	0	--	--
Michigan	161	2.47	7.6	1,274	0.27	4.9	0	--	--
Ohio	146	3.19	9.0	0	--	--	0	--	--
Wisconsin	30	2.43	7.7	1,107	0.26	5.0	0	--	--
West North Central	16	2.80	8.6	6,247	0.26	5.0	2,044	0.73	11.2
Iowa	0	--	--	727	0.25	4.9	0	--	--
Kansas	0	--	--	896	0.29	5.4	0	--	--
Minnesota	0	--	--	851	0.33	5.7	0	--	--
Missouri	16	2.80	8.6	2,599	0.23	4.8	0	--	--
Nebraska	0	--	--	1,048	0.26	4.9	0	--	--
North Dakota	0	--	--	0	--	--	2,044	0.73	11.2
South Dakota	0	--	--	125	0.33	5.1	0	--	--
South Atlantic	3,112	2.54	10.3	448	0.36	4.9	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	510	2.55	8.3	0	--	--	0	--	--
Georgia	222	2.50	8.1	448	0.36	4.9	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	497	1.94	8.9	0	--	--	0	--	--
South Carolina	382	1.96	9.0	0	--	--	0	--	--
Virginia	175	1.01	29.6	0	--	--	0	--	--
West Virginia	1,326	3.09	10.5	0	--	--	0	--	--
East South Central	1,913	2.76	9.7	1,825	0.28	5.4	0	--	--
Alabama	244	0.87	10.5	1,053	0.31	5.5	0	--	--
Kentucky	1,486	3.11	9.7	557	0.24	5.2	0	--	--
Mississippi	24	0.39	6.5	128	0.35	5.9	0	--	--
Tennessee	159	2.51	9.1	88	0.20	4.7	0	--	--
West South Central	26	2.33	15.6	3,330	0.25	5.0	499	1.52	21.6
Arkansas	0	--	--	948	0.21	4.8	0	--	--
Louisiana	18	2.83	8.2	297	0.22	4.9	0	--	--
Oklahoma	8	0.81	37.8	697	0.24	5.1	0	--	--
Texas	0	--	--	1,387	0.29	5.2	499	1.52	21.6
Mountain	1,410	0.60	12.9	3,533	0.47	9.0	0	--	--
Arizona	0	--	--	733	0.52	9.9	0	--	--
Colorado	52	0.47	10.3	773	0.28	5.2	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	59	0.59	9.7	0	--	--	0	--	--
New Mexico	337	0.65	20.7	513	0.80	18.9	0	--	--
Utah	962	0.59	10.7	28	0.87	9.3	0	--	--
Wyoming	0	--	--	1,486	0.42	7.0	0	--	--
Pacific Contiguous	0	--	--	0	--	--	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	34	0.13	5.6
Alaska	0	--	--	0	--	--	34	0.13	5.6
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	8,296	2.34	10.3	17,947	0.31	5.8	2,578	0.86	13.0

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W = Withheld to avoid disclosure of individual company data.

Notes:
Bituminous coal includes anthracite coal and coal-derived synthesis gas.
See Glossary for definitions. Values for 2021 and 2022 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 2022

	Bituminous			Subbituminous			Lignite		
Census Division and State	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	8	0.94	8.0	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	8	0.94	8.0	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	805	2.53	8.7	0	--	--	0	--	--
New Jersey	63	1.35	7.2	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	741	2.63	8.9	0	--	--	0	--	--
East North Central	2,026	3.52	13.0	1,348	0.22	4.6	0	--	--
Illinois	603	3.58	26.3	1,332	0.22	4.6	0	--	--
Indiana	192	3.05	9.8	0	--	--	0	--	--
Michigan	0	--	--	0	--	--	0	--	--
Ohio	1,231	3.57	9.0	16	0.25	4.6	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	479	2.93	10.2	0	--	--	0	--	--
Delaware	12	2.13	7.3	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	151	2.31	12.6	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	19	1.05	9.7	0	--	--	0	--	--
Virginia	0	--	--	0	--	--	0	--	--
West Virginia	297	3.40	9.1	0	--	--	0	--	--
East South Central	0	--	--	0	--	--	196	0.57	15.0
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	196	0.57	15.0
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	0	--	--	2,815	0.33	5.2	1,050	0.91	14.7
Arkansas	0	--	--	255	0.22	4.8	0	--	--
Louisiana	0	--	--	189	0.28	4.9	0	--	--
Oklahoma	0	--	--	0	--	--	0	--	--
Texas	0	--	--	2,371	0.35	5.2	1,050	0.91	14.7
Mountain	0	--	--	778	0.63	8.9	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	667	0.68	9.5	0	--	--
Nevada	0	--	--	64	0.25	5.0	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	47	0.42	6.0	0	--	--
Pacific Contiguous	0	--	--	116	0.36	8.6	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	116	0.36	8.6	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	3,318	3.17	11.5	5,058	0.35	5.7	1,246	0.87	14.8

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 2021 and 2022 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 2022

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	0	--	--	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	0	--	--	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	0	--	--	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	0	--	--	0	--	--	0	--	--
East North Central	0	--	--	0	--	--	0	--	--
Illinois	0	--	--	0	--	--	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	0	--	--	0	--	--	0	--	--
Ohio	0	--	--	0	--	--	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	3	3.03	8.8	0	--	--	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	3	3.03	8.8	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	3	3.03	8.8	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 2021 and 2022 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 2022

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	0	--	--	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	0	--	--	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	0	--	--	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	0	--	--	0	--	--	0	--	--
East North Central	138	3.47	8.6	0	--	--	0	--	--
Illinois	137	3.50	8.6	0	--	--	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	1	0.51	7.2	0	--	--	0	--	--
Ohio	0	--	--	0	--	--	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	28	3.70	8.7	258	0.21	4.5	0	--	--
Iowa	28	3.70	8.7	172	0.21	4.5	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	0	--	--	0	--	--	0	--	--
Nebraska	0	--	--	86	0.21	4.4	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	53	0.85	7.1	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	15	0.98	7.7	0	--	--	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	24	0.83	6.9	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	14	0.74	7.1	0	--	--	0	--	--
West Virginia	0	--	--	0	--	--	0	--	--
East South Central	55	0.87	8.3	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	55	0.87	8.3	0	--	--	0	--	--
West South Central	5	0.60	8.3	15	0.25	5.0	0	--	--
Arkansas	5	0.60	8.3	0	--	--	0	--	--
Louisiana	0	--	--	0	--	--	0	--	--
Oklahoma	0	--	--	15	0.25	5.0	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	42	0.36	8.0	0	--	--	0	--	--
California	42	0.36	8.0	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	321	2.07	8.2	273	0.21	4.5	0	--	--

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W = Withheld to avoid disclosure of individual company data.

Notes:
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See Glossary for definitions. Values for 2021 and 2022 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

Chapter 5

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

Table 5.1. Sales of Electricity to Ultimate Customers:
Total by End-Use Sector, 2012 - January 2022 (Thousand Megawatthours)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	1,464,605	1,287,440	959,082	6,548	3,717,674
2021	1,476,569	1,324,782	986,797	6,392	3,794,539
Year 2020					
January	124,442	109,812	80,609	670	315,533
February	112,123	103,015	78,903	619	294,659
March	104,255	104,110	80,931	598	289,894
April	97,759	91,406	72,791	444	262,401
May	105,681	94,299	74,273	454	274,707
June	131,538	109,593	78,445	480	320,056
July	167,108	127,107	84,758	556	379,530
August	158,939	123,057	86,366	522	368,885
Sept	127,824	113,220	80,977	534	322,555
October	105,514	108,468	82,371	523	296,877
November	99,661	97,897	79,167	525	277,249
December	129,761	105,456	79,492	622	315,330
Year 2021					
January	137,127	104,135	79,104	569	320,936
February	126,970	98,028	73,138	552	298,688
March	114,426	102,112	76,293	546	293,378
April	94,177	98,200	78,736	510	271,623
May	101,498	104,403	82,651	489	289,041
June	132,834	118,879	85,301	519	337,532
July	155,325	127,404	89,391	559	372,679
August	158,651	130,998	90,176	573	380,399
Sept	131,864	118,793	84,825	531	336,013
October	104,581	112,161	84,036	532	301,310
November	101,030	103,311	81,528	491	286,360
December	118,085	106,357	81,618	521	306,581
Year 2022					
January	140,594	112,248	83,286	564	336,692
Year to Date					
2020	124,442	109,812	80,609	670	315,533
2021	137,127	104,135	79,104	569	320,936
2022	140,594	112,248	83,286	564	336,692
Rolling 12 Months Ending in January					
2021	1,477,290	1,281,763	957,578	6,447	3,723,077
2022	1,480,035	1,332,894	990,979	6,387	3,810,295

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 2020 and prior years are final. Values for 2022 and 2021 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, 2012 - January 2022 (Million Dollars)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	192,663	136,372	63,956	648	393,639
2021	202,632	149,328	71,682	653	424,295
Year 2020					
January	15,876	11,184	5,132	65	32,256
February	14,371	10,615	5,078	59	30,123
March	13,596	10,763	5,173	58	29,589
April	12,943	9,480	4,654	43	27,119
May	13,841	9,812	4,859	42	28,554
June	17,389	11,938	5,447	51	34,824
July	22,067	13,785	6,070	57	41,979
August	21,077	13,412	6,105	54	40,648
Sept	17,247	12,473	5,670	55	35,445
October	14,409	11,626	5,536	52	31,623
November	13,269	10,310	5,135	52	28,766
December	16,578	10,976	5,098	61	32,713
Year 2021					
January	17,408	10,738	5,056	55	33,256
February	16,946	11,280	5,779	55	34,060
March	15,218	11,407	5,379	53	32,057
April	12,960	10,734	5,320	52	29,065
May	14,101	11,385	5,548	49	31,083
June	18,393	13,480	6,213	54	38,140
July	21,538	14,669	6,725	57	42,990
August	22,138	15,142	6,887	58	44,225
Sept	18,705	13,901	6,525	59	39,190
October	14,739	12,967	6,328	55	34,087
November	14,254	11,714	6,081	51	32,101
December	16,234	11,911	5,841	55	34,041
Year 2022					
January	19,296	12,754	6,076	61	38,188
Year to Date					
2020	15,876	11,184	5,132	65	32,256
2021	17,408	10,738	5,056	55	33,256
2022	19,296	12,754	6,076	61	38,188
Rolling 12 Months Ending in January					
2021	194,195	135,926	63,880	638	394,639
2022	204,521	151,345	72,702	659	429,227

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.
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Sources: U.S. Energy Information Administration, Form EIA-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, 2012 - January 2022 (Cents per Kilowatthour)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	13.15	10.59	6.67	9.90	10.59
2021	13.72	11.27	7.26	10.21	11.18
Year 2020					
January	12.76	10.18	6.37	9.64	10.22
February	12.82	10.30	6.44	9.45	10.22
March	13.04	10.34	6.39	9.67	10.21
April	13.24	10.37	6.39	9.72	10.34
May	13.10	10.40	6.54	9.30	10.39
June	13.22	10.89	6.94	10.55	10.88
July	13.21	10.84	7.16	10.27	11.06
August	13.26	10.90	7.07	10.29	11.02
Sept	13.49	11.02	7.00	10.37	10.99
October	13.66	10.72	6.72	9.87	10.65
November	13.31	10.53	6.49	9.95	10.38
December	12.78	10.41	6.41	9.86	10.37
Year 2021					
January	12.69	10.31	6.39	9.61	10.36
February	13.35	11.51	7.90	9.95	11.40
March	13.30	11.17	7.05	9.79	10.93
April	13.76	10.93	6.76	10.11	10.70
May	13.89	10.90	6.71	10.07	10.75
June	13.85	11.34	7.28	10.32	11.30
July	13.87	11.51	7.52	10.18	11.54
August	13.95	11.56	7.64	10.17	11.63
Sept	14.19	11.70	7.69	11.16	11.66
October	14.09	11.56	7.53	10.27	11.31
November	14.11	11.34	7.46	10.48	11.21
December	13.75	11.20	7.16	10.50	11.10
Year 2022					
January	13.72	11.36	7.30	10.88	11.34
Year to Date					
2020	12.76	10.18	6.37	9.64	10.22
2021	12.69	10.31	6.39	9.61	10.36
2022	13.72	11.36	7.30	10.88	11.34
Rolling 12 Months Ending in January					
2021	13.15	10.60	6.67	9.90	10.60
2022	13.82	11.35	7.34	10.32	11.26

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.
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Values for 2020 and prior years are final. Values for 2022 and 2021 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. Sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.
Sources: U.S. Energy Information Administration, Form EIA-861M (formerly EIA-826), Monthly Electric Industry Power Report.
Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).

Table 5.4.A. Sales of Electricity to Ultimate Customers by End-Use Sector, by State, January 2022 and 2021 (Thousand Megawatthours)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
New England	4,846	4,680	4,208	4,042	1,295	1,277	46	43	10,394	10,042
Connecticut	1,377	1,278	994	957	226	223	14	11	2,611	2,469
Maine	547	468	385	322	221	205	0	0	1,153	995
Massachusetts	1,899	1,951	1,993	1,973	515	525	30	31	4,437	4,480
New Hampshire	501	472	368	346	155	148	0	0	1,023	967
Rhode Island	284	288	299	287	51	52	2	1	636	628
Vermont	239	223	170	157	126	124	0	0	534	503
Middle Atlantic	13,620	13,100	12,476	11,554	6,238	5,909	284	296	32,617	30,859
New Jersey	2,747	2,628	3,033	2,573	527	443	19	22	6,326	5,666
New York	4,698	4,684	5,961	5,809	1,428	1,370	210	228	12,297	12,092
Pennsylvania	6,175	5,787	3,481	3,172	4,283	4,096	55	46	13,994	13,101
East North Central	19,177	18,083	15,237	14,170	15,627	14,935	49	46	50,090	47,235
Illinois	4,523	4,189	4,173	3,879	3,633	3,467	43	40	12,372	11,575
Indiana	3,502	3,355	1,945	1,838	3,556	3,482	2	2	9,005	8,677
Michigan	3,354	3,149	3,216	3,001	2,275	2,153	0	0	8,845	8,304
Ohio	5,492	5,234	3,866	3,547	4,240	4,008	4	4	13,602	12,793
Wisconsin	2,306	2,156	2,038	1,905	1,924	1,825	0	0	6,267	5,886
West North Central	11,543	10,598	8,804	8,083	8,037	7,710	5	4	28,390	26,395
Iowa	1,710	1,484	1,156	1,003	2,083	2,076	0	0	4,949	4,563
Kansas	1,254	1,204	1,242	1,171	948	912	0	0	3,445	3,288
Minnesota	2,448	2,215	1,970	1,794	1,676	1,641	3	2	6,096	5,653
Missouri	3,785	3,653	2,552	2,388	1,136	1,060	2	2	7,474	7,103
Nebraska	1,115	995	786	713	964	844	0	0	2,864	2,552
North Dakota	659	541	662	611	975	934	0	0	2,297	2,086
South Dakota	572	505	436	402	256	243	0	0	1,264	1,150
South Atlantic	35,604	35,071	26,434	24,563	12,840	11,319	85	100	74,964	71,053
Delaware	528	497	380	330	167	164	0	0	1,075	990
District of Columbia	258	240	646	581	16	20	20	25	940	866
Florida	9,747	9,836	7,065	6,726	1,327	1,305	6	6	18,147	17,872
Georgia	5,893	5,697	3,813	3,615	2,762	2,593	12	13	12,480	11,917
Maryland	3,226	2,940	2,433	2,291	301	264	35	40	5,995	5,534
North Carolina	6,289	6,209	4,230	4,075	3,058	2,139	1	1	13,578	12,424
South Carolina	3,129	3,054	1,789	1,681	2,415	2,220	0	0	7,333	6,955
Virginia	5,141	5,252	5,383	4,635	1,547	1,391	10	15	12,080	11,293
West Virginia	1,393	1,347	694	630	1,248	1,224	0	0	3,335	3,201
East South Central	12,045	12,256	7,373	7,121	8,392	8,099	0	0	27,810	27,476
Alabama	3,296	3,165	1,820	1,745	2,653	2,656	0	0	7,769	7,566
Kentucky	2,895	2,841	1,631	1,524	2,544	2,400	0	0	7,070	6,765
Mississippi	1,722	1,816	1,078	1,040	1,286	1,260	0	0	4,087	4,117
Tennessee	4,132	4,434	2,844	2,811	1,908	1,783	0	0	8,884	9,029
West South Central	19,344	20,476	16,312	15,113	17,407	16,909	14	14	53,077	52,512
Arkansas	1,776	1,910	948	889	1,465	1,441	0	0	4,189	4,239
Louisiana	2,650	2,876	1,878	1,779	3,466	3,055	1	1	7,995	7,711
Oklahoma	2,283	2,234	1,635	1,487	1,815	1,756	0	0	5,733	5,477
Texas	12,635	13,455	11,851	10,958	10,661	10,658	13	13	35,160	35,085
Mountain	8,881	8,766	7,928	7,576	6,853	6,553	14	13	23,676	22,909
Arizona	2,528	2,596	2,210	2,123	1,124	1,131	1	1	5,863	5,852
Colorado	1,770	1,789	1,699	1,654	1,280	1,234	8	8	4,757	4,685
Idaho	1,094	963	589	555	594	567	0	0	2,277	2,086
Montana	663	574	445	412	382	368	0	0	1,490	1,354
Nevada	956	954	951	913	978	941	1	0	2,886	2,808
New Mexico	630	670	721	652	877	757	0	0	2,228	2,080
Utah	907	901	993	965	777	793	4	4	2,680	2,662
Wyoming	333	319	320	302	841	762	0	0	1,495	1,382
Pacific Contiguous	15,061	13,643	13,023	11,475	6,216	6,020	68	52	34,367	31,190
California	8,259	7,578	8,871	7,730	3,173	3,169	54	42	20,357	18,519
Oregon	2,252	2,062	1,455	1,375	1,242	1,168	2	2	4,951	4,607
Washington	4,549	4,002	2,697	2,370	1,801	1,684	12	8	9,059	8,064
Pacific Noncontiguous	472	454	453	439	382	372	0	0	1,307	1,265
Alaska	227	205	240	225	113	110	0	0	580	540
Hawaii	245	249	213	214	268	262	0	0	727	725
U.S. Total	140,594	137,127	112,248	104,135	83,286	79,104	564	569	336,692	320,936

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 2022 and 2021 (Thousand Megawatthours)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
New England	4,846	4,680	4,208	4,042	1,295	1,277	46	43	10,394	10,042
Connecticut	1,377	1,278	994	957	226	223	14	11	2,611	2,469
Maine	547	468	385	322	221	205	0	0	1,153	995
Massachusetts	1,899	1,951	1,993	1,973	515	525	30	31	4,437	4,480
New Hampshire	501	472	368	346	155	148	0	0	1,023	967
Rhode Island	284	288	299	287	51	52	2	1	636	628
Vermont	239	223	170	157	126	124	0	0	534	503
Middle Atlantic	13,620	13,100	12,476	11,554	6,238	5,909	284	296	32,617	30,859
New Jersey	2,747	2,628	3,033	2,573	527	443	19	22	6,326	5,666
New York	4,698	4,684	5,961	5,809	1,428	1,370	210	228	12,297	12,092
Pennsylvania	6,175	5,787	3,481	3,172	4,283	4,096	55	46	13,994	13,101
East North Central	19,177	18,083	15,237	14,170	15,627	14,935	49	46	50,090	47,235
Illinois	4,523	4,189	4,173	3,879	3,633	3,467	43	40	12,372	11,575
Indiana	3,502	3,355	1,945	1,838	3,556	3,482	2	2	9,005	8,677
Michigan	3,354	3,149	3,216	3,001	2,275	2,153	0	0	8,845	8,304
Ohio	5,492	5,234	3,866	3,547	4,240	4,008	4	4	13,602	12,793
Wisconsin	2,306	2,156	2,038	1,905	1,924	1,825	0	0	6,267	5,886
West North Central	11,543	10,598	8,804	8,083	8,037	7,710	5	4	28,390	26,395
Iowa	1,710	1,484	1,156	1,003	2,083	2,076	0	0	4,949	4,563
Kansas	1,254	1,204	1,242	1,171	948	912	0	0	3,445	3,288
Minnesota	2,448	2,215	1,970	1,794	1,676	1,641	3	2	6,096	5,653
Missouri	3,785	3,653	2,552	2,388	1,136	1,060	2	2	7,474	7,103
Nebraska	1,115	995	786	713	964	844	0	0	2,864	2,552
North Dakota	659	541	662	611	975	934	0	0	2,297	2,086
South Dakota	572	505	436	402	256	243	0	0	1,264	1,150
South Atlantic	35,604	35,071	26,434	24,563	12,840	11,319	85	100	74,964	71,053
Delaware	528	497	380	330	167	164	0	0	1,075	990
District of Columbia	258	240	646	581	16	20	20	25	940	866
Florida	9,747	9,836	7,065	6,726	1,327	1,305	6	6	18,147	17,872
Georgia	5,893	5,697	3,813	3,615	2,762	2,593	12	13	12,480	11,917
Maryland	3,226	2,940	2,433	2,291	301	264	35	40	5,995	5,534
North Carolina	6,289	6,209	4,230	4,075	3,058	2,139	1	1	13,578	12,424
South Carolina	3,129	3,054	1,789	1,681	2,415	2,220	0	0	7,333	6,955
Virginia	5,141	5,252	5,383	4,635	1,547	1,391	10	15	12,080	11,293
West Virginia	1,393	1,347	694	630	1,248	1,224	0	0	3,335	3,201
East South Central	12,045	12,256	7,373	7,121	8,392	8,099	0	0	27,810	27,476
Alabama	3,296	3,165	1,820	1,745	2,653	2,656	0	0	7,769	7,566
Kentucky	2,895	2,841	1,631	1,524	2,544	2,400	0	0	7,070	6,765
Mississippi	1,722	1,816	1,078	1,040	1,286	1,260	0	0	4,087	4,117
Tennessee	4,132	4,434	2,844	2,811	1,908	1,783	0	0	8,884	9,029
West South Central	19,344	20,476	16,312	15,113	17,407	16,909	14	14	53,077	52,512
Arkansas	1,776	1,910	948	889	1,465	1,441	0	0	4,189	4,239
Louisiana	2,650	2,876	1,878	1,779	3,466	3,055	1	1	7,995	7,711
Oklahoma	2,283	2,234	1,635	1,487	1,815	1,756	0	0	5,733	5,477
Texas	12,635	13,455	11,851	10,958	10,661	10,658	13	13	35,160	35,085
Mountain	8,881	8,766	7,928	7,576	6,853	6,553	14	13	23,676	22,909
Arizona	2,528	2,596	2,210	2,123	1,124	1,131	1	1	5,863	5,852
Colorado	1,770	1,789	1,699	1,654	1,280	1,234	8	8	4,757	4,685
Idaho	1,094	963	589	555	594	567	0	0	2,277	2,086
Montana	663	574	445	412	382	368	0	0	1,490	1,354
Nevada	956	954	951	913	978	941	1	0	2,886	2,808
New Mexico	630	670	721	652	877	757	0	0	2,228	2,080
Utah	907	901	993	965	777	793	4	4	2,680	2,662
Wyoming	333	319	320	302	841	762	0	0	1,495	1,382
Pacific Contiguous	15,061	13,643	13,023	11,475	6,216	6,020	68	52	34,367	31,190
California	8,259	7,578	8,871	7,730	3,173	3,169	54	42	20,357	18,519
Oregon	2,252	2,062	1,455	1,375	1,242	1,168	2	2	4,951	4,607
Washington	4,549	4,002	2,697	2,370	1,801	1,684	12	8	9,059	8,064
Pacific Noncontiguous	472	454	453	439	382	372	0	0	1,307	1,265
Alaska	227	205	240	225	113	110	0	0	580	540
Hawaii	245	249	213	214	268	262	0	0	727	725
U.S. Total	140,594	137,127	112,248	104,135	83,286	79,104	564	569	336,692	320,936

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

Table 5.5.A. Revenue from Sales of Electricity to Ultimate Customers by End-Use Sector, by State, January 2022 and 2021 (Million Dollars)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
New England	1,106	983	768	646	198	168	5	4	2,077	1,800
Connecticut	307	272	177	157	33	30	3	1	520	461
Maine	100	77	54	41	24	20	0	0	179	138
Massachusetts	480	436	390	321	90	75	2	2	963	834
New Hampshire	106	89	64	53	25	21	0	0	196	163
Rhode Island	67	67	53	48	10	9	0	0	130	124
Vermont	46	41	29	25	16	14	0	0	91	80
Middle Atlantic	2,311	2,039	1,728	1,402	494	374	34	33	4,568	3,848
New Jersey	448	425	404	318	64	47	2	2	919	792
New York	987	856	988	822	108	77	28	27	2,111	1,782
Pennsylvania	876	757	335	262	322	250	4	4	1,537	1,274
East North Central	2,668	2,383	1,644	1,429	1,189	992	3	3	5,505	4,808
Illinois	594	516	410	347	282	237	3	2	1,289	1,102
Indiana	470	411	230	205	278	232	0	0	978	848
Michigan	575	533	397	359	182	156	0	0	1,153	1,048
Ohio	688	620	377	321	297	237	0	0	1,363	1,179
Wisconsin	342	303	230	197	151	130	0	0	723	630
West North Central	1,268	1,124	835	712	573	503	0	0	2,676	2,340
Iowa	188	161	106	90	126	115	0	0	420	367
Kansas	157	143	131	115	75	63	0	0	363	321
Minnesota	311	276	217	174	141	120	0	0	670	571
Missouri	381	343	214	184	79	65	0	0	675	591
Nebraska	105	94	66	60	64	60	0	0	235	214
North Dakota	62	51	58	53	68	62	0	0	188	166
South Dakota	63	55	42	37	20	19	0	0	125	111
South Atlantic	4,390	3,984	2,652	2,201	858	679	8	8	7,908	6,872
Delaware	65	59	37	30	14	12	0	0	116	100
District of Columbia	34	29	95	68	1	1	2	2	132	101
Florida	1,303	1,146	758	629	111	97	1	0	2,172	1,872
Georgia	686	623	417	360	186	144	1	1	1,289	1,128
Maryland	432	371	285	227	28	21	3	3	748	622
North Carolina	685	658	335	322	163	123	0	0	1,182	1,103
South Carolina	398	366	197	169	167	125	0	0	762	659
Virginia	622	580	461	341	111	84	1	1	1,195	1,007
West Virginia	166	151	67	57	76	72	0	0	309	279
East South Central	1,442	1,347	860	763	556	444	0	0	2,858	2,554
Alabama	424	392	227	205	177	155	0	0	828	752
Kentucky	345	297	184	154	175	127	0	0	705	579
Mississippi	198	198	122	111	84	71	0	0	404	380
Tennessee	475	460	326	292	120	91	0	0	921	844
West South Central	2,259	2,189	1,357	1,191	1,041	848	1	1	4,658	4,229
Arkansas	184	180	86	75	92	79	0	0	362	334
Louisiana	297	275	202	169	228	157	0	0	728	601
Oklahoma	232	200	144	115	111	76	0	0	486	390
Texas	1,546	1,534	925	833	610	536	1	1	3,082	2,904
Mountain	1,067	997	752	675	447	394	1	1	2,267	2,067
Arizona	313	304	221	198	73	64	0	0	607	566
Colorado	241	217	178	161	106	92	1	1	526	471
Idaho	108	97	46	42	32	31	0	0	187	170
Montana	71	62	45	43	23	19	0	0	139	124
Nevada	124	110	81	66	60	46	0	0	264	222
New Mexico	83	84	74	64	54	41	0	0	211	188
Utah	93	90	78	73	46	49	0	0	217	213
Wyoming	34	33	29	28	53	52	0	0	117	113
Pacific Contiguous	2,643	2,242	2,037	1,613	613	570	8	5	5,301	4,430
California	1,947	1,624	1,648	1,277	439	413	6	4	4,041	3,319
Oregon	245	227	135	123	73	67	0	0	453	417
Washington	451	390	254	213	101	90	1	1	807	694
Pacific Noncontiguous	141	120	123	105	106	83	0	0	371	308
Alaska	49	44	46	42	20	17	0	0	115	103
Hawaii	92	76	77	63	86	66	0	0	256	205
U.S. Total	19,296	17,408	12,754	10,738	6,076	5,056	61	55	38,188	33,256

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

Table 5.5.B. Revenue from Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through January 2022 and 2021 (Million Dollars)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
New England	1,106	983	768	646	198	168	5	4	2,077	1,800
Connecticut	307	272	177	157	33	30	3	1	520	461
Maine	100	77	54	41	24	20	0	0	179	138
Massachusetts	480	436	390	321	90	75	2	2	963	834
New Hampshire	106	89	64	53	25	21	0	0	196	163
Rhode Island	67	67	53	48	10	9	0	0	130	124
Vermont	46	41	29	25	16	14	0	0	91	80
Middle Atlantic	2,311	2,039	1,728	1,402	494	374	34	33	4,568	3,848
New Jersey	448	425	404	318	64	47	2	2	919	792
New York	987	856	988	822	108	77	28	27	2,111	1,782
Pennsylvania	876	757	335	262	322	250	4	4	1,537	1,274
East North Central	2,668	2,383	1,644	1,429	1,189	992	3	3	5,505	4,808
Illinois	594	516	410	347	282	237	3	2	1,289	1,102
Indiana	470	411	230	205	278	232	0	0	978	848
Michigan	575	533	397	359	182	156	0	0	1,153	1,048
Ohio	688	620	377	321	297	237	0	0	1,363	1,179
Wisconsin	342	303	230	197	151	130	0	0	723	630
West North Central	1,268	1,124	835	712	573	503	0	0	2,676	2,340
Iowa	188	161	106	90	126	115	0	0	420	367
Kansas	157	143	131	115	75	63	0	0	363	321
Minnesota	311	276	217	174	141	120	0	0	670	571
Missouri	381	343	214	184	79	65	0	0	675	591
Nebraska	105	94	66	60	64	60	0	0	235	214
North Dakota	62	51	58	53	68	62	0	0	188	166
South Dakota	63	55	42	37	20	19	0	0	125	111
South Atlantic	4,390	3,984	2,652	2,201	858	679	8	8	7,908	6,872
Delaware	65	59	37	30	14	12	0	0	116	100
District of Columbia	34	29	95	68	1	1	2	2	132	101
Florida	1,303	1,146	758	629	111	97	1	0	2,172	1,872
Georgia	686	623	417	360	186	144	1	1	1,289	1,128
Maryland	432	371	285	227	28	21	3	3	748	622
North Carolina	685	658	335	322	163	123	0	0	1,182	1,103
South Carolina	398	366	197	169	167	125	0	0	762	659
Virginia	622	580	461	341	111	84	1	1	1,195	1,007
West Virginia	166	151	67	57	76	72	0	0	309	279
East South Central	1,442	1,347	860	763	556	444	0	0	2,858	2,554
Alabama	424	392	227	205	177	155	0	0	828	752
Kentucky	345	297	184	154	175	127	0	0	705	579
Mississippi	198	198	122	111	84	71	0	0	404	380
Tennessee	475	460	326	292	120	91	0	0	921	844
West South Central	2,259	2,189	1,357	1,191	1,041	848	1	1	4,658	4,229
Arkansas	184	180	86	75	92	79	0	0	362	334
Louisiana	297	275	202	169	228	157	0	0	728	601
Oklahoma	232	200	144	115	111	76	0	0	486	390
Texas	1,546	1,534	925	833	610	536	1	1	3,082	2,904
Mountain	1,067	997	752	675	447	394	1	1	2,267	2,067
Arizona	313	304	221	198	73	64	0	0	607	566
Colorado	241	217	178	161	106	92	1	1	526	471
Idaho	108	97	46	42	32	31	0	0	187	170
Montana	71	62	45	43	23	19	0	0	139	124
Nevada	124	110	81	66	60	46	0	0	264	222
New Mexico	83	84	74	64	54	41	0	0	211	188
Utah	93	90	78	73	46	49	0	0	217	213
Wyoming	34	33	29	28	53	52	0	0	117	113
Pacific Contiguous	2,643	2,242	2,037	1,613	613	570	8	5	5,301	4,430
California	1,947	1,624	1,648	1,277	439	413	6	4	4,041	3,319
Oregon	245	227	135	123	73	67	0	0	453	417
Washington	451	390	254	213	101	90	1	1	807	694
Pacific Noncontiguous	141	120	123	105	106	83	0	0	371	308
Alaska	49	44	46	42	20	17	0	0	115	103
Hawaii	92	76	77	63	86	66	0	0	256	205
U.S. Total	19,296	17,408	12,754	10,738	6,076	5,056	61	55	38,188	33,256

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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 2022 and 2021 (Cents per Kilowatthour)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
New England	22.83	21.00	18.24	15.98	15.27	13.13	11.86	8.47	19.98	17.92
Connecticut	22.28	21.29	17.79	16.44	14.67	13.38	21.18	13.92	19.90	18.67
Maine	18.32	16.50	14.05	12.81	11.07	9.63	--	--	15.51	13.89
Massachusetts	25.28	22.32	19.59	16.28	17.49	14.34	7.25	6.00	21.70	18.61
New Hampshire	21.26	18.93	17.54	15.40	16.00	13.86	--	--	19.13	16.89
Rhode Island	23.56	23.41	17.70	16.71	18.60	16.36	16.60	21.96	20.38	19.76
Vermont	19.34	18.39	16.97	15.92	12.39	11.11	--	--	16.95	15.83
Middle Atlantic	16.97	15.56	13.85	12.14	7.92	6.34	12.08	11.02	14.00	12.47
New Jersey	16.32	16.19	13.32	12.36	12.22	10.61	12.45	9.49	14.53	13.99
New York	21.01	18.27	16.58	14.15	7.55	5.63	13.34	11.63	17.17	14.73
Pennsylvania	14.19	13.09	9.63	8.27	7.52	6.11	7.14	8.72	10.99	9.72
East North Central	13.91	13.18	10.79	10.08	7.61	6.64	7.02	6.25	10.99	10.18
Illinois	13.12	12.31	9.83	8.95	7.76	6.84	6.83	6.05	10.42	9.52
Indiana	13.41	12.26	11.82	11.14	7.82	6.66	10.29	8.83	10.86	9.78
Michigan	17.13	16.92	12.33	11.96	7.99	7.25	11.63	11.38	13.04	12.62
Ohio	12.53	11.85	9.75	9.05	7.01	5.92	6.84	6.56	10.02	9.21
Wisconsin	14.82	14.05	11.31	10.35	7.84	7.12	17.41	15.04	11.53	10.70
West North Central	10.98	10.61	9.48	8.81	7.13	6.53	9.45	7.79	9.43	8.87
Iowa	10.97	10.88	9.15	8.98	6.05	5.56	--	--	8.48	8.04
Kansas	12.52	11.86	10.56	9.81	7.87	6.91	--	--	10.53	9.76
Minnesota	12.71	12.48	11.03	9.69	8.44	7.32	11.38	9.05	10.99	10.09
Missouri	10.08	9.39	8.40	7.69	6.98	6.09	6.98	6.19	9.03	8.33
Nebraska	9.43	9.41	8.42	8.44	6.59	7.09	--	--	8.20	8.37
North Dakota	9.44	9.46	8.77	8.64	6.93	6.63	--	--	8.18	7.95
South Dakota	11.03	10.99	9.62	9.14	7.95	7.70	--	--	9.92	9.65
South Atlantic	12.33	11.36	10.03	8.96	6.68	6.00	9.00	7.81	10.55	9.67
Delaware	12.24	11.78	9.83	9.05	8.65	7.08	--	--	10.83	10.09
District of Columbia	13.18	12.26	14.66	11.67	8.10	7.47	11.37	9.03	14.08	11.66
Florida	13.36	11.65	10.73	9.35	8.34	7.44	10.31	8.12	11.97	10.48
Georgia	11.63	10.94	10.93	9.96	6.75	5.56	6.67	5.13	10.33	9.46
Maryland	13.40	12.62	11.71	9.90	9.43	8.09	7.99	7.67	12.48	11.24
North Carolina	10.88	10.60	7.92	7.90	5.32	5.75	7.33	7.42	8.71	8.88
South Carolina	12.73	11.99	11.02	10.03	6.91	5.61	--	--	10.40	9.48
Virginia	12.10	11.05	8.56	7.36	7.19	6.06	9.98	8.37	9.89	8.92
West Virginia	11.95	11.20	9.63	9.02	6.10	5.86	--	--	9.28	8.73
East South Central	11.98	10.99	11.66	10.72	6.63	5.48	--	--	10.28	9.30
Alabama	12.86	12.38	12.47	11.77	6.69	5.83	--	--	10.66	9.94
Kentucky	11.93	10.47	11.31	10.12	6.88	5.30	--	--	9.97	8.56
Mississippi	11.48	10.88	11.34	10.70	6.54	5.62	--	--	9.88	9.22
Tennessee	11.51	10.38	11.46	10.40	6.28	5.12	--	--	10.37	9.35
West South Central	11.68	10.69	8.32	7.88	5.98	5.02	6.98	6.81	8.78	8.05
Arkansas	10.33	9.42	9.11	8.40	6.31	5.50	20.20	11.85	8.65	7.87
Louisiana	11.20	9.58	10.77	9.49	6.59	5.14	9.38	10.88	9.10	7.80
Oklahoma	10.16	8.93	8.78	7.71	6.10	4.32	--	--	8.48	7.12
Texas	12.24	11.40	7.80	7.60	5.72	5.03	6.82	6.55	8.77	8.28
Mountain	12.01	11.37	9.48	8.91	6.53	6.01	9.51	9.34	9.58	9.02
Arizona	12.37	11.70	9.99	9.34	6.50	5.64	8.00	8.11	10.35	9.67
Colorado	13.61	12.14	10.50	9.71	8.27	7.48	9.19	8.76	11.05	10.05
Idaho	9.90	10.05	7.80	7.60	5.46	5.41	--	--	8.20	8.13
Montana	10.67	10.72	10.09	10.39	6.05	5.27	--	--	9.31	9.14
Nevada	12.93	11.53	8.52	7.23	6.10	4.92	8.23	10.39	9.16	7.92
New Mexico	13.12	12.53	10.31	9.78	6.17	5.37	--	--	9.48	9.06
Utah	10.29	10.04	7.83	7.57	5.88	6.19	10.74	10.62	8.10	8.00
Wyoming	10.28	10.46	9.03	9.41	6.34	6.76	--	--	7.79	8.19
Pacific Contiguous	17.55	16.43	15.64	14.06	9.86	9.47	11.55	9.89	15.42	14.20
California	23.58	21.43	18.58	16.52	13.83	13.03	12.00	9.89	19.85	17.92
Oregon	10.86	11.01	9.27	8.93	5.89	5.76	9.94	9.76	9.15	9.06
Washington	9.92	9.75	9.41	9.00	5.59	5.34	9.78	9.94	8.91	8.61
Pacific Noncontiguous	29.93	26.43	27.18	23.85	27.88	22.42	--	--	28.38	24.36
Alaska	21.82	21.45	19.06	18.66	17.80	15.58	--	--	19.89	19.09
Hawaii	37.44	30.55	36.29	29.30	32.14	25.29	--	--	35.15	28.28
U.S. Total	13.72	12.69	11.36	10.31	7.30	6.39	10.88	9.61	11.34	10.36

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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 2022 and 2021 (Cents per Kilowatthour)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD	January 2022 YTD	January 2021 YTD
New England	22.83	21.00	18.24	15.98	15.27	13.13	11.86	8.47	19.98	17.92
Connecticut	22.28	21.29	17.79	16.44	14.67	13.38	21.18	13.92	19.90	18.67
Maine	18.32	16.50	14.05	12.81	11.07	9.63	--	--	15.51	13.89
Massachusetts	25.28	22.32	19.59	16.28	17.49	14.34	7.25	6.00	21.70	18.61
New Hampshire	21.26	18.93	17.54	15.40	16.00	13.86	--	--	19.13	16.89
Rhode Island	23.56	23.41	17.70	16.71	18.60	16.36	16.60	21.96	20.38	19.76
Vermont	19.34	18.39	16.97	15.92	12.39	11.11	--	--	16.95	15.83
Middle Atlantic	16.97	15.56	13.85	12.14	7.92	6.34	12.08	11.02	14.00	12.47
New Jersey	16.32	16.19	13.32	12.36	12.22	10.61	12.45	9.49	14.53	13.99
New York	21.01	18.27	16.58	14.15	7.55	5.63	13.34	11.63	17.17	14.73
Pennsylvania	14.19	13.09	9.63	8.27	7.52	6.11	7.14	8.72	10.99	9.72
East North Central	13.91	13.18	10.79	10.08	7.61	6.64	7.02	6.25	10.99	10.18
Illinois	13.12	12.31	9.83	8.95	7.76	6.84	6.83	6.05	10.42	9.52
Indiana	13.41	12.26	11.82	11.14	7.82	6.66	10.29	8.83	10.86	9.78
Michigan	17.13	16.92	12.33	11.96	7.99	7.25	11.63	11.38	13.04	12.62
Ohio	12.53	11.85	9.75	9.05	7.01	5.92	6.84	6.56	10.02	9.21
Wisconsin	14.82	14.05	11.31	10.35	7.84	7.12	17.41	15.04	11.53	10.70
West North Central	10.98	10.61	9.48	8.81	7.13	6.53	9.45	7.79	9.43	8.87
Iowa	10.97	10.88	9.15	8.98	6.05	5.56	--	--	8.48	8.04
Kansas	12.52	11.86	10.56	9.81	7.87	6.91	--	--	10.53	9.76
Minnesota	12.71	12.48	11.03	9.69	8.44	7.32	11.38	9.05	10.99	10.09
Missouri	10.08	9.39	8.40	7.69	6.98	6.09	6.98	6.19	9.03	8.33
Nebraska	9.43	9.41	8.42	8.44	6.59	7.09	--	--	8.20	8.37
North Dakota	9.44	9.46	8.77	8.64	6.93	6.63	--	--	8.18	7.95
South Dakota	11.03	10.99	9.62	9.14	7.95	7.70	--	--	9.92	9.65
South Atlantic	12.33	11.36	10.03	8.96	6.68	6.00	9.00	7.81	10.55	9.67
Delaware	12.24	11.78	9.83	9.05	8.65	7.08	--	--	10.83	10.09
District of Columbia	13.18	12.26	14.66	11.67	8.10	7.47	11.37	9.03	14.08	11.66
Florida	13.36	11.65	10.73	9.35	8.34	7.44	10.31	8.12	11.97	10.48
Georgia	11.63	10.94	10.93	9.96	6.75	5.56	6.67	5.13	10.33	9.46
Maryland	13.40	12.62	11.71	9.90	9.43	8.09	7.99	7.67	12.48	11.24
North Carolina	10.88	10.60	7.92	7.90	5.32	5.75	7.33	7.42	8.71	8.88
South Carolina	12.73	11.99	11.02	10.03	6.91	5.61	--	--	10.40	9.48
Virginia	12.10	11.05	8.56	7.36	7.19	6.06	9.98	8.37	9.89	8.92
West Virginia	11.95	11.20	9.63	9.02	6.10	5.86	--	--	9.28	8.73
East South Central	11.98	10.99	11.66	10.72	6.63	5.48	--	--	10.28	9.30
Alabama	12.86	12.38	12.47	11.77	6.69	5.83	--	--	10.66	9.94
Kentucky	11.93	10.47	11.31	10.12	6.88	5.30	--	--	9.97	8.56
Mississippi	11.48	10.88	11.34	10.70	6.54	5.62	--	--	9.88	9.22
Tennessee	11.51	10.38	11.46	10.40	6.28	5.12	--	--	10.37	9.35
West South Central	11.68	10.69	8.32	7.88	5.98	5.02	6.98	6.81	8.78	8.05
Arkansas	10.33	9.42	9.11	8.40	6.31	5.50	20.20	11.85	8.65	7.87
Louisiana	11.20	9.58	10.77	9.49	6.59	5.14	9.38	10.88	9.10	7.80
Oklahoma	10.16	8.93	8.78	7.71	6.10	4.32	--	--	8.48	7.12
Texas	12.24	11.40	7.80	7.60	5.72	5.03	6.82	6.55	8.77	8.28
Mountain	12.01	11.37	9.48	8.91	6.53	6.01	9.51	9.34	9.58	9.02
Arizona	12.37	11.70	9.99	9.34	6.50	5.64	8.00	8.11	10.35	9.67
Colorado	13.61	12.14	10.50	9.71	8.27	7.48	9.19	8.76	11.05	10.05
Idaho	9.90	10.05	7.80	7.60	5.46	5.41	--	--	8.20	8.13
Montana	10.67	10.72	10.09	10.39	6.05	5.27	--	--	9.31	9.14
Nevada	12.93	11.53	8.52	7.23	6.10	4.92	8.23	10.39	9.16	7.92
New Mexico	13.12	12.53	10.31	9.78	6.17	5.37	--	--	9.48	9.06
Utah	10.29	10.04	7.83	7.57	5.88	6.19	10.74	10.62	8.10	8.00
Wyoming	10.28	10.46	9.03	9.41	6.34	6.76	--	--	7.79	8.19
Pacific Contiguous	17.55	16.43	15.64	14.06	9.86	9.47	11.55	9.89	15.42	14.20
California	23.58	21.43	18.58	16.52	13.83	13.03	12.00	9.89	19.85	17.92
Oregon	10.86	11.01	9.27	8.93	5.89	5.76	9.94	9.76	9.15	9.06
Washington	9.92	9.75	9.41	9.00	5.59	5.34	9.78	9.94	8.91	8.61
Pacific Noncontiguous	29.93	26.43	27.18	23.85	27.88	22.42	--	--	28.38	24.36
Alaska	21.82	21.45	19.06	18.66	17.80	15.58	--	--	19.89	19.09
Hawaii	37.44	30.55	36.29	29.30	32.14	25.29	--	--	35.15	28.28
U.S. Total	13.72	12.69	11.36	10.31	7.30	6.39	10.88	9.61	11.34	10.36

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: 2012 - January 2022

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	136,682,001	18,848,813	992,311	83	156,523,208
2021	137,865,211	19,029,444	1,021,120	81	157,915,856
Year 2020					
January	135,882,652	18,806,506	973,566	83	155,662,807
February	135,215,196	18,691,075	956,000	83	154,862,354
March	136,372,119	18,871,191	973,805	83	156,217,198
April	136,344,191	18,827,108	984,766	83	156,156,148
May	136,178,906	18,763,333	985,155	83	155,927,477
June	136,740,348	18,861,854	1,007,108	83	156,609,393
July	137,441,000	18,916,992	1,020,510	82	157,378,584
August	136,834,443	18,827,402	1,009,473	82	156,671,400
Sept	137,124,272	18,867,545	1,010,883	82	157,002,782
October	137,301,842	18,919,047	993,821	82	157,214,792
November	136,773,523	18,836,665	978,625	82	156,588,895
December	137,973,904	18,995,400	1,013,820	82	157,983,206
Year 2021					
January	136,782,881	18,842,816	998,326	82	156,624,105
February	136,042,204	18,688,700	984,651	82	155,715,637
March	138,312,782	19,005,532	1,014,676	82	158,333,072
April	137,610,380	18,991,712	1,011,569	82	157,613,743
May	137,441,886	18,992,693	1,011,926	81	157,446,586
June	138,330,325	19,127,837	1,035,863	80	158,494,105
July	138,322,212	19,115,275	1,031,057	80	158,468,624
August	138,457,003	19,116,894	1,043,127	81	158,617,105
Sept	138,497,178	19,124,135	1,039,865	81	158,661,259
October	138,083,171	19,136,753	1,022,298	81	158,242,303
November	137,587,615	19,029,511	1,021,311	81	157,638,518
December	138,914,893	19,181,468	1,038,771	81	159,135,213
Year 2022					
January	138,083,382	19,107,487	1,021,429	81	158,212,379
Rolling 12 Months Ending in January					
2021	136,756,885	18,851,702	994,358	82	156,603,028
2022	137,973,586	19,051,500	1,023,045	81	158,048,212

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 2020 and prior years are final. Values for 2022 and 2021 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 2022 and 2021

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
New England	6,566,188	6,493,728	925,867	916,287	22,026	22,632	6	6	7,514,087	7,432,653
Connecticut	1,544,205	1,525,840	155,958	155,169	3,984	4,100	3	3	1,704,150	1,685,112
Maine	738,665	724,224	101,867	99,631	2,275	2,530	0	0	842,807	826,385
Massachusetts	2,873,247	2,845,703	437,020	433,005	10,723	10,933	2	2	3,320,992	3,289,643
New Hampshire	640,413	635,432	110,514	109,118	3,173	3,166	0	0	754,100	747,716
Rhode Island	451,980	446,977	60,346	59,977	1,629	1,661	1	1	513,956	508,616
Vermont	317,678	315,552	60,162	59,387	242	242	0	0	378,082	375,181
Middle Atlantic	16,496,944	16,328,122	2,419,073	2,408,765	33,524	33,994	19	19	18,949,560	18,770,900
New Jersey	3,673,543	3,646,792	532,737	525,099	11,437	11,407	6	6	4,217,723	4,183,304
New York	7,336,235	7,224,474	1,160,016	1,162,028	7,323	7,274	8	8	8,503,582	8,393,784
Pennsylvania	5,487,166	5,456,856	726,320	721,638	14,764	15,313	5	5	6,228,255	6,193,812
East North Central	20,593,609	20,452,059	2,564,093	2,538,551	55,396	55,297	10	11	23,213,108	23,045,918
Illinois	5,364,397	5,337,847	635,660	630,479	5,618	5,641	3	3	6,005,678	5,973,970
Indiana	2,933,189	2,900,261	367,811	363,729	19,074	19,152	1	1	3,320,075	3,283,143
Michigan	4,477,633	4,446,849	553,463	544,986	5,657	5,477	2	2	5,036,755	4,997,314
Ohio	5,035,221	5,004,153	641,972	636,622	19,516	19,581	2	3	5,696,711	5,660,359
Wisconsin	2,783,169	2,762,949	365,187	362,735	5,531	5,446	2	2	3,153,889	3,131,132
West North Central	9,782,956	9,666,654	1,508,818	1,487,898	124,431	122,995	3	3	11,416,208	11,277,550
Iowa	1,431,737	1,414,194	247,569	244,155	8,309	8,274	0	0	1,687,615	1,666,623
Kansas	1,304,412	1,290,877	246,525	243,211	24,259	23,836	0	0	1,575,196	1,557,924
Minnesota	2,519,241	2,480,807	307,268	303,586	8,890	8,756	1	1	2,835,400	2,793,150
Missouri	2,838,337	2,815,119	395,450	390,562	9,880	9,899	2	2	3,243,669	3,215,582
Nebraska	878,579	867,385	159,063	155,250	60,048	59,290	0	0	1,097,690	1,081,925
North Dakota	393,264	388,059	77,260	76,786	8,980	8,906	0	0	479,504	473,751
South Dakota	417,386	410,213	75,683	74,348	4,065	4,034	0	0	497,134	488,595
South Atlantic	29,271,630	28,854,351	3,913,882	3,866,987	84,515	85,373	13	13	33,270,040	32,806,724
Delaware	453,036	446,769	58,181	56,889	819	829	0	0	512,036	504,487
District of Columbia	301,010	294,941	26,907	26,722	1	1	3	3	327,921	321,667
Florida	9,915,177	9,665,475	1,259,436	1,245,068	24,091	23,448	2	2	11,198,706	10,933,993
Georgia	4,603,028	4,518,438	600,201	591,310	23,895	23,529	1	1	5,227,125	5,133,278
Maryland	2,419,586	2,402,845	259,407	257,470	9,001	8,967	5	5	2,687,999	2,669,287
North Carolina	4,707,305	4,735,181	718,507	712,634	8,400	9,807	1	1	5,434,213	5,457,623
South Carolina	2,425,257	2,391,120	398,729	390,923	3,365	3,688	0	0	2,827,351	2,785,731
Virginia	3,581,765	3,533,787	443,480	438,913	3,677	3,700	1	1	4,028,923	3,976,401
West Virginia	865,466	865,795	149,034	147,058	11,266	11,404	0	0	1,025,766	1,024,257
East South Central	8,647,404	8,524,551	1,453,581	1,428,434	26,024	25,846	0	0	10,127,009	9,978,831
Alabama	2,322,614	2,284,207	375,495	369,704	7,925	7,921	0	0	2,706,034	2,661,832
Kentucky	2,006,790	1,990,591	319,483	315,359	5,899	5,961	0	0	2,332,172	2,311,911
Mississippi	1,334,359	1,314,115	241,494	236,592	11,171	10,935	0	0	1,587,024	1,561,642
Tennessee	2,983,641	2,935,638	517,109	506,779	1,029	1,029	0	0	3,501,779	3,443,446
West South Central	16,902,918	16,872,991	2,352,929	2,303,025	385,386	357,300	6	6	19,641,239	19,533,322
Arkansas	1,438,917	1,396,285	205,900	200,181	36,505	35,469	2	2	1,681,324	1,631,937
Louisiana	2,140,138	2,118,576	300,020	295,678	20,395	19,324	1	1	2,460,554	2,433,579
Oklahoma	1,836,688	1,807,931	296,966	290,049	19,245	19,365	0	0	2,152,899	2,117,345
Texas	11,487,175	11,550,199	1,550,043	1,517,117	309,241	283,142	3	3	13,346,462	13,350,461
Mountain	10,348,159	10,163,265	1,468,609	1,449,523	94,207	94,779	5	5	11,910,980	11,707,572
Arizona	2,974,837	2,916,092	336,938	332,080	7,209	7,341	2	2	3,318,986	3,255,515
Colorado	2,414,609	2,375,962	386,285	382,482	14,554	14,630	1	1	2,815,449	2,773,075
Idaho	809,187	793,378	116,989	115,830	28,686	28,510	0	0	954,862	937,718
Montana	536,401	526,527	113,999	111,964	9,874	9,647	0	0	660,274	648,138
Nevada	1,262,017	1,240,188	172,718	170,708	3,134	3,054	1	1	1,437,870	1,413,951
New Mexico	903,220	894,667	145,421	144,497	9,276	9,221	0	0	1,057,917	1,048,385
Utah	1,167,393	1,138,747	137,778	133,974	9,871	10,925	1	1	1,315,043	1,283,647
Wyoming	280,495	277,704	58,481	57,988	11,603	11,451	0	0	350,579	347,143
Pacific Contiguous	18,730,185	18,688,955	2,383,772	2,327,653	193,971	198,179	19	19	21,307,947	21,214,806
California	13,680,315	13,709,368	1,734,487	1,687,306	142,714	147,673	12	12	15,557,528	15,544,359
Oregon	1,820,299	1,797,982	247,318	244,000	25,078	24,725	2	2	2,092,697	2,066,709
Washington	3,229,571	3,181,605	401,967	396,347	26,179	25,781	5	5	3,657,722	3,603,738
Pacific Noncontiguous	743,389	738,205	116,863	115,693	1,949	1,931	0	0	862,201	855,829
Alaska	294,424	291,643	56,762	56,028	1,132	1,124	0	0	352,318	348,795
Hawaii	448,965	446,562	60,101	59,665	817	807	0	0	509,883	507,034
U.S. Total	138,083,382	136,782,881	19,107,487	18,842,816	1,021,429	998,326	81	82	158,212,379	156,624,105

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.
NM = Not Meaningful due to large relative standard error or excessive percentage change.
See Technical Notes for a discussion of the sample design for the Form EIA-826.
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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 2021 to January 2022

		As of End of December 2021	Activity During January 2022 as Reported to EIA		As of End of January 2022	Net Change in Capacity - Current Month and Prior Periods			Changes in and Total Net Summer Capacity – Outlook Based on Reports to EIA							
									Planned Capacity Additions		Planned Capacity Reductions		Planned Net Change		Planned Total Net Summer	
Technology	Capacity Source	Total In-Service Capacity	Actual Capacity Additions	Actual Capacity Reductions	Total In-Service Capacity	Current Month	Year to Date	Past 12 Months	Next Month	Next 12 Months	Next Month	Next 12 Months	Next Month	Next 12 Months	At End of Next Month	At End of Next 12 Months
..... *Onshore Wind (Summer Capacity)*	*Utility Scale Facilities*	*132,359.3*	*1,337.9*	*11.3*	*133,685.9*	*1,326.6*	*1,326.6*	*14,235.3*	*1,824.8*	*8,991.5*	*0.0*	*17.5*	*1,824.8*	*8,974.0*	*135,510.7*	*142,659.9*
..... *Offshore Wind (Summer Capacity)*	*Utility Scale Facilities*	*41.3*	*0.0*	*0.0*	*41.3*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*41.3*	*41.3*
..... Wind (Summer Capacity)	Utility Scale Facilities	132,400.6	1,337.9	11.3	133,727.2	1,326.6	1,326.6	14,235.3	1,824.8	8,991.5	0.0	17.5	1,824.8	8,974.0	135,552.0	142,701.2
..... *Solar Photovoltaic*	*Utility Scale Facilities*	*59,534.5*	*1,139.0*	*4.6*	*60,668.9*	*1,134.4*	*1,134.4*	*13,898.2*	*981.8*	*21,101.8*	*0.0*	*0.0*	*981.8*	*21,101.8*	*61,650.7*	*81,770.7*
..... *Solar Thermal without Energy Storage*	*Utility Scale Facilities*	*1,074.3*	*0.0*	*0.0*	*1,074.3*	*0.0*	*0.0*	*-268.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*1,074.3*	*1,074.3*
..... *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	61,014.4	1,139.0	4.6	62,148.8	1,134.4	1,134.4	13,630.2	981.8	21,101.8	0.0	0.0	981.8	21,101.8	63,130.6	83,250.6
..... Conventional Hydroelectric	Utility Scale Facilities	80,027.0	4.5	0.6	80,030.9	3.9	3.9	73.1	3.4	88.1	0.0	7.5	3.4	80.6	80,034.3	80,111.5
..... *Wood/Wood Waste Biomass*	*Utility Scale Facilities*	*8,172.5*	*0.0*	*21.8*	*8,150.7*	*-21.8*	*-21.8*	*-175.0*	*0.0*	*0.0*	*0.0*	*7.8*	*0.0*	*-7.8*	*8,150.7*	*8,142.9*
..... *Landfill Gas*	*Utility Scale Facilities*	*1,816.6*	*0.0*	*12.0*	*1,804.6*	*-12.0*	*-12.0*	*-47.6*	*0.0*	*1.6*	*1.4*	*29.8*	*-1.4*	*-28.2*	*1,803.2*	*1,776.4*
..... *Municipal Solid Waste*	*Utility Scale Facilities*	*2,119.8*	*0.0*	*0.0*	*2,119.8*	*0.0*	*0.0*	*8.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*2,119.8*	*2,119.8*
..... *Other Waste Biomass*	*Utility Scale Facilities*	*617.7*	*0.3*	*0.0*	*618.0*	*0.3*	*0.3*	*3.0*	*0.0*	*41.0*	*0.0*	*6.4*	*0.0*	*34.6*	*618.0*	*652.6*
..... Biomass Sources Subtotal	Utility Scale Facilities	12,726.6	0.3	33.8	12,693.1	-33.5	-33.5	-211.6	0.0	42.6	1.4	44.0	-1.4	-1.4	12,691.7	12,691.7
..... Geothermal	Utility Scale Facilities	2,596.7	0.0	0.0	2,596.7	0.0	0.0	24.8	0.0	42.0	0.0	0.0	0.0	42.0	2,596.7	2,638.7
... Renewable Sources Subtotal	***Utility Scale Facilities***	***288,765.3***	***2,481.7***	***50.3***	***291,196.7***	***2,431.4***	***2,431.4***	***27,751.8***	***2,810.0***	***30,266.0***	***1.4***	***69.0***	***2,808.6***	***30,197.0***	***294,005.3***	***321,393.7***
..... *Natural Gas Fired Combined Cycle*	*Utility Scale Facilities*	*279,930.8*	*345.1*	*210.9*	*280,065.0*	*134.2*	*134.2*	*2,780.1*	*0.0*	*8,243.5*	*0.0*	*271.0*	*0.0*	*7,972.5*	*280,065.0*	*288,037.5*
..... *Natural Gas Fired Combustion Turbine*	*Utility Scale Facilities*	*131,090.1*	*1,026.1*	*84.1*	*132,032.1*	*942.0*	*942.0*	*2,946.6*	*89.0*	*1,552.5*	*0.0*	*345.0*	*89.0*	*1,207.5*	*132,121.1*	*133,239.6*
..... *Natural Gas Steam Turbine*	*Utility Scale Facilities*	*74,547.8*	*168.5*	*37.6*	*74,678.7*	*130.9*	*130.9*	*-287.1*	*0.0*	*377.6*	*0.0*	*1,317.0*	*0.0*	*-939.4*	*74,678.7*	*73,739.3*
..... *Natural Gas Internal Combustion Engine*	*Utility Scale Facilities*	*5,320.0*	*0.3*	*21.2*	*5,299.1*	*-20.9*	*-20.9*	*95.4*	*11.9*	*94.7*	*0.0*	*3.9*	*11.9*	*90.8*	*5,311.0*	*5,389.9*
..... *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*	*294.7*	*2.0*	*3.5*	*293.2*	*-1.5*	*-1.5*	*15.5*	*0.0*	*19.8*	*0.0*	*0.0*	*0.0*	*19.8*	*293.2*	*313.0*
..... Natural Gas Subtotal	Utility Scale Facilities	491,293.4	1,542.0	357.3	492,478.1	1,184.7	1,184.7	5,550.5	100.9	10,288.1	0.0	1,936.9	100.9	8,351.2	492,579.0	500,829.3
..... *Conventional Steam Coal*	*Utility Scale Facilities*	*208,932.1*	*1.0*	*75.0*	*208,858.1*	*-74.0*	*-74.0*	*-4,439.5*	*0.0*	*18.0*	*0.0*	*11,760.5*	*0.0*	*-11,742.5*	*208,858.1*	*197,115.6*
..... *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	209,688.1	1.0	75.0	209,614.1	-74.0	-74.0	-4,439.5	0.0	18.0	0.0	11,760.5	0.0	-11,742.5	209,614.1	197,871.6
..... Petroleum Coke	Utility Scale Facilities	1,382.8	0.0	0.0	1,382.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,382.8	1,382.8
..... Petroleum Liquids	Utility Scale Facilities	25,661.5	161.0	86.2	25,736.3	74.8	74.8	-452.6	0.0	25.4	0.0	305.0	0.0	-279.6	25,736.3	25,456.7
..... Other Gases	Utility Scale Facilities	2,250.2	0.0	8.9	2,241.3	-8.9	-8.9	-33.9	0.0	0.0	0.0	5.3	0.0	-5.3	2,241.3	2,236.0
... Fossil Fuels Subtotal	***Utility Scale Facilities***	***730,276.0***	***1,704.0***	***527.4***	***731,452.6***	***1,176.6***	***1,176.6***	***624.5***	***100.9***	***10,331.5***	***0.0***	***14,007.7***	***100.9***	***-3,676.2***	***731,553.5***	***727,776.4***
..... Hydroelectric Pumped Storage	Utility Scale Facilities	23,022.2	0.0	0.0	23,022.2	0.0	0.0	3.0	0.0	221.6	0.0	0.0	0.0	221.6	23,022.2	23,243.8
..... 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	4,648.6	134.5	6.0	4,777.1	128.5	128.5	3,130.4	749.8	5,763.3	0.0	0.0	749.8	5,763.3	5,526.9	10,540.4
... Energy Storage Subtotal	***Utility Scale Facilities***	***27,717.8***	***134.5***	***6.0***	***27,846.3***	***128.5***	***128.5***	***3,133.4***	***749.8***	***5,984.9***	***0.0***	***0.0***	***749.8***	***5,984.9***	***28,596.1***	***33,831.2***
... Nuclear	***Utility Scale Facilities***	***95,491.6***	***24.5***	***27.3***	***95,488.8***	***-2.8***	***-2.8***	***-1,042.2***	***0.0***	***1,135.0***	***0.0***	***768.5***	***0.0***	***366.5***	***95,488.8***	***95,855.3***
... All Other	***Utility Scale Facilities***	***1,505.8***	***0.0***	***0.0***	***1,505.8***	***0.0***	***0.0***	***0.0***	***0.0***	***0.0***	***0.0***	***0.0***	***0.0***	***0.0***	***1,505.8***	***1,505.8***
TOTAL	**UTILITY SCALE FACILITIES**	**1,143,756.5**	**4,344.7**	**611.0**	**1,147,490.2**	**3,733.7**	**3,733.7**	**30,467.5**	**3,660.7**	**47,717.4**	**1.4**	**14,845.2**	**3,659.3**	**32,872.2**	**1,151,149.5**	**1,180,362.4**
..... *Estimated Small Scale Solar Photovoltaic*	*Small Scale Facilities*	*32,972.3*			*33,248.5*	*276.2*	*276.2*	*5,103.7*								
..... Estimated Total Solar Photovoltaic	All Facilities	92,506.8			93,917.4	1,410.6	1,410.6	19,001.9								
... Estimated Total Solar	***All Facilities***	***93,986.7***			***95,397.3***	***1,410.6***	***1,410.6***	***18,733.9***								

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

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

Table 6.1.A. Estimated Net Summer Solar Photovoltaic Capacity From Utility and Small Scale Facilities (Megawatts)
2008 - January 2022

Period	Utility Solar Photovoltaic	Estimated Small Scale Solar Photovoltaic	Estimated Total Solar Photovoltaic
Annual Totals			
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	46,306.2	27,584.8	73,891.0
2021	59,534.5	32,972.3	92,506.8
Year 2020			
January	37,076.8	23,742.2	60,819.0
February	37,500.2	24,026.4	61,526.6
March	37,735.2	24,351.2	62,086.4
April	38,408.7	24,658.3	63,067.0
May	38,782.9	24,919.9	63,702.8
June	39,865.9	25,248.0	65,113.9
July	40,454.3	25,581.6	66,035.9
August	41,058.4	25,962.0	67,020.4
Sept	41,672.4	26,251.9	67,924.3
October	42,042.0	26,654.5	68,696.5
November	42,910.0	27,027.8	69,937.8
December	46,306.2	27,584.8	73,891.0
Year 2021			
January	46,770.7	28,144.9	74,915.6
February	47,453.6	28,481.1	75,934.7
March	49,068.2	28,845.7	77,913.9
April	49,600.1	29,302.8	78,902.9
May	50,254.9	29,706.1	79,961.0
June	51,060.0	30,324.6	81,384.6
July	52,011.0	30,665.8	82,676.8
August	53,484.7	31,147.9	84,632.6
Sept	54,510.7	31,514.8	86,025.5
October	55,338.1	31,920.7	87,258.8
November	56,347.5	32,403.1	88,750.6
December	59,534.5	32,972.3	92,506.8
Year 2022			
January	60,668.9	33,248.5	93,917.4

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

Table 6.1.B. Estimated Net Summer Solar Photovoltaic Capacity From Small Scale Facilities by Sector (Megawatts):
2014 - January 2022

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	17,163.3	8,376.1	2,045.3	27,584.8
2021	21,022.1	9,727.7	2,222.6	32,972.3
Year 2020				
January	14,622.5	7,302.1	1,817.6	23,742.2
February	14,832.2	7,355.3	1,838.9	24,026.4
March	15,064.2	7,426.4	1,860.6	24,351.2
April	15,280.6	7,508.5	1,869.2	24,658.3
May	15,472.9	7,563.2	1,883.8	24,919.9
June	15,681.7	7,641.4	1,925.0	25,248.0
July	15,898.9	7,729.2	1,953.5	25,581.6
August	16,129.6	7,862.8	1,969.5	25,962.0
Sept	16,364.0	7,909.1	1,978.8	26,251.9
October	16,635.4	8,020.5	1,998.6	26,654.5
November	16,884.8	8,127.8	2,015.2	27,027.8
December	17,163.3	8,376.1	2,045.3	27,584.8
Year 2021				
January	17,506.8	8,588.0	2,050.0	28,144.9
February	17,776.8	8,636.5	2,067.8	28,481.1
March	18,023.2	8,733.9	2,088.6	28,845.7
April	18,368.1	8,834.9	2,099.8	29,302.8
May	18,659.1	8,928.8	2,118.2	29,706.1
June	19,101.9	9,085.6	2,137.1	30,324.6
July	19,396.4	9,137.1	2,132.2	30,665.8
August	19,731.4	9,265.1	2,151.5	31,147.9
Sept	20,038.6	9,300.2	2,176.0	31,514.8
October	20,356.5	9,380.8	2,183.4	31,920.7
November	20,663.1	9,532.4	2,207.6	32,403.1
December	21,022.1	9,727.7	2,222.6	32,972.3
Year 2022				
January	21,241.0	9,785.7	2,221.8	33,248.5

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 2022 and 2021 (Megawatts)

Census Division and State	Renewable Sources		Fossil Fuels		Hydroelectric Pumped Storage		Other Energy Storage		Nuclear		All Other Sources		All Sources	
	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
New England	6,831.8	6,441.9	22,975.2	24,025.7	1,830.4	1,830.4	222.7	127.9	3,345.4	3,320.9	22.0	22.0	35,227.5	35,768.8
Connecticut	563.0	486.3	7,427.6	7,819.7	29.4	29.4	1.6	1.6	2,097.3	2,073.1	0.0	0.0	10,118.9	10,410.1
Maine	2,496.2	2,353.5	2,458.5	2,452.0	0.0	0.0	46.3	41.4	0.0	0.0	22.0	22.0	5,023.0	4,868.9
Massachusetts	1,829.4	1,659.9	8,908.6	9,517.9	1,801.0	1,801.0	163.9	74.0	0.0	0.0	0.0	0.0	12,702.9	13,052.8
New Hampshire	944.1	959.3	2,270.4	2,270.4	0.0	0.0	0.0	0.0	1,248.1	1,247.8	0.0	0.0	4,462.6	4,477.5
Rhode Island	302.1	294.1	1,780.1	1,835.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2,082.2	2,129.2
Vermont	697.0	688.8	130.0	130.6	0.0	0.0	10.9	10.9	0.0	0.0	0.0	0.0	837.9	830.3
Middle Atlantic	12,270.8	11,834.9	75,326.1	74,401.6	3,349.1	3,349.1	182.4	158.6	15,752.9	16,792.3	11.2	11.2	106,892.5	106,547.7
New Jersey	1,208.4	1,169.0	12,313.0	12,328.6	420.0	420.0	42.1	42.1	3,456.7	3,456.7	11.2	11.2	17,451.4	17,427.6
New York	8,064.8	7,679.4	26,897.8	26,878.8	1,407.1	1,407.1	91.9	68.1	3,203.0	4,242.4	0.0	0.0	39,664.6	40,275.8
Pennsylvania	2,997.6	2,986.5	36,115.3	35,194.2	1,522.0	1,522.0	48.4	48.4	9,093.2	9,093.2	0.0	0.0	49,776.5	48,844.3
East North Central	20,080.3	16,446.7	106,635.1	106,952.4	2,238.0	2,235.0	203.8	204.7	19,000.0	19,027.3	166.0	166.0	148,323.2	145,032.1
Illinois	7,655.1	6,540.0	26,169.5	26,112.0	0.0	0.0	132.7	132.7	11,582.4	11,582.4	78.0	78.0	45,617.7	44,445.1
Indiana	4,201.2	3,367.6	22,531.6	23,839.5	0.0	0.0	38.0	38.0	0.0	0.0	88.0	88.0	26,858.8	27,333.1
Michigan	4,437.0	3,640.0	19,343.9	19,687.0	2,238.0	2,235.0	1.3	1.0	4,086.5	4,113.8	0.0	0.0	30,106.7	29,676.8
Ohio	1,816.5	1,204.2	25,292.1	23,668.6	0.0	0.0	31.8	33.0	2,134.0	2,134.0	0.0	0.0	29,274.4	27,039.8
Wisconsin	1,970.5	1,694.9	13,298.0	13,645.3	0.0	0.0	0.0	0.0	1,197.1	1,197.1	0.0	0.0	16,465.6	16,537.3
West North Central	42,297.7	38,923.7	58,939.2	58,802.7	657.0	657.0	25.8	21.9	4,899.0	4,899.0	12.2	12.2	106,830.9	103,316.5
Iowa	12,298.3	11,510.6	9,732.3	9,680.5	0.0	0.0	3.9	1.4	0.0	0.0	0.0	0.0	22,034.5	21,192.5
Kansas	8,288.2	7,063.6	8,888.2	8,893.6	0.0	0.0	0.0	0.0	1,225.0	1,225.0	0.8	0.8	18,402.2	17,183.0
Minnesota	6,343.8	6,083.7	10,297.4	10,380.7	0.0	0.0	16.0	16.0	1,657.0	1,657.0	6.1	6.1	18,320.3	18,143.5
Missouri	2,866.4	2,608.5	17,262.2	17,378.2	657.0	657.0	2.2	2.2	1,247.0	1,247.0	0.0	0.0	22,034.8	21,892.9
Nebraska	3,282.9	2,892.8	6,178.0	6,178.0	0.0	0.0	2.9	1.5	770.0	770.0	0.0	0.0	10,233.8	9,842.3
North Dakota	4,846.5	4,846.5	4,674.3	4,634.3	0.0	0.0	0.0	0.0	0.0	0.0	5.3	5.3	9,526.1	9,486.1
South Dakota	4,371.6	3,918.0	1,906.8	1,657.4	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.0	6,279.2	5,576.2
South Atlantic	30,559.8	26,623.6	157,897.9	157,298.4	8,020.4	8,020.4	639.3	99.5	24,764.6	24,764.6	468.9	468.9	222,350.9	217,275.4
Delaware	54.2	50.9	3,218.4	3,321.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,272.6	3,372.4
District of Columbia	28.3	21.3	20.6	20.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	48.9	41.9
Florida	6,637.7	5,042.4	53,809.3	52,447.6	0.0	0.0	509.0	29.0	3,666.0	3,666.0	312.9	312.9	64,934.9	61,497.9
Georgia	6,111.7	5,234.9	26,078.8	26,084.4	1,897.4	1,897.4	42.2	2.2	4,061.0	4,061.0	0.0	0.0	38,191.1	37,279.9
Maryland	1,319.4	1,280.6	10,126.1	10,123.2	0.0	0.0	5.0	5.0	1,725.8	1,725.8	6.0	6.0	13,182.3	13,140.6
North Carolina	8,349.0	8,006.5	21,318.2	21,737.2	86.0	86.0	31.6	9.8	5,149.6	5,149.6	54.0	54.0	34,988.4	35,043.1
South Carolina	3,005.9	2,968.6	11,762.5	11,763.8	2,796.0	2,796.0	4.0	4.0	6,594.2	6,594.2	0.0	0.0	24,162.6	24,126.6
Virginia	3,968.6	2,931.9	17,790.0	18,026.1	3,241.0	3,241.0	0.0	0.0	3,568.0	3,568.0	96.0	96.0	28,663.6	27,863.0
West Virginia	1,085.0	1,086.5	13,774.0	13,774.0	0.0	0.0	47.5	49.5	0.0	0.0	0.0	0.0	14,906.5	14,910.0
East South Central	9,117.7	8,876.6	60,383.1	60,372.0	1,616.3	1,616.3	1.0	1.0	11,468.2	11,468.2	1.4	1.4	82,587.7	82,335.5
Alabama	4,331.5	4,104.5	19,110.9	19,085.9	0.0	0.0	1.0	1.0	5,544.5	5,544.5	0.0	0.0	28,987.9	28,735.9
Kentucky	1,239.3	1,235.5	16,337.5	16,363.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	17,576.8	17,599.0
Mississippi	521.7	520.5	12,697.4	12,680.3	0.0	0.0	0.0	0.0	1,401.0	1,401.0	1.4	1.4	14,621.5	14,603.2
Tennessee	3,025.2	3,016.1	12,237.3	12,242.3	1,616.3	1,616.3	0.0	0.0	4,522.7	4,522.7	0.0	0.0	21,401.5	21,397.4
West South Central	59,181.6	49,015.4	140,511.3	140,283.1	288.0	288.0	817.5	250.6	8,930.7	8,930.7	548.7	548.7	210,277.8	199,316.5
Arkansas	1,824.5	1,714.5	11,261.0	11,261.0	30.0	30.0	22.0	12.0	1,817.8	1,817.8	0.0	0.0	14,955.3	14,835.3
Louisiana	688.6	688.6	21,707.9	22,437.6	0.0	0.0	0.5	0.5	2,132.9	2,132.9	329.7	329.7	24,859.6	25,589.3
Oklahoma	11,685.6	10,292.4	18,168.0	18,092.9	258.0	258.0	10.0	10.0	0.0	0.0	0.0	0.0	30,121.6	28,653.3
Texas	44,982.9	36,319.9	89,374.4	88,491.6	0.0	0.0	785.0	228.1	4,980.0	4,980.0	219.0	219.0	140,341.3	130,238.6
Mountain	36,360.1	32,270.4	58,830.8	58,804.4	797.1	797.1	225.0	53.0	3,937.0	3,937.0	123.7	123.7	100,273.7	95,985.6
Arizona	6,165.7	5,885.7	17,216.7	17,134.7	216.3	216.3	97.0	42.0	3,937.0	3,937.0	0.0	0.0	27,632.7	27,215.7
Colorado	6,793.5	6,113.0	10,920.0	10,920.0	580.8	580.8	10.2	9.2	0.0	0.0	9.1	9.1	18,313.6	17,632.1
Idaho	4,078.4	4,076.1	1,121.8	1,121.8	0.0	0.0	0.0	0.0	0.0	0.0	14.8	14.8	5,215.0	5,212.7
Montana	3,714.5	3,700.9	2,072.0	2,125.1	0.0	0.0	0.0	0.0	0.0	0.0	40.0	40.0	5,826.5	5,866.0
Nevada	4,910.7	4,273.8	7,821.6	7,821.6	0.0	0.0	115.0	0.0	0.0	0.0	6.5	6.5	12,853.8	12,101.9
New Mexico	5,101.4	3,388.4	5,707.1	5,707.1	0.0	0.0	2.8	1.8	0.0	0.0	0.7	0.7	10,812.0	9,098.0
Utah	2,188.7	1,928.5	7,289.3	7,291.8	0.0	0.0	0.0	0.0	0.0	0.0	40.2	40.2	9,518.2	9,260.5
Wyoming	3,407.2	2,904.0	6,682.3	6,682.3	0.0	0.0	0.0	0.0	0.0	0.0	12.4	12.4	10,101.9	9,598.7
Pacific Contiguous	73,206.2	71,723.3	45,610.8	45,544.5	4,225.9	4,225.9	2,337.0	669.3	3,391.0	3,391.0	125.1	125.1	128,896.0	125,679.1
California	34,955.5	33,601.4	37,784.2	37,714.7	3,911.9	3,911.9	2,326.0	659.3	2,240.0	2,240.0	125.1	125.1	81,342.7	78,252.4
Oregon	13,140.3	12,994.4	3,755.0	3,758.2	0.0	0.0	5.0	5.0	0.0	0.0	0.0	0.0	16,900.3	16,757.6
Washington	25,110.4	25,127.5	4,071.6	4,071.6	314.0	314.0	6.0	5.0	1,151.0	1,151.0	0.0	0.0	30,653.0	30,669.1
Pacific Noncontiguous	1,290.7	1,288.4	4,343.1	4,343.3	0.0	0.0	169.6	107.2	0.0	0.0	26.6	26.6	5,830.0	5,765.5
Alaska	541.6	542.4	2,183.2	2,183.4	0.0	0.0	93.7	47.2	0.0	0.0	0.0	0.0	2,818.5	2,773.0
Hawaii	749.1	746.0	2,159.9	2,159.9	0.0	0.0	75.9	60.0	0.0	0.0	26.6	26.6	3,011.5	2,992.5
U.S. Total	291,196.7	263,444.9	731,452.6	730,828.1	23,022.2	23,019.2	4,824.1	1,693.7	95,488.8	96,531.0	1,505.8	1,505.8	1,147,490.2	1,117,022.7

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 2022 and 2021 (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 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
New England	1,551.1	1,535.8	1,929.4	1,539.6	0.0	0.0	1,950.9	1,950.9	1,400.4	1,415.6	0.0	0.0	6,831.8	6,441.9	3,303.6	3,006.6	5,233.0	4,546.2	5,233.0	4,546.2
Connecticut	1.0	1.0	242.7	166.0	0.0	0.0	119.4	119.4	199.9	199.9	0.0	0.0	563.0	486.3	718.0	612.8	960.7	778.8	960.7	778.8
Maine	1,009.5	994.2	192.3	64.9	0.0	0.0	725.8	725.8	568.6	568.6	0.0	0.0	2,496.2	2,353.5	130.8	73.8	323.1	138.7	323.1	138.7
Massachusetts	105.7	105.7	1,171.8	1,002.3	0.0	0.0	267.7	267.7	284.2	284.2	0.0	0.0	1,829.4	1,659.9	1,891.2	1,832.0	3,063.0	2,834.3	3,063.0	2,834.3
New Hampshire	211.9	211.9	2.4	2.4	0.0	0.0	504.0	504.0	225.8	241.0	0.0	0.0	944.1	959.3	152.1	122.5	154.5	124.9	154.5	124.9
Rhode Island	72.8	72.8	186.5	178.5	0.0	0.0	2.7	2.7	40.1	40.1	0.0	0.0	302.1	294.1	274.8	231.1	461.3	409.6	461.3	409.6
Vermont	150.2	150.2	133.7	125.5	0.0	0.0	331.3	331.3	81.8	81.8	0.0	0.0	697.0	688.8	136.7	134.5	270.4	260.0	270.4	260.0
Middle Atlantic	3,657.4	3,453.7	2,006.3	1,776.6	0.0	0.0	5,501.2	5,500.2	1,105.9	1,104.4	0.0	0.0	12,270.8	11,834.9	4,812.1	4,206.8	6,818.4	5,983.4	6,818.4	5,983.4
New Jersey	7.6	7.6	994.7	952.0	0.0	0.0	12.3	12.3	193.8	197.1	0.0	0.0	1,208.4	1,169.0	2,035.4	1,883.4	3,030.1	2,835.4	3,030.1	2,835.4
New York	2,189.8	1,986.1	856.4	675.7	0.0	0.0	4,559.3	4,558.3	459.3	459.3	0.0	0.0	8,064.8	7,679.4	2,227.0	1,856.9	3,083.4	2,532.6	3,083.4	2,532.6
Pennsylvania	1,460.0	1,460.0	155.2	148.9	0.0	0.0	929.6	929.6	452.8	448.0	0.0	0.0	2,997.6	2,986.5	549.7	466.5	704.9	615.4	704.9	615.4
East North Central	15,428.7	13,462.5	2,651.0	965.1	0.0	0.0	878.5	877.5	1,122.1	1,141.6	0.0	0.0	20,080.3	16,446.7	1,461.4	1,089.1	4,112.4	2,054.2	4,112.4	2,054.2
Illinois	6,913.3	6,300.6	635.7	132.1	0.0	0.0	32.9	34.1	73.2	73.2	0.0	0.0	7,655.1	6,540.0	772.5	513.2	1,408.2	645.3	1,408.2	645.3
Indiana	3,453.1	2,950.7	606.9	278.2	0.0	0.0	69.1	66.2	72.1	72.5	0.0	0.0	4,201.2	3,367.6	166.4	130.6	773.3	408.8	773.3	408.8
Michigan	3,240.6	2,634.3	431.7	233.0	0.0	0.0	264.7	264.7	500.0	508.0	0.0	0.0	4,437.0	3,640.0	165.7	128.9	597.4	361.9	597.4	361.9
Ohio	1,097.3	852.5	479.0	111.5	0.0	0.0	101.9	101.9	138.3	138.3	0.0	0.0	1,816.5	1,204.2	221.3	199.9	700.3	311.4	700.3	311.4
Wisconsin	724.4	724.4	497.7	210.3	0.0	0.0	409.9	410.6	338.5	349.6	0.0	0.0	1,970.5	1,694.9	135.5	116.5	633.2	326.8	633.2	326.8
West North Central	37,149.7	34,041.5	1,386.2	1,175.4	0.0	0.0	3,363.1	3,308.1	398.7	398.7	0.0	0.0	42,297.7	38,923.7	655.6	541.5	2,041.8	1,716.9	2,041.8	1,716.9
Iowa	11,920.3	11,321.6	152.0	18.0	0.0	0.0	205.4	150.4	20.6	20.6	0.0	0.0	12,298.3	11,510.6	175.6	149.6	327.6	167.6	327.6	167.6
Kansas	8,242.0	7,017.4	30.2	30.2	0.0	0.0	7.0	7.0	9.0	9.0	0.0	0.0	8,288.2	7,063.6	38.4	32.2	68.6	62.4	68.6	62.4
Minnesota	4,710.1	4,510.1	1,094.9	1,034.8	0.0	0.0	214.5	214.5	324.3	324.3	0.0	0.0	6,343.8	6,083.7	137.3	107.8	1,232.2	1,142.6	1,232.2	1,142.6
Missouri	2,227.8	1,982.2	76.0	63.7	0.0	0.0	548.5	548.5	14.1	14.1	0.0	0.0	2,866.4	2,608.5	287.4	237.0	363.4	300.7	363.4	300.7
Nebraska	2,955.6	2,569.9	32.1	27.7	0.0	0.0	279.7	279.7	15.5	15.5	0.0	0.0	3,282.9	2,892.8	14.8	13.1	46.9	40.8	46.9	40.8
North Dakota	4,326.7	4,326.7	0.0	0.0	0.0	0.0	510.0	510.0	9.8	9.8	0.0	0.0	4,846.5	4,846.5	1.0	0.7	1.0	0.7	1.0	0.7
South Dakota	2,767.2	2,313.6	1.0	1.0	0.0	0.0	1,598.0	1,598.0	5.4	5.4	0.0	0.0	4,371.6	3,918.0	1.0	1.1	2.0	2.1	2.0	2.1
South Atlantic	1,153.0	1,154.5	18,077.8	13,983.2	0.0	0.0	7,147.2	7,147.2	4,181.8	4,338.7	0.0	0.0	30,559.8	26,623.6	3,331.7	2,696.0	21,409.5	16,679.2	21,409.5	16,679.2
Delaware	2.0	2.0	38.0	36.7	0.0	0.0	0.0	0.0	14.2	12.2	0.0	0.0	54.2	50.9	97.7	90.4	135.7	127.1	135.7	127.1
District of Columbia	0.0	0.0	16.3	9.3	0.0	0.0	0.0	0.0	12.0	12.0	0.0	0.0	28.3	21.3	102.1	84.5	118.4	93.8	118.4	93.8
Florida	0.0	0.0	5,445.1	3,848.3	0.0	0.0	43.5	43.5	1,149.1	1,150.6	0.0	0.0	6,637.7	5,042.4	1,156.9	803.6	6,602.0	4,651.9	6,602.0	4,651.9
Georgia	0.0	0.0	3,073.5	2,196.7	0.0	0.0	1,985.0	1,985.0	1,053.2	1,053.2	0.0	0.0	6,111.7	5,234.9	231.7	NM	3,305.2	NM	3,305.2	NM
Maryland	190.0	190.0	400.8	359.7	0.0	0.0	590.0	590.0	138.6	140.9	0.0	0.0	1,319.4	1,280.6	898.2	830.1	1,299.0	1,189.8	1,299.0	1,189.8
North Carolina	208.0	208.0	5,677.7	5,181.5	0.0	0.0	2,009.0	2,009.0	454.3	608.0	0.0	0.0	8,349.0	8,006.5	310.8	241.1	5,988.5	5,422.6	5,988.5	5,422.6
South Carolina	0.0	0.0	1,139.3	1,102.0	0.0	0.0	1,312.9	1,312.9	553.7	553.7	0.0	0.0	3,005.9	2,968.6	303.1	267.5	1,442.4	1,369.5	1,442.4	1,369.5
Virginia	12.0	12.0	2,287.1	1,249.0	0.0	0.0	866.0	866.0	803.5	804.9	0.0	0.0	3,968.6	2,931.9	212.9	166.3	2,500.0	1,415.3	2,500.0	1,415.3
West Virginia	741.0	742.5	0.0	0.0	0.0	0.0	340.8	340.8	3.2	3.2	0.0	0.0	1,085.0	1,086.5	18.3	11.4	18.3	11.4	18.3	11.4
East South Central	29.1	29.1	859.1	620.5	0.0	0.0	7,037.8	7,035.3	1,191.7	1,191.7	0.0	0.0	9,117.7	8,876.6	129.1	109.8	988.2	730.3	988.2	730.3
Alabama	0.0	0.0	421.1	194.1	0.0	0.0	3,291.8	3,291.8	618.6	618.6	0.0	0.0	4,331.5	4,104.5	NM	NM	NM	NM	NM	NM
Kentucky	0.0	0.0	27.4	26.1	0.0	0.0	1,137.4	1,134.9	74.5	74.5	0.0	0.0	1,239.3	1,235.5	52.9	36.2	80.3	62.3	80.3	62.3
Mississippi	0.0	0.0	219.3	218.1	0.0	0.0	0.0	0.0	302.4	302.4	0.0	0.0	521.7	520.5	10.7	9.2	230.0	227.3	230.0	227.3
Tennessee	29.1	29.1	191.3	182.2	0.0	0.0	2,608.6	2,608.6	196.2	196.2	0.0	0.0	3,025.2	3,016.1	53.8	55.1	245.1	237.3	245.1	237.3
West South Central	45,779.2	39,664.8	9,281.0	5,216.4	0.0	0.0	3,013.7	3,013.7	1,107.7	1,120.5	0.0	0.0	59,181.6	49,015.4	1,840.3	1,361.5	11,121.3	6,577.9	11,121.3	6,577.9
Arkansas	0.0	0.0	323.7	213.7	0.0	0.0	1,265.8	1,265.8	235.0	235.0	0.0	0.0	1,824.5	1,714.5	110.8	60.5	434.5	274.2	434.5	274.2
Louisiana	0.0	0.0	74.5	74.5	0.0	0.0	192.0	192.0	422.1	422.1	0.0	0.0	688.6	688.6	164.8	156.9	239.3	231.4	239.3	231.4
Oklahoma	10,714.1	9,319.5	45.5	45.5	0.0	0.0	849.8	849.8	76.2	77.6	0.0	0.0	11,685.6	10,292.4	35.8	22.6	81.3	68.1	81.3	68.1
Texas	35,065.1	30,345.3	8,837.3	4,882.7	0.0	0.0	706.1	706.1	374.4	385.8	0.0	0.0	44,982.9	36,319.9	1,528.9	1,121.6	10,366.2	6,004.3	10,366.2	6,004.3
Mountain	15,294.1	12,773.9	9,029.3	7,500.6	474.1	474.1	10,702.8	10,686.8	175.5	175.5	684.3	659.5	36,360.1	32,270.4	4,145.2	3,319.0	13,174.5	10,819.6	13,648.6	11,293.7
Arizona	617.3	617.3	2,504.0	2,224.0	295.6	295.6	2,720.9	2,720.9	27.9	27.9	0.0	0.0	6,165.7	5,885.7	1,980.8	1,681.7	4,484.8	3,905.7	4,780.4	4,201.3
Colorado	5,019.8	4,710.8	1,054.0	682.5	0.0	0.0	691.0	691.0	28.7	28.7	0.0	0.0	6,793.5	6,113.0	730.8	465.8	1,784.8	1,148.3	1,784.8	1,148.3
Idaho	970.4	970.4	242.0	242.0	0.0	0.0	2,769.7	2,767.4	86.3	86.3	10.0	10.0	4,078.4	4,076.1	92.9	62.5	334.9	304.5	334.9	304.5
Montana	872.9	872.9	17.0	17.0	0.0	0.0	2,820.0	2,806.4	4.6	4.6	0.0	0.0	3,714.5	3,700.9	29.1	25.7	46.1	42.7	46.1	42.7
Nevada	150.0	150.0	2,925.7	2,313.6	178.5	178.5	1,051.7	1,051.7	9.8	9.8	595.0	570.2	4,910.7	4,273.8	648.9	528.1	3,574.6	2,841.7	3,753.1	3,020.2
New Mexico	4,265.9	2,557.9	738.8	733.8	0.0	0.0	82.7	82.7	5.4	5.4	8.6	8.6	5,101.4	3,388.4	266.1	213.4	1,004.9	947.2	1,004.9	947.2
Utah	389.7	389.7	1,455.8	1,195.7	0.0	0.0	259.7	259.6	12.8	12.8	70.7	70.7	2,188.7	1,928.5	385.4	332.4	1,841.2	1,528.1	1,841.2	1,528.1
Wyoming	3,008.1	2,504.9	92.0	92.0	0.0	0.0	307.1	307.1	0.0	0.0	0.0	0.0	3,407.2	2,904.0	11.2	9.4	103.2	101.4	103.2	101.4
Pacific Contiguous	13,392.7	13,083.1	15,162.2	13,709.8	1,005.8	1,273.8	39,927.7	39,930.1	1,848.4	1,857.1	1,869.4	1,869.4	73,206.2	71,723.3	12,804.9	11,071.7	27,967.1	24,781.5	28,972.9	26,055.3
California	6,252.0	5,948.7	14,411.9	13,099.1	1,005.8	1,273.8	10,266.1	10,268.5	1,169.8	1,161.4	1,849.9	1,849.9	34,955.5	33,601.4	12,303.3	10,660.2	26,715.2	23,759.3	27,721.0	25,033.1
Oregon	3,765.8	3,759.5	726.7	587.1	0.0	0.0	8,317.0	8,317.0	311.3	311.3	19.5	19.5	13,140.3	12,994.4	242.8	198.7	969.5	785.8	969.5	785.8
Washington	3,374.9	3,374.9	23.6	23.6	0.0	0.0	21,344.6	21,344.6	367.3	384.4	0.0	0.0	25,110.4	25,127.5	258.8	212.9	282.4	236.5	282.4	236.5
Pacific Noncontiguous	292.2	293.0	286.6	283.5	0.0	0.0	508.0	508.0	160.9	160.9	43.0	43.0	1,290.7	1,288.4	764.7	742.8	1,051.3	1,026.3	1,051.3	1,026.3
Alaska	59.0	59.8	0.0	0.0	0.0	0.0	475.6	475.6	7.0	7.0	0.0	0.0	541.6	542.4	12.1	9.5	12.1	9.5	12.1	9.5
Hawaii	233.2	233.2	286.6	283.5	0.0	0.0	32.4	32.4	153.9	153.9	43.0	43.0	749.1	746.0	752.5	733.3	1,039.1	1,016.8	1,039.1	1,016.8
U.S. Total	133,727.2	119,491.9	60,668.9	46,770.7	1,479.9	1,747.9	80,030.9	79,957.8	12,693.1	12,904.7	2,596.7	2,571.9	291,196.7	263,444.9	33,248.5	28,144.9	93,917.4	74,915.6	95,397.3	76,663.5

NM = Not meaningful due to large relative standard error.
Values are preliminary.

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

Table 6.2.C. Net Summer Capacity of Utility Scale Units Using Primarily Fossil Fuels and by State, January 2022 and 2021 (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 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021	January 2022	January 2021
New England	14,357.5	14,399.7	1,764.7	1,743.8	1,480.8	1,571.2	533.9	917.3	0.0	0.0	4,838.3	5,393.7	0.0	0.0	22,975.2	24,025.7
Connecticut	3,932.6	3,942.1	578.9	571.7	960.2	960.2	0.0	383.4	0.0	0.0	1,955.9	1,962.3	0.0	0.0	7,427.6	7,819.7
Maine	1,289.3	1,282.8	312.0	312.0	12.5	12.5	0.0	0.0	0.0	0.0	844.7	844.7	0.0	0.0	2,458.5	2,452.0
Massachusetts	6,161.9	6,146.1	857.6	843.9	82.5	172.9	0.0	0.0	0.0	0.0	1,806.6	2,355.0	0.0	0.0	8,908.6	9,517.9
New Hampshire	1,238.5	1,238.5	3.8	3.8	400.2	400.2	533.9	533.9	0.0	0.0	94.0	94.0	0.0	0.0	2,270.4	2,270.4
Rhode Island	1,735.2	1,790.2	12.4	12.4	25.4	25.4	0.0	0.0	0.0	0.0	7.1	7.1	0.0	0.0	1,780.1	1,835.1
Vermont	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	130.0	130.6	0.0	0.0	130.0	130.6
Middle Atlantic	37,332.1	36,574.6	7,863.2	7,827.2	15,104.8	15,023.5	9,501.0	9,576.0	11.6	11.6	5,398.5	5,273.8	114.9	114.9	75,326.1	74,401.6
New Jersey	8,592.1	8,649.5	2,827.6	2,805.7	75.7	73.7	463.0	463.0	11.6	11.6	314.0	296.1	29.0	29.0	12,313.0	12,328.6
New York	9,910.7	9,929.8	3,093.6	3,090.5	9,901.2	9,871.5	445.0	520.0	0.0	0.0	3,547.3	3,467.0	0.0	0.0	26,897.8	26,878.8
Pennsylvania	18,829.3	17,995.3	1,942.0	1,931.0	5,127.9	5,078.3	8,593.0	8,593.0	0.0	0.0	1,537.2	1,510.7	85.9	85.9	36,115.3	35,194.2
East North Central	24,210.4	22,488.0	26,628.3	26,468.8	5,341.9	5,491.9	46,824.6	48,860.7	247.6	247.6	2,297.4	2,310.5	1,084.9	1,084.9	106,635.1	106,952.4
Illinois	3,577.7	3,577.7	10,618.0	10,555.7	1,620.4	1,625.2	9,652.0	9,652.0	0.0	0.0	664.9	664.9	36.5	36.5	26,169.5	26,112.0
Indiana	3,875.0	3,875.0	3,338.3	3,240.7	752.9	752.9	13,847.8	15,253.3	0.0	0.0	98.3	98.3	619.3	619.3	22,531.6	23,839.5
Michigan	4,453.6	4,453.6	3,846.9	3,846.9	2,266.6	2,262.8	8,031.7	8,367.7	47.2	47.2	447.9	458.8	250.0	250.0	19,343.9	19,687.0
Ohio	8,765.2	7,042.8	5,581.1	5,581.1	105.0	216.0	10,011.5	10,000.5	142.0	142.0	508.2	507.1	179.1	179.1	25,292.1	23,668.6
Wisconsin	3,538.9	3,538.9	3,244.0	3,244.4	597.0	635.0	5,281.6	5,587.2	58.4	58.4	578.1	581.4	0.0	0.0	13,298.0	13,645.3
West North Central	7,110.8	7,030.9	11,779.3	11,491.5	3,689.7	3,669.1	32,468.9	32,712.8	32.0	32.0	3,850.1	3,858.0	8.4	8.4	58,939.2	58,802.7
Iowa	1,826.2	1,826.2	1,224.1	1,224.1	582.5	527.3	5,267.4	5,261.3	32.0	32.0	800.1	809.6	0.0	0.0	9,732.3	9,680.5
Kansas	266.0	266.0	2,178.3	2,176.0	1,363.8	1,370.8	4,524.6	4,524.6	0.0	0.0	555.5	556.2	0.0	0.0	8,888.2	8,893.6
Minnesota	2,532.9	2,483.0	2,558.5	2,558.5	412.0	414.3	4,009.1	4,147.1	0.0	0.0	784.9	777.8	0.0	0.0	10,297.4	10,380.7
Missouri	1,852.2	1,822.2	3,352.0	3,352.0	600.2	629.4	10,378.0	10,490.0	0.0	0.0	1,079.8	1,084.6	0.0	0.0	17,262.2	17,378.2
Nebraska	338.5	338.5	1,105.9	1,105.9	515.1	515.1	3,867.0	3,867.0	0.0	0.0	351.5	351.5	0.0	0.0	6,178.0	6,178.0
North Dakota	0.0	0.0	454.0	414.0	199.9	199.9	3,948.8	3,948.8	0.0	0.0	63.2	63.2	8.4	8.4	4,674.3	4,634.3
South Dakota	295.0	295.0	906.5	661.0	16.2	12.3	474.0	474.0	0.0	0.0	215.1	215.1	0.0	0.0	1,906.8	1,657.4
South Atlantic	61,687.5	61,647.5	33,259.6	31,596.4	10,491.2	10,591.9	46,586.7	47,585.4	142.8	142.8	5,595.1	5,599.4	135.0	135.0	157,897.9	157,298.4
Delaware	1,504.0	1,504.0	316.4	316.4	738.9	842.0	410.0	410.0	0.0	0.0	114.1	114.1	135.0	135.0	3,218.4	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	31,848.7	31,808.2	9,552.5	7,889.3	5,045.5	5,045.5	5,676.0	6,018.0	59.0	59.0	1,627.6	1,627.6	0.0	0.0	53,809.3	52,447.6
Georgia	7,992.7	7,998.3	7,790.2	7,790.2	850.1	850.1	8,416.0	8,416.0	83.8	83.8	946.0	946.0	0.0	0.0	26,078.8	26,084.4
Maryland	2,726.0	2,720.9	1,851.7	1,851.7	1,418.1	1,418.1	2,963.0	2,963.0	0.0	0.0	1,167.3	1,169.5	0.0	0.0	10,126.1	10,123.2
North Carolina	5,554.0	5,554.0	6,002.5	6,002.5	1.0	1.0	9,258.7	9,677.7	0.0	0.0	502.0	502.0	0.0	0.0	21,318.2	21,737.2
South Carolina	3,185.0	3,185.0	2,390.9	2,390.9	950.0	950.0	4,769.0	4,769.0	0.0	0.0	467.6	468.9	0.0	0.0	11,762.5	11,763.8
Virginia	8,877.1	8,877.1	4,245.3	4,245.3	1,372.1	1,369.7	2,536.0	2,773.7	0.0	0.0	759.5	760.3	0.0	0.0	17,790.0	18,026.1
West Virginia	0.0	0.0	1,089.5	1,089.5	115.5	115.5	12,558.0	12,558.0	0.0	0.0	11.0	11.0	0.0	0.0	13,774.0	13,774.0
East South Central	21,870.8	21,828.8	12,673.5	12,699.4	4,297.0	4,297.0	21,415.3	21,420.3	0.0	0.0	106.7	106.7	19.8	19.8	60,383.1	60,372.0
Alabama	9,780.3	9,755.3	2,572.8	2,572.8	1,967.4	1,967.4	4,728.0	4,728.0	0.0	0.0	42.6	42.6	19.8	19.8	19,110.9	19,085.9
Kentucky	1,763.0	1,763.0	4,899.6	4,925.6	260.0	260.0	9,403.0	9,403.0	0.0	0.0	11.9	11.9	0.0	0.0	16,337.5	16,363.5
Mississippi	7,872.4	7,855.4	1,368.6	1,368.5	2,003.4	2,003.4	1,444.0	1,444.0	0.0	0.0	9.0	9.0	0.0	0.0	12,697.4	12,680.3
Tennessee	2,455.1	2,455.1	3,832.5	3,832.5	66.2	66.2	5,840.3	5,845.3	0.0	0.0	43.2	43.2	0.0	0.0	12,237.3	12,242.3
West South Central	63,844.4	63,768.3	15,984.2	15,226.6	30,318.9	30,246.2	28,645.9	29,290.2	876.8	876.8	178.2	178.2	662.9	696.8	140,511.3	140,283.1
Arkansas	4,597.1	4,597.1	702.8	702.8	824.0	824.0	5,128.1	5,128.1	0.0	0.0	9.0	9.0	0.0	0.0	11,261.0	11,261.0
Louisiana	9,638.3	9,638.3	2,727.1	2,726.5	5,943.7	6,003.7	2,129.2	2,774.5	813.0	813.0	42.7	42.7	413.9	438.9	21,707.9	22,437.6
Oklahoma	7,327.9	7,334.8	1,631.6	1,631.6	5,881.7	5,800.7	3,247.0	3,246.0	0.0	0.0	79.8	79.8	0.0	0.0	18,168.0	18,092.9
Texas	42,281.1	42,198.1	10,922.7	10,165.7	17,669.5	17,617.8	18,141.6	18,141.6	63.8	63.8	46.7	46.7	249.0	257.9	89,374.4	88,491.6
Mountain	22,653.9	22,568.9	9,227.6	9,227.6	3,998.6	4,001.1	22,561.9	22,615.0	52.0	52.0	329.0	332.0	7.8	7.8	58,830.8	58,804.4
Arizona	10,003.6	9,918.6	2,899.0	2,899.0	1,283.6	1,283.6	2,943.0	2,943.0	0.0	0.0	87.5	90.5	0.0	0.0	17,216.7	17,134.7
Colorado	3,249.5	3,249.5	2,538.0	2,538.0	773.0	773.0	4,206.0	4,206.0	0.0	0.0	150.5	150.5	3.0	3.0	10,920.0	10,920.0
Idaho	547.7	547.7	552.0	552.0	11.7	11.7	5.0	5.0	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	1,630.5	1,683.6	52.0	52.0	0.0	0.0	1.5	1.5	2,072.0	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	1,484.1	1,484.1	950.3	950.3	839.7	839.7	2,387.0	2,387.0	0.0	0.0	46.0	46.0	0.0	0.0	5,707.1	5,707.1
Utah	1,830.0	1,830.0	534.6	534.6	315.9	318.4	4,581.0	4,581.0	0.0	0.0	27.8	27.8	0.0	0.0	7,289.3	7,291.8
Wyoming	94.0	94.0	252.3	252.3	257.9	257.9	6,069.0	6,069.0	0.0	0.0	5.8	5.8	3.3	3.3	6,682.3	6,682.3
Pacific Contiguous	26,520.4	26,501.0	12,233.2	12,185.7	5,480.7	5,487.9	727.0	727.0	20.0	20.0	421.9	415.3	207.6	207.6	45,610.8	45,544.5
California	20,489.6	20,470.2	11,390.0	11,332.7	5,219.9	5,227.1	57.0	57.0	20.0	20.0	400.1	400.1	207.6	207.6	37,784.2	37,714.7
Oregon	3,395.2	3,395.2	124.0	133.8	229.2	229.2	0.0	0.0	0.0	0.0	6.6	0.0	0.0	0.0	3,755.0	3,758.2
Washington	2,635.6	2,635.6	719.2	719.2	31.6	31.6	670.0	670.0	0.0	0.0	15.2	15.2	0.0	0.0	4,071.6	4,071.6
Pacific Noncontiguous	477.2	477.2	618.5	618.5	177.4	177.4	348.9	348.9	0.0	0.0	2,721.1	2,721.3	0.0	0.0	4,343.1	4,343.3
Alaska	477.2	477.2	618.5	618.5	177.4	177.4	168.9	168.9	0.0	0.0	741.2	741.4	0.0	0.0	2,183.2	2,183.4
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	280,065.0	277,284.9	132,032.1	129,085.5	80,381.0	80,557.2	209,614.1	214,053.6	1,382.8	1,382.8	25,736.3	26,188.9	2,241.3	2,275.2	731,452.6	730,828.1

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, 2022

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	1	64446	ASD Cotuit MA Solar LLC	IPP	ASD Wallum MA Solar LLC(CSG)	MA	65015	WAL1	5.0	Solar Photovoltaic	SUN	PV
2022	1	64446	ASD Cotuit MA Solar LLC	IPP	ASD Wallum MA Solar LLC(CSG)	MA	65015	WAL1B	3.8	Batteries	MWH	BA
2022	1	59496	Allete Clean Energy	IPP	Caddo Wind	OK	64047	46002	303.6	Onshore Wind Turbine	WND	WT
2022	1	63813	Assembly Solar III, LLC	IPP	Assembly Solar III	MI	64196	AS3	79.0	Solar Photovoltaic	SUN	PV
2022	1	64390	Brighter Future Solar LLC	IPP	Brighter Future Solar	NC	64910	BFSNC	11.0	Solar Photovoltaic	SUN	PV
2022	1	5109	DTE Electric Company	Electric Utility	Fairbanks Wind Park	MI	62815	GNWF1	72.8	Onshore Wind Turbine	WND	WT
2022	1	56201	Engie North America	IPP	Priddy Wind Project	TX	64165	WTG1	302.4	Onshore Wind Turbine	WND	WT
2022	1	6452	Florida Power & Light Co	Electric Utility	Blue Springs	FL	64757	1	74.5	Solar Photovoltaic	SUN	PV
2022	1	6452	Florida Power & Light Co	Electric Utility	Elder Branch	FL	65041	1	74.5	Solar Photovoltaic	SUN	PV
2022	1	6452	Florida Power & Light Co	Electric Utility	Ghost Orchid Solar Energy Center	FL	65038	1	74.5	Solar Photovoltaic	SUN	PV
2022	1	6452	Florida Power & Light Co	Electric Utility	Grove	FL	65042	1	74.5	Solar Photovoltaic	SUN	PV
2022	1	6452	Florida Power & Light Co	Electric Utility	Immokalee	FL	65040	1	74.5	Solar Photovoltaic	SUN	PV
2022	1	6452	Florida Power & Light Co	Electric Utility	Sawgrass Solar Energy Center	FL	65037	1	74.5	Solar Photovoltaic	SUN	PV
2022	1	6452	Florida Power & Light Co	Electric Utility	Sundew	FL	65039	1	74.5	Solar Photovoltaic	SUN	PV
2022	1	64711	Fort Powhatan Solar	Electric Utility	Fort Powhatan Solar	VA	65322	FTPW	150.0	Solar Photovoltaic	SUN	PV
2022	1	7140	Georgia Power Co	Electric Utility	Fort Valley State University Solar	GA	63062	1	10.8	Solar Photovoltaic	SUN	PV
2022	1	19558	Homer Electric Assn Inc	Electric Utility	Soldotna	AK	57206	3	46.5	Batteries	MWH	BA
2022	1	49893	Invenergy Services LLC	IPP	Jayhawk Wind Energy Center	KS	65129	65010	197.4	Onshore Wind Turbine	WND	WT
2022	1	12341	MidAmerican Energy Co	Electric Utility	Arbor Hill Solar	IA	64755	AHS	24.0	Solar Photovoltaic	SUN	PV
2022	1	12341	MidAmerican Energy Co	Electric Utility	Franklin County Solar	IA	64986	FCS	7.0	Solar Photovoltaic	SUN	PV
2022	1	12341	MidAmerican Energy Co	Electric Utility	Johnson County Hills Solar	IA	64985	JCHS	3.0	Solar Photovoltaic	SUN	PV
2022	1	12341	MidAmerican Energy Co	IPP	Plymouth Wind	IA	64688	65003	202.7	Onshore Wind Turbine	WND	WT
2022	1	13683	North Carolina El Member Corp	Electric Utility	Hall Solar Energy Storage	NC	64508	BAT1	2.5	Batteries	MWH	BA
2022	1	13683	North Carolina El Member Corp	Electric Utility	Hall Solar Energy Storage	NC	64508	SOL1	2.0	Solar Photovoltaic	SUN	PV
2022	1	13683	North Carolina El Member Corp	Electric Utility	Lowe Solar Energy Storage	NC	64516	BAT1	2.5	Batteries	MWH	BA
2022	1	13683	North Carolina El Member Corp	Electric Utility	Lowe Solar Energy Storage	NC	64516	SOL1	2.0	Solar Photovoltaic	SUN	PV
2022	1	13683	North Carolina El Member Corp	Electric Utility	Ludie Brown Solar Energy Storage	NC	64514	BAT1	2.5	Batteries	MWH	BA
2022	1	13683	North Carolina El Member Corp	Electric Utility	Ludie Brown Solar Energy Storage	NC	64514	SOL1	2.0	Solar Photovoltaic	SUN	PV
2022	1	13683	North Carolina El Member Corp	Electric Utility	Spencer Meadow Solar Energy Storage	NC	64520	BAT1	2.5	Batteries	MWH	BA
2022	1	13683	North Carolina El Member Corp	Electric Utility	Spencer Meadow Solar Energy Storage	NC	64520	SOL1	2.0	Solar Photovoltaic	SUN	PV
2022	1	56215	RWE Renewables Americas LLC	IPP	Cranell Wind Farm LLC	TX	62416	WT1	220.0	Onshore Wind Turbine	WND	WT
2022	1	62109	Searcy Solar, LLC	IPP	Searcy Solar Hybrid	AR	62617	SEABT	10.0	Batteries	MWH	BA
2022	1	62109	Searcy Solar, LLC	IPP	Searcy Solar Hybrid	AR	62617	SEARC	100.0	Solar Photovoltaic	SUN	PV
2022	1	18454	Tampa Electric Co	Electric Utility	Big Bend II Solar	FL	64641	2	31.5	Solar Photovoltaic	SUN	PV
2022	1	64374	USS Quail Solar LLC	IPP	USS Quail Solar LLC	MN	64870	USSQL	1.0	Solar Photovoltaic	SUN	PV

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this table.
Entity ID and Plant ID are official, unique identification numbers assigned by EIA; Generator IDs are assigned by plant owners and/or operators.
Descriptions for the Energy Source Codes and the Prime Mover Codes listed in the table can be found in the Technical Notes.

Table 6.5. 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	2	64640	8500 Balboa PV, LLC	IPP	8500 Balboa PV, LLC	CA	65330	BALB1	2.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.4
2022	2	61012	AES Distributed Energy	IPP	Main Rd	NY	64717	MAINR	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2022	2	61012	AES Distributed Energy	IPP	Redman North Community Solar	NY	64718	RDMNN	1.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.5
2022	2	61012	AES Distributed Energy	IPP	Redman South (Community Solar)	NY	64722	RDMNS	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2022	2	61012	AES Distributed Energy	IPP	Townline (Community Solar)	NY	64724	TWNLN	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2022	2	59050	Algonquin Power Co	IPP	Maverick Creek Wind	TX	62853	MVRCK	491.6	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	491.6
2022	2	64172	Arevon Asset Management	IPP	Coso Battery Storage	CA	63943	61730	60.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	60.0
2022	2	63571	Azure Sky Solar Project, LLC	IPP	Azure Sky Solar	TX	63905	ASKYB	77.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	77.0
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	(V) Under construction, more than 50 percent complete	350.2
2022	2	63699	BD Solar 2 LLC	IPP	Winslow PV - BD Solar 2 LLC	ME	64069	WINPV	7.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	7.0
2022	2	63698	BD Solar Hancock LLC	IPP	BD Solar Hancock LLC	ME	64068	HANPV	7.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	7.0
2022	2	63700	BD Solar Hancock North LLC	IPP	BD Solar Ellsworth LLC	ME	64070	ELLPV	7.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	7.0
2022	2	63696	BD Solar Palmyra LLC	IPP	Palmyra PV - BD Solar Palmyra LLC	ME	64062	PALPV	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2022	2	64424	Big Beau Solar, LLC	IPP	BigBeau Solar, LLC	CA	64993	BB1PV	128.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	128.0
2022	2	1752	Biola University	Commercial	Biola University Hybrid	CA	54296	EG-1H	1.5	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	1.5
2022	2	1752	Biola University	Commercial	Biola University Hybrid	CA	54296	EG-2H	1.5	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	1.5
2022	2	64068	Black Rock Wind Force, LLC	IPP	Black Rock Wind	WV	64433	BRW	115.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	115.0
2022	2	64266	Blue Jay Solar I, LLC	IPP	Blue Jay Solar I, LLC	TX	64672	BLUEJ	210.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	210.0
2022	2	64266	Blue Jay Solar I, LLC	IPP	Blue Jay Solar I, LLC	TX	64672	BLUJS	210.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	210.0
2022	2	63883	Broad Reach Power	IPP	Lopeno	TX	64316	LOPE	9.9	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	9.9
2022	2	63883	Broad Reach Power	IPP	Pueblo BA	TX	64318	PBL1	9.9	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	9.9
2022	2	63883	Broad Reach Power	IPP	Pueblo BA	TX	64318	PBL2	9.9	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	9.9
2022	2	63883	Broad Reach Power	IPP	Zapata	TX	64322	ZPT1	9.9	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	9.9
2022	2	63883	Broad Reach Power	IPP	Zapata	TX	64322	ZPT2	9.9	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	9.9
2022	2	56769	Consolidated Edison Development Inc.	IPP	UMass PV Lot 22	MA	65154	U22ES	2.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	2.0
2022	2	56769	Consolidated Edison Development Inc.	IPP	UMass PV Lot 22	MA	65154	U22PV	2.1	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.1
2022	2	64394	Cuba 2.5ac, LLC	IPP	Cuba 2.5ac, LLC	NM	64903	SOLAR	2.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.5
2022	2	61684	Diablo Energy Storage, LLC	IPP	Diablo Energy Storage	CA	62175	DIBLO	200.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	200.0
2022	2	64428	Evergy, Inc.	IPP	West Plains Solar I	MO	64982	WPS1	8.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	8.0
2022	2	63081	Exus North America Management Partners LLC	IPP	Bearkat II Wind Energy LLC	TX	63342	BKII	162.1	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	162.1
2022	2	61194	Generate Capital	IPP	Route 19 #1 Community Solar Farm	NY	62500	1258	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2022	2	61194	Generate Capital	IPP	Route 19 #2 Community Solar Farm	NY	62502	1415	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2022	2	61944	Goldman Sachs Renewable Power Group	IPP	Slate Hybrid	CA	63727	SL3EC	67.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	67.5
2022	2	61944	Goldman Sachs Renewable Power Group	IPP	Slate Hybrid	CA	63727	SLB3C	33.8	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	33.8
2022	2	61944	Goldman Sachs Renewable Power Group	IPP	Slate Hybrid	CA	63727	SLBPW	10.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	10.0
2022	2	61944	Goldman Sachs Renewable Power Group	IPP	Slate Hybrid	CA	63727	SLBSV	46.5	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	46.5
2022	2	61944	Goldman Sachs Renewable Power Group	IPP	Slate Hybrid	CA	63727	SLPWR	26.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	26.0
2022	2	61944	Goldman Sachs Renewable Power Group	IPP	Slate Hybrid	CA	63727	SLSVC	93.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	93.0
2022	2	60025	Greenbacker Renewable Energy Corporation	IPP	Capital Hill Solar LLC	NY	64931	531	1.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.5
2022	2	60025	Greenbacker Renewable Energy Corporation	IPP	IGS KSBD	CA	65091	293	4.3	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	4.3
2022	2	63764	Haystack Wind Project, LLC	IPP	Haystack Wind Project, LLC	NE	64139	4444	298.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	298.0
2022	2	63497	Highest Power Solar, LLC	IPP	Highest Power Solar, LLC	NC	63812	PGR31	48.7	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	48.7
2022	2	63776	JSD Flatwood PV-1, LLC	IPP	Bryant Road Solar	SC	64155	2001	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2022	2	50123	Leeward Asset Management, LLC	IPP	Aragonne Mesa Wind Project	NM	64845	AREXP	145.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	145.0
2022	2	63496	Lick Creek Solar, LLC	IPP	Lick Creek Solar, LLC	NC	63811	PGR27	50.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	50.0
2022	2	64677	Lyons Road Solar Farm, LLC	IPP	Lyons Road	MI	65347	LYON1	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2022	2	61227	Nautilus Solar Solutions	IPP	Mtn Solar 6 LLC	CO	64352	SC	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2022	2	61227	Nautilus Solar Solutions	IPP	NSE Camber Solar PS11 LLC	CO	64353	SC	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2022	2	61227	Nautilus Solar Solutions	IPP	NSE Camber Solar PS13 LLC (CSG)	CO	64356	SC	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2022	2	61227	Nautilus Solar Solutions	IPP	NSE Camber Solar PS5 LLC (CSG)	CO	64358	SC	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2022	2	61227	Nautilus Solar Solutions	IPP	NSE Camber Solar PS6 LLC CSG	CO	64357	SC	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2022	2	61227	Nautilus Solar Solutions	IPP	Pivot Solar 1 LLC	CO	64649	SC	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2022	2	61227	Nautilus Solar Solutions	IPP	Pivot Solar 12 LLC	CO	64359	SC	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2022	2	61227	Nautilus Solar Solutions	IPP	Pivot Solar 14 LLC	CO	64650	SC	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2022	2	61227	Nautilus Solar Solutions	IPP	Pivot Solar 15 LLC	CO	64652	SC	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2022	2	61227	Nautilus Solar Solutions	IPP	Pivot Solar 2 LLC	CO	64651	SC	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2022	2	61227	Nautilus Solar Solutions	IPP	Pivot Solar 3 LLC	CO	64654	SC	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2022	2	61227	Nautilus Solar Solutions	IPP	Pivot Solar 4 LLC	CO	64648	SC	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2022	2	61227	Nautilus Solar Solutions	IPP	Pivot Solar 7 LLC	CO	64653	SC	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2022	2	61227	Nautilus Solar Solutions	IPP	Pivot Solar 8 LLC	CO	64655	SC	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2022	2	61227	Nautilus Solar Solutions	IPP	TPE King Solar Holdings1, LLC	RI	64603	KING1	12.7	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	12.7
2022	2	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
2022	2	64358	New Market Solar	IPP	New Market Solar	OH	64853	NMS2	35.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	35.0
2022	2	63082	ProEnergy Services	IPP	Braes Bayou Plant	TX	64383	CTG-2	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	60.5
2022	2	63082	ProEnergy Services	IPP	Braes Bayou Plant	TX	64383	CTG-6	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	60.5
2022	2	64095	RPCA Solar 3, LLC	IPP	Byron Highway Solar	CA	64471	BYHWY	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2022	2	64177	Ranchland Wind Project I, LLC	IPP	Ranchland Wind Project I	TX	64551	WT2	114.9	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	114.9
2022	2	64178	Ranchland Wind Project II, LLC	IPP	Ranchland Wind Project II	TX	64544	WT2	148.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	148.0
2022	2	16609	San Diego Gas & Electric Co	Electric Utility	Kearny North Energy Storage	CA	64612	KNES	10.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	10.0
2022	2	16609	San Diego Gas & Electric Co	Electric Utility	Kearny South Energy Storage	CA	64614	KSES	10.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	10.0
2022	2	20712	Snowbird Corporation	Commercial	Snowbird Power Plant	UT	10215	1138	1.5	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	1.5
2022	2	20712	Snowbird Corporation	Commercial	Snowbird Power Plant	UT	10215	1258	2.5	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	2.5
2022	2	20712	Snowbird Corporation	Commercial	Snowbird Power Plant	UT	10215	1260	2.5	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	2.5
2022	2	17650	Southern Power Co	IPP	RE Tranquillity	CA	59939	BESS2	35.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	35.0
2022	2	60531	Standard Solar	IPP	USS Sycamore Solar	IL	63621	USSYC	2.7	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.7
2022	2	62716	Stony Knoll Solar, LLC	IPP	Stony Knoll Solar, LLC	NC	62820	GEN1	22.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	22.6
2022	2	62824	Syncarpha Northbridge I, LLC	IPP	Syncarpha Northbridge I Hybrid(CSG)	MA	62977	SYN1B	4.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	4.0
2022	2	62812	Syncarpha Tewksbury, LLC	IPP	Syncarpha Tewksbury Hybrid CSG	MA	62968	SYTKB	2.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	2.0
2022	2	62812	Syncarpha Tewksbury, LLC	IPP	Syncarpha Tewksbury Hybrid CSG	MA	62968	SYTKS	2.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.8
2022	2	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
2022	2	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
2022	2	61637	TUUSSO Energy, LLC	IPP	Penstemon Solar Project	WA	62069	PENST	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2022	2	18454	Tampa Electric Co	Electric Utility	Mountain View Solar (FL)	FL	61664	GEN1	52.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	52.5
2022	2	64366	Terra-Gen Operating Co-Hybrid	IPP	Edwards Sanborn S1	CA	64929	PV	44.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	44.6
2022	2	64366	Terra-Gen Operating Co-Hybrid	IPP	Edwards Sanborn S3	CA	64928	PV	37.7	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	37.7
2022	2	63328	USS Goodrich Solar	IPP	USS Goodrich Solar	IL	63620	USGCH	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2022	2	64315	Walmart Stores Texas, LLC	Commercial	WAL3224	TX	64893	GEN1	0.4	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	0.4
2022	2	64315	Walmart Stores Texas, LLC	Commercial	WAL3224	TX	64893	GEN2	0.4	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	0.4
2022	2	64315	Walmart Stores Texas, LLC	Commercial	WAL3224	TX	64893	GEN3	0.4	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	0.4
2022	2	64315	Walmart Stores Texas, LLC	Commercial	WAL3406	TX	64922	GEN1	0.4	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	0.4
2022	2	64315	Walmart Stores Texas, LLC	Commercial	WAL3406	TX	64922	GEN2	0.4	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	0.4
2022	2	64315	Walmart Stores Texas, LLC	Commercial	WAL3406	TX	64922	GEN3	0.4	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	0.4
2022	2	63276	Woodfields Solar, LLC	IPP	Woodfields Solar	SC	63552	PGR21	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2022	3	61012	AES Distributed Energy	IPP	Brookwood Drive	MA	64727	BESS	3.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	3.0
2022	3	61012	AES Distributed Energy	IPP	Brookwood Drive	MA	64727	BRKWD	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2022	3	61012	AES Distributed Energy	IPP	Central Line Solar, LLC	AZ	64566	CNTRL	100.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	100.0
2022	3	61012	AES Distributed Energy	IPP	West Haydenville PJ	MA	64726	BESS	3.6	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	3.6
2022	3	61012	AES Distributed Energy	IPP	West Haydenville PJ	MA	64726	WHAYD	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
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	(V) Under construction, more than 50 percent complete	200.5
2022	3	64273	Angel Fire Energy Facility, LLC	IPP	Angel Fire Energy Facility	NM	64695	TMEF1	9.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	9.8
2022	3	64144	Arlington Energy Center II	IPP	Arlington Energy Center II	CA	64481	AEC1	100.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	100.0
2022	3	63784	Azure Sky Wind Project, LLC	IPP	Azure Sky Wind Project, LLC Hybrid	TX	64164	ASWBE	120.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	120.0
2022	3	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
2022	3	63883	Broad Reach Power	IPP	Sierra	CA	64320	SIER	10.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	10.0
2022	3	63221	CD4	IPP	CD4	CA	63490	OEC1	17.0	Geothermal	GEO	BT	(V) Under construction, more than 50 percent complete	25.0
2022	3	64539	CHF-Davis I, LLC	IPP	West Village Solar - Array 1	CA	65189	WVSA1	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.2
2022	3	58508	Carolina Solar Energy LLC	IPP	Sellers Farm Solar	NC	60439	PV1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2022	3	56769	Consolidated Edison Development Inc.	IPP	UMass PV Lot 49	MA	65153	U49PV	0.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.8
2022	3	63578	Dodge Flat Solar, LLC	IPP	Dodge Flat	NV	63913	DODGB	50.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	50.0
2022	3	63578	Dodge Flat Solar, LLC	IPP	Dodge Flat	NV	63913	DODGE	200.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	200.0
2022	3	6455	Duke Energy Florida, LLC	Electric Utility	Bay Trail Solar Power Plant	FL	64145	PV1	74.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.9
2022	3	6455	Duke Energy Florida, LLC	Electric Utility	Cape San Blas	FL	63996	ES1	5.5	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	5.5
2022	3	15470	Duke Energy Indiana, LLC	Electric Utility	Purdue CHP	IN	65400	PUCHP	11.5	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	13.3
2022	3	3046	Duke Energy Progress - (NC)	Electric Utility	Hot Springs Energy Storage & Microgrid	NC	64640	ES1	4.4	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	4.4
2022	3	3046	Duke Energy Progress - (NC)	Electric Utility	Hot Springs Energy Storage & Microgrid	NC	64640	PV1	2.7	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.7
2022	3	3046	Duke Energy Progress - (NC)	Electric Utility	Woodfin Solar	NC	64882	PV1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2022	3	58970	Ecoplexus, Inc	IPP	Camp San Luis Obispo	CA	63870	CPSLO	1.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.2
2022	3	58970	Ecoplexus, Inc	IPP	Kern Valley SP	CA	63875	KRNVL	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2022	3	58970	Ecoplexus, Inc	IPP	Mule Creek State Prison	CA	63876	MLCRK	2.1	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.1
2022	3	63418	Elora Solar	IPP	Elora Solar	TN	63719	ELO	150.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	150.0
2022	3	63653	Energix Nokesville, LLC	IPP	Energix Nokesville, LLC	VA	64012	ENX07	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2022	3	63772	Fish Springs Ranch Solar, LLC	IPP	Fish Springs	NV	64148	FISH	100.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	100.0
2022	3	63772	Fish Springs Ranch Solar, LLC	IPP	Fish Springs	NV	64148	FISHB	25.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	25.0
2022	3	64683	Ford Ridge	IPP	Ford County Wind Farm LLC	IL	65350	FORDC	121.3	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	121.3
2022	3	62856	Forefront Power, LLC	IPP	CA - Ventura Co CCD - Moorpark College	CA	65365	17024	2.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.6
2022	3	63631	Four Brothers 2, LLC	IPP	Hertford Solar Power, LLC	NC	63024	KEH	10.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	10.0
2022	3	61944	Goldman Sachs Renewable Power Group	IPP	Slate Hybrid	CA	63727	SLBES	50.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	50.0
2022	3	61944	Goldman Sachs Renewable Power Group	IPP	Slate Hybrid	CA	63727	SLSTN	63.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	63.0
2022	3	60025	Greenbacker Renewable Energy Corporation	IPP	ER Bone Hill Solar, LLC	VT	65135	288	1.2	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.2
2022	3	60025	Greenbacker Renewable Energy Corporation	IPP	WW-DC Solar 1, LLC	DC	65176	654	1.2	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.2
2022	3	64259	Heartland Divide II	IPP	Heartland Divide II	IA	64661	HDII	200.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	200.0
2022	3	61395	Indeck Niles, LLC	IPP	Indeck Niles Energy Center	MI	55460	CT1	364.8	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	386.8
2022	3	61395	Indeck Niles, LLC	IPP	Indeck Niles Energy Center	MI	55460	CT2	364.8	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	386.8
2022	3	61395	Indeck Niles, LLC	IPP	Indeck Niles Energy Center	MI	55460	ST1	354.4	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	400.8
2022	3	49893	Invenergy Services LLC	IPP	Orangeville Storage	NY	64686	65002	24.7	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	24.7
2022	3	49893	Invenergy Services LLC	IPP	Samson Solar Energy	TX	63211	GEN1	250.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	250.0
2022	3	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	3	63244	KSI II Consolidated, LLC	IPP	County Road 17	NY	65222	AFTON	3.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.3
2022	3	56155	Lansing Board of Water and Light	Electric Utility	Delta Energy Park	MI	63259	DEPC2	48.3	Natural Gas Fired Combined Cycle	NG	CT	(TS) Construction complete, but not yet in commercial operation	58.0
2022	3	56155	Lansing Board of Water and Light	Electric Utility	Delta Energy Park	MI	63259	DEPC3	48.3	Natural Gas Fired Combined Cycle	NG	CT	(TS) Construction complete, but not yet in commercial operation	58.0
2022	3	56155	Lansing Board of Water and Light	Electric Utility	Delta Energy Park	MI	63259	DEPS1	46.3	Natural Gas Fired Combustion Turbine	NG	GT	(TS) Construction complete, but not yet in commercial operation	58.0
2022	3	56155	Lansing Board of Water and Light	Electric Utility	Delta Energy Park	MI	63259	DEPST	81.0	Natural Gas Fired Combined Cycle	NG	CA	(TS) Construction complete, but not yet in commercial operation	89.2
2022	3	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Elk Hill Solar 1	PA	63773	PAEH1	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2022	3	64724	Lincoln Solar Star, LLC	IPP	Lincoln WWTF Hybrid	CA	65382	ESS	1.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	1.0
2022	3	55983	Luminant Generation Company LLC	IPP	Brightside	TX	63223	UNIT1	50.7	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	50.7
2022	3	64676	Macbeth Solar, LLC	IPP	Macbeth Solar	MI	65346	MCB20	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2022	3	62915	Madison Energy Holdings LLC	IPP	Norton	MA	64532	NORTN	1.4	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.4
2022	3	11479	Madison Gas & Electric Co	Electric Utility	Hermsdorf Solar	WI	64780	1	8.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	8.0
2022	3	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
2022	3	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
2022	3	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
2022	3	12341	MidAmerican Energy Co	Electric Utility	Waterloo Solar (IA)	IA	64984	WATS	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0
2022	3	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
2022	3	64500	Norridgewock River Road Solar, LLC	IPP	River Road	ME	65112	RIV	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2022	3	13683	North Carolina El Member Corp	Electric Utility	Hamlet Solar Energy Storage	NC	64512	BAT1	0.5	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	0.5
2022	3	13683	North Carolina El Member Corp	Electric Utility	Hamlet Solar Energy Storage	NC	64512	SOL1	0.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	0.5
2022	3	13683	North Carolina El Member Corp	Electric Utility	South River H4 Solar Energy Storage	NC	64509	BAT1	0.6	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	0.6
2022	3	13683	North Carolina El Member Corp	Electric Utility	South River H4 Solar Energy Storage	NC	64509	SOL1	0.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	0.5
2022	3	13683	North Carolina El Member Corp	Electric Utility	Wake RJ3 Solar Energy Storage	NC	64513	BAT1	0.6	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	0.6
2022	3	13683	North Carolina El Member Corp	Electric Utility	Wake RJ3 Solar Energy Storage	NC	64513	SOL1	0.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	0.5
2022	3	63590	Novel Martens Solar LLC	IPP	Novel Martens Solar LLC	MN	63987	MRTNS	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2022	3	63775	Novel Shelly Solar LLC	IPP	Novel Shelly Solar LLC	MN	64154	SHLLY	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2022	3	64700	OYA Robinson Road, LLC	IPP	OYA Robinson Road	NY	65378	NY002	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2022	3	64765	OYA Wayside Drive LLC	IPP	OYA Wayside Drive	NY	65434	NY003	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2022	3	63755	Old 300 Solar Center, LLC	IPP	Old 300 Solar Center, LLC	TX	64133	2222	430.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	430.0
2022	3	34691	Ormat Nevada Inc	IPP	Galena 2 Geothermal Power Plant	NV	56540	GLSOL	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0
2022	3	34691	Ormat Nevada Inc	IPP	Steamboat Hills LP	NV	50654	SBSOL	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2022	3	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
2022	3	64391	Pine Valley Solar, LLC	IPP	Pine Valley Solar Farm, LLC	NC	60298	PV1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2022	3	64413	Pretzel Solar, LLC	IPP	Pretzel	IL	64971	PRETZ	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2022	3	63082	ProEnergy Services	IPP	Braes Bayou Plant	TX	64383	CTG-1	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	60.5
2022	3	63082	ProEnergy Services	IPP	Braes Bayou Plant	TX	64383	CTG-3	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	60.5
2022	3	63082	ProEnergy Services	IPP	Braes Bayou Plant	TX	64383	CTG-4	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	60.5
2022	3	63082	ProEnergy Services	IPP	Braes Bayou Plant	TX	64383	CTG-5	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	60.5
2022	3	64415	RPNY Solar 1, LLC	IPP	Rock Island Road Solar	NY	64964	ROCKI	3.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.5
2022	3	64416	RPNY Solar 2, LLC	IPP	Bullis Road Solar	NY	64965	BULLS	4.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.5
2022	3	56215	RWE Renewables Americas LLC	IPP	Hickory Park Solar Hybrid	GA	63522	HPBAT	40.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	40.0
2022	3	56215	RWE Renewables Americas LLC	IPP	Hickory Park Solar Hybrid	GA	63522	HPRK	195.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	195.5
2022	3	64179	Ranchland Wind Storage, LLC	IPP	Ranchland Wind Storage	TX	64545	BA	73.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	73.0
2022	3	64295	SPG IL Brush Creek Solar LLC	IPP	IL17021 Brush Creek I	IL	64730	BCK17	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2022	3	64251	TG East Wind Project LLC	IPP	TG East	TX	64639	ESCA	336.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	336.0
2022	3	61637	TUUSSO Energy, LLC	IPP	Camas Solar Project	WA	62071	CAMAS	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2022	3	18454	Tampa Electric Co	Electric Utility	Jamison Solar (FL)	FL	64631	1	74.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.8
2022	3	64366	Terra-Gen Operating Co-Hybrid	IPP	Edwards Sanborn E2	CA	64879	BESS	122.8	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	122.8
2022	3	64366	Terra-Gen Operating Co-Hybrid	IPP	Edwards Sanborn S1	CA	64929	BESS	42.1	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	42.1
2022	3	64366	Terra-Gen Operating Co-Hybrid	IPP	Edwards Sanborn S3	CA	64928	BESS	35.1	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	35.1
2022	3	60947	Tesla Inc.	Industrial	Tesla Reno GigaFactory	NV	64098	3	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2022	3	60947	Tesla Inc.	Industrial	Tesla Reno GigaFactory	NV	64098	RA	1.1	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.1
2022	3	60947	Tesla Inc.	Industrial	Tesla Reno GigaFactory	NV	64098	RB	1.8	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.8
2022	3	60947	Tesla Inc.	Industrial	Tesla Reno GigaFactory	NV	64098	RC	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2022	3	58542	Trustees of Princeton University	Commercial	Princeton University Cogeneration	NJ	58584	PV3	10.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	10.5
2022	3	58542	Trustees of Princeton University	Commercial	Princeton University Cogeneration	NJ	58584	PV4	0.4	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.4
2022	3	64339	VESI Upton County BESS, LLC	IPP	Upton County BESS	TX	64811	UPT1	3.1	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	3.1
2022	3	64339	VESI Upton County BESS, LLC	IPP	Upton County BESS	TX	64811	UPT2	3.1	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	3.1
2022	3	64339	VESI Upton County BESS, LLC	IPP	Upton County BESS	TX	64811	UPT3	3.1	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	3.1
2022	3	64339	VESI Upton County BESS, LLC	IPP	Upton County BESS	TX	64811	UPT4	3.1	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	3.1
2022	3	64339	VESI Upton County BESS, LLC	IPP	Upton County BESS	TX	64811	UPT5	3.1	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	3.1
2022	3	64339	VESI Upton County BESS, LLC	IPP	Upton County BESS	TX	64811	UPT6	3.1	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	3.1
2022	3	64339	VESI Upton County BESS, LLC	IPP	Upton County BESS	TX	64811	UPT7	3.1	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	3.1
2022	3	64339	VESI Upton County BESS, LLC	IPP	Upton County BESS	TX	64811	UPT8	3.1	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	3.1
2022	3	64315	Walmart Stores Texas, LLC	Commercial	WAL5080	TX	64948	GEN1	0.4	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	0.4
2022	3	64315	Walmart Stores Texas, LLC	Commercial	WAL5080	TX	64948	GEN2	0.4	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	0.4
2022	3	64315	Walmart Stores Texas, LLC	Commercial	WAL5080	TX	64948	GEN3	0.4	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	0.4
2022	3	64315	Walmart Stores Texas, LLC	Commercial	WAL565	TX	64798	GEN1	0.4	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	0.4
2022	3	64315	Walmart Stores Texas, LLC	Commercial	WAL565	TX	64798	GEN2	0.4	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	0.4
2022	3	64315	Walmart Stores Texas, LLC	Commercial	WAL565	TX	64798	GEN3	0.4	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	0.4
2022	3	62668	Wheatridge Wind Holdings, LLC	IPP	Wheatridge Hybrid	OR	62745	BTRY	30.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	30.0
2022	3	62668	Wheatridge Wind Holdings, LLC	IPP	Wheatridge Hybrid	OR	62745	SOLAR	50.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	50.0
2022	4	61012	AES Distributed Energy	IPP	Antelope Expansion 1B	CA	62320	ANE1B	17.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	17.0
2022	4	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
2022	4	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	4	15399	Avangrid Renewables LLC	IPP	Golden Hill Wind	OR	63710	GH1	201.3	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	201.3
2022	4	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
2022	4	64539	CHF-Davis I, LLC	IPP	West Village Solar - Array 2	CA	65190	WVSA2	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.3
2022	4	64577	Caden Energix Wytheville LLC	IPP	Caden Energix Wytheville LLC	VA	65314	ENX19	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2022	4	57365	Consolidated Edison Solutions Inc	IPP	Mt Pleasant Community Center	NY	64442	MPES	0.7	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	0.7
2022	4	57365	Consolidated Edison Solutions Inc	IPP	Mt Pleasant Community Center	NY	64442	MPPV	0.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.5
2022	4	63991	DG New York CS, LLC	IPP	Cortlandville III Solar CSG	NY	65090	CORT3	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2022	4	63523	DePue Holdings, LLC	IPP	DePue Holdings, LLC	IL	63845	DEPUE	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2022	4	5248	Dominion Energy Inc	Electric Utility	Grassfield Solar	VA	64135	GFSO	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2022	4	58468	Dominion Renewable Energy	IPP	Meherrin Solar	VA	62758	MEHER	59.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	59.6
2022	4	6455	Duke Energy Florida, LLC	Electric Utility	Jennings Energy Storage Facility	FL	63998	ES1	5.5	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	5.5
2022	4	6455	Duke Energy Florida, LLC	Electric Utility	Lake Placid Solar Power Plant	FL	62541	ES1	17.3	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	17.3
2022	4	6455	Duke Energy Florida, LLC	Electric Utility	Sandy Creek Solar Power Plant	FL	64146	PV1	74.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.9
2022	4	55729	Duke Energy Kentucky Inc	Electric Utility	Aero Solar Facility	KY	65027	PV1	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2022	4	64209	El Algodon Alto Wind Farm, LLC	IPP	El Algodon Alto Wind Farm, LLC	TX	64591	EEA	200.2	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	200.2
2022	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
2022	4	64482	Everson Garden LLC	IPP	Everson Garden	MN	65075	CGS	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2022	4	59497	Eversource	IPP	Outer Cape Community Battery	MA	62604	OCESS	25.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	25.0
2022	4	62856	Forefront Power, LLC	IPP	CA - DGS RFP - RJ Donovan State Prison	CA	65104	15111	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2022	4	62856	Forefront Power, LLC	IPP	CA-DGS-California Correctional Inst	CA	65105	15111	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2022	4	6541	Formosa Plastics Corp	Industrial	Formosa Utility Venture Ltd	TX	10554	3ST1	38.0	Natural Gas Fired Combined Cycle	NG	CA	(TS) Construction complete, but not yet in commercial operation	40.0
2022	4	6541	Formosa Plastics Corp	Industrial	Formosa Utility Venture Ltd	TX	10554	3TBG1	97.0	Natural Gas Fired Combined Cycle	NG	CT	(TS) Construction complete, but not yet in commercial operation	102.0
2022	4	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
2022	4	61944	Goldman Sachs Renewable Power Group	IPP	Dry Bridge Solar (Brown University)	RI	62771	DBS1	10.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	10.0
2022	4	61944	Goldman Sachs Renewable Power Group	IPP	Dry Bridge Solar (Brown University)	RI	62771	DBS2	10.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	10.0
2022	4	61944	Goldman Sachs Renewable Power Group	IPP	Dry Bridge Solar (Brown University)	RI	62771	DBS3	10.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	10.0
2022	4	61944	Goldman Sachs Renewable Power Group	IPP	Dry Bridge Solar (Brown University)	RI	62771	DBS4	10.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	10.0
2022	4	61944	Goldman Sachs Renewable Power Group	IPP	NY8 - Puckett Solar	NY	65125	GEN1	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2022	4	61944	Goldman Sachs Renewable Power Group	IPP	NY8 - Regan Solar	NY	65124	GEN1	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2022	4	60025	Greenbacker Renewable Energy Corporation	IPP	ER Center Road Solar, LLC	VT	65166	287	2.1	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.1
2022	4	60025	Greenbacker Renewable Energy Corporation	IPP	Millersport GM 1	NY	65309	532	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2022	4	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
2022	4	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
2022	4	49893	Invenergy Services LLC	IPP	Traverse Wind Project, LLC	OK	63479	GEN1	999.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	999.0
2022	4	62787	Jackson Generation, LLC	IPP	Jackson Generation, LLC	IL	62926	01	600.0	Natural Gas Fired Combined Cycle	NG	CS	(TS) Construction complete, but not yet in commercial operation	644.3

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2022	4	62787	Jackson Generation, LLC	IPP	Jackson Generation, LLC	IL	62926	02	600.0	Natural Gas Fired Combined Cycle	NG	CS	(TS) Construction complete, but not yet in commercial operation	644.3
2022	4	64493	Jicarilla Solar 2 LLC	IPP	Jicarilla Solar 2	NM	65103	JICS2	50.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	50.0
2022	4	63522	Johanna Energy Center, LLC	IPP	Santa Ana Storage 2	CA	64921	SAP2	20.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	20.0
2022	4	63107	Lansing Renewables, LLC	IPP	Lansing Renewables, LLC	NY	63337	14320	3.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	3.0
2022	4	64282	LeConte Energy Storage, LLC	IPP	LeConte Energy Storage	CA	64701	LCES	125.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	125.0
2022	4	50123	Leeward Asset Management, LLC	IPP	Panorama Wind, LLC	CO	64872	PANWD	145.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	145.0
2022	4	63658	Long Beach Trigen, LLC	IPP	Toyota Long Beach Trigen	CA	64005	MMR-1	2.2	Other Waste Biomass	OBG	FC	(U) Under construction, less than or equal to 50 percent complete	2.8
2022	4	55983	Luminant Generation Company LLC	IPP	Emerald Grove	TX	63233	UNIT1	108.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	108.0
2022	4	63403	Luna Storage, LLC	IPP	Luna Storage	CA	63685	LUNA	100.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	100.0
2022	4	64625	MA CS Uxbridge, LLC	IPP	MA CS Uxbridge, LLC	MA	65362	UXBRD	4.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	4.0
2022	4	12303	Merck & Co Inc-West Point	Industrial	West Point (PA)	PA	52149	GEN17	2.0	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	2.0
2022	4	64684	Mulligan Solar	IPP	Mulligan Solar, LLC	IL	65349	MLGAN	92.4	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	92.4
2022	4	56990	NJR Clean Energy Ventures Corporation	IPP	Aero Haven Solar	NJ	63195	ACP3	2.6	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.6
2022	4	56990	NJR Clean Energy Ventures Corporation	IPP	Airport Road Solar	NY	65385	AIRPT	4.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.6
2022	4	13683	North Carolina El Member Corp	Electric Utility	Arba Solar Energy Storage	NC	64510	BAT1	5.1	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	5.1
2022	4	13683	North Carolina El Member Corp	Electric Utility	Arba Solar Energy Storage	NC	64510	SOL1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2022	4	13683	North Carolina El Member Corp	Electric Utility	Rose Acre Solar Energy Storage	NC	64511	BAT1	2.5	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	2.5
2022	4	13683	North Carolina El Member Corp	Electric Utility	Rose Acre Solar Energy Storage	NC	64511	SOL1	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2022	4	13809	NorthWestern Energy - (SD)	Electric Utility	Bob Glanzer Generating Station	SD	65295	HG1	9.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	11.5
2022	4	13809	NorthWestern Energy - (SD)	Electric Utility	Bob Glanzer Generating Station	SD	65295	HG2	9.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	11.5
2022	4	13809	NorthWestern Energy - (SD)	Electric Utility	Bob Glanzer Generating Station	SD	65295	HG3	9.2	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	11.5
2022	4	64188	Novel Stein Solar LLC	IPP	Novel Stein Solar LLC CSG	MN	64563	STEIN	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2022	4	59254	NuGen Capital Management	IPP	Bristol Landfill Solar	RI	65142	BL1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2022	4	64766	OYA Pulaski LLC	IPP	OYA Pulaski	NY	65435	NY004	3.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.5
2022	4	63773	Orsted Onshore North America	IPP	Western Trail Wind, LLC	TX	64149	WTW	366.6	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	366.6
2022	4	63432	SkyHigh 2 Solar	Commercial	Amazon TUS2	AZ	64384	ATUS2	2.6	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.6
2022	4	63432	SkyHigh 2 Solar	Commercial	EMWD - San Jacinto RES BCT	CA	64399	EMRES	4.2	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	4.2
2022	4	61516	Stratford Solar Center, LLC	IPP	Stratford Solar Center, LLC	VA	61908	STRAT	15.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	15.0
2022	4	63718	Sunflower County Solar Project, LLC	IPP	Sunflower County	MS	64081	SUNFL	100.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	100.0
2022	4	61637	TUUSSO Energy, LLC	IPP	Urtica Solar Project	WA	62067	URTIC	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2022	4	64393	Tulare Solar Center, LLC	IPP	Luciana	CA	64909	TSC	55.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	55.8
2022	4	64396	USS Foley Solar LLC	IPP	USS Foley Solar LLC	MN	64987	USSFS	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2022	4	64761	USS Itasca Clean Energy Solar LLC	IPP	USS Itasca Clean Energy Solar LLC	MN	65441	ITCBT	1.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	1.0
2022	4	64761	USS Itasca Clean Energy Solar LLC	IPP	USS Itasca Clean Energy Solar LLC	MN	65441	USSTC	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2022	4	62977	USS Water Fowl Solar LLC	IPP	USS Water Fowl Solar LLC CSG	MN	63219	WTRFL	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2022	4	19539	University of Iowa	Commercial	University of Iowa Main Power Plant	IA	54775	GEN12	5.8	Natural Gas Steam Turbine	NG	ST	(TS) Construction complete, but not yet in commercial operation	5.8
2022	4	19539	University of Iowa	Commercial	University of Iowa Main Power Plant	IA	54775	GEN13	10.0	Natural Gas Steam Turbine	NG	ST	(TS) Construction complete, but not yet in commercial operation	10.0
2022	4	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
2022	5	61012	AES Distributed Energy	IPP	Skipjack Solar Center	VA	62675	SKIPJ	175.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	175.0
2022	5	15399	Avangrid Renewables LLC	IPP	Lund Hill Solar	WA	63509	LHS1	150.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	150.0
2022	5	64516	Azimuth 180 Solar Electric, LLC	IPP	Grinnell College	IA	65164	GRIN	3.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.9
2022	5	64516	Azimuth 180 Solar Electric, LLC	IPP	Ontario Sun	NY	65165	ONSUN	2.4	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.4
2022	5	64516	Azimuth 180 Solar Electric, LLC	IPP	Orioles	NY	65163	ORIOL	5.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.6
2022	5	64285	BCD Project Holdings 1, LLC	IPP	CL-Viaduct LLC	PA	64709	GSF01	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2022	5	64285	BCD Project Holdings 1, LLC	IPP	UN-School House LLC	PA	64711	GSF01	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2022	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
2022	5	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
2022	5	64249	Big River Solar, LLC	IPP	Big River Solar	IL	64637	BRS	149.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	149.0
2022	5	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	5	64310	Bronx Community Clean Energy Project LLC	IPP	Fuel Cell 3245 Yates Avenue	NY	64747	C3245	5.0	Other Natural Gas	NG	FC	(U) Under construction, less than or equal to 50 percent complete	5.0
2022	5	4180	Connecticut Mun Elec Engy Coop	Electric Utility	Subase Microgrid Project	CT	59701	SFC1	3.7	Other Natural Gas	NG	FC	(V) Under construction, more than 50 percent complete	3.7
2022	5	4180	Connecticut Mun Elec Engy Coop	Electric Utility	Subase Microgrid Project	CT	59701	SFC2	3.7	Other Natural Gas	NG	FC	(V) Under construction, more than 50 percent complete	3.7
2022	5	56769	Consolidated Edison Development Inc.	IPP	CED Manchester Wind	IA	64177	MANW	7.9	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	7.9
2022	5	6455	Duke Energy Florida, LLC	Electric Utility	Micanopy Energy Storage Facility	FL	63999	ES1	8.3	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	8.3
2022	5	61944	Goldman Sachs Renewable Power Group	IPP	NY8 - Grissom Solar	NY	65121	GEN1	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2022	5	61944	Goldman Sachs Renewable Power Group	IPP	NY8 - Janis Solar	NY	65123	GEN1	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2022	5	60025	Greenbacker Renewable Energy Corporation	IPP	Graphite Solar I	UT	64186	394	80.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	80.0
2022	5	60025	Greenbacker Renewable Energy Corporation	IPP	Hudson County Solar	NJ	65167	470	1.2	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.2
2022	5	59093	Hidden View Dairy, LLC	Industrial	Hidden View Dairy, LLC	IN	59260	HV3	0.9	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	1.0
2022	5	9234	Indiana Municipal Power Agency	Electric Utility	Anderson 6	IN	64249	SAND6	6.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	6.8
2022	5	50123	Leeward Asset Management, LLC	IPP	Oak Trail Solar, LLC	NC	64683	GEN01	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	103.7
2022	5	55983	Luminant Generation Company LLC	IPP	DeCordova Steam Electric Station	TX	8063	BESS	260.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	269.1
2022	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
2022	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
2022	5	63451	Madero Grid, LLC	IPP	Madero Grid	TX	63757	MAD01	100.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	100.0
2022	5	63733	Maverick Solar 6, LLC	IPP	Maverick Solar 6, LLC	CA	64105	MAV04	50.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	50.0
2022	5	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
2022	5	64131	Novel Caroline Solar, LLC	IPP	Novel Caroline Solar, LLC CSG	MN	64485	CRLNE	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2022	5	64132	Novel David Solar LLC	IPP	Novel David Solar LLC CSG	MN	64486	DAVID	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2022	5	64134	Novel Denzer Solar LLC	IPP	Novel Denzer Solar LLC CSG	MN	64488	DNZR	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2022	5	64293	Novel Froehle Solar LLC	IPP	Novel Froehle Solar LLC	MN	64728	FROLE	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2022	5	64128	Novel Handeland Solar LLC	IPP	Novel Handeland Solar LLC	MN	64479	HNDLD	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2022	5	64129	Novel Sunnyfield Farms Solar LLC	IPP	Novel Sunnyfield Farms Solar LLC CSG	MN	64483	SNYFD	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2022	5	64767	OYA Main Street LLC	IPP	OYA Main Street	NY	65436	NY006	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2022	5	63331	Organic Energy Solutions, Inc.	Electric CHP	OES Biogas Power	CA	63622	OES01	1.3	Other Waste Biomass	OBG	IC	(TS) Construction complete, but not yet in commercial operation	1.3
2022	5	63331	Organic Energy Solutions, Inc.	Electric CHP	OES Biogas Power	CA	63622	OES02	1.3	Other Waste Biomass	OBG	IC	(TS) Construction complete, but not yet in commercial operation	1.3
2022	5	64743	PPM Solar LLC	IPP	Beloit Solar LLC	KS	65391	BS1	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2022	5	15248	Portland General Electric Co	Electric Utility	Faraday	OR	3045	7	9.0	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	9.0
2022	5	15248	Portland General Electric Co	Electric Utility	Faraday	OR	3045	8	9.0	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	9.0
2022	5	62047	Roadrunner Solar, LLC	IPP	Roadrunner, LLC Hybrid	TX	62561	BA	50.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	50.0
2022	5	63714	Route 66 Energy Center, LLC	IPP	Route 66 Energy Center, LLC	NM	64076	RTE66	49.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	49.5
2022	5	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

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	5	60217	San Bernardino Valley Mun. Water Dist.	Electric Utility	Waterman Turnout Hydroelectric	CA	60466	WTHF	1.0	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	1.0
2022	5	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
2022	5	64397	USS Prokosch Solar LLC	IPP	USS Prokosch Solar LLC	MN	64988	USPKS	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
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	Pigeon Run Solar Project	VA	64767	TC001	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	Rayos Del Sol Solar Project	TX	64737	RDS01	135.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	135.0
2022	6	61222	174 Power Global Corp.	IPP	Shockoe Solar Project	VA	64768	TC001	60.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	60.0
2022	6	61012	AES Distributed Energy	IPP	Pullman Solar, LLC	MI	64581	PULMN	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2022	6	62794	AP Solar 2, LLC	IPP	Fighting Jays Solar Project	TX	62945	FJSOL	350.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	350.0
2022	6	61514	Agilitas Energy, LLC	IPP	Old Middleboro Road Solar	MA	64759	OLD	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2022	6	61514	Agilitas Energy, LLC	IPP	Old Middleboro Road Solar	MA	64759	OLDBA	4.5	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	4.5
2022	6	64273	Angel Fire Energy Facility, LLC	IPP	Angel Fire Energy Facility	NM	64695	BESS	3.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	3.0
2022	6	803	Arizona Public Service Co	Electric Utility	Desert Star Hybrid	AZ	59444	DS10M	10.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	10.0
2022	6	64568	BT Noble Solar, LLC	IPP	Noble Solar	TX	65271	NBSLR	275.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	275.0
2022	6	64568	BT Noble Solar, LLC	IPP	Noble Solar	TX	65271	NBSTG	125.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	125.0
2022	6	61715	Bell Solar	IPP	Bell Solar	SC	62183	25	6.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	6.1
2022	6	64424	Big Beau Solar, LLC	IPP	BigBeau Solar, LLC	CA	64993	BB1BA	40.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	40.0
2022	6	62050	Castleman Power Development LLC	IPP	Palestine Power Peaking Facility	TX	62684	PP-1	43.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2022	6	62050	Castleman Power Development LLC	IPP	Palestine Power Peaking Facility	TX	62684	PP-2	43.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2022	6	62050	Castleman Power Development LLC	IPP	Palestine Power Peaking Facility	TX	62684	PP-3	43.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2022	6	62050	Castleman Power Development LLC	IPP	Palestine Power Peaking Facility	TX	62684	PP-4	43.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2022	6	62050	Castleman Power Development LLC	IPP	SJRR Power LLC	TX	62548	SJ-1	43.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	50.0
2022	6	62050	Castleman Power Development LLC	IPP	SJRR Power LLC	TX	62548	SJ-2	43.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	50.0
2022	6	62050	Castleman Power Development LLC	IPP	Sealy Power Peaking Facility	TX	62685	SP-1	43.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2022	6	62050	Castleman Power Development LLC	IPP	Sealy Power Peaking Facility	TX	62685	SP-2	43.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2022	6	62050	Castleman Power Development LLC	IPP	Sealy Power Peaking Facility	TX	62685	SP-3	43.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2022	6	62050	Castleman Power Development LLC	IPP	Sealy Power Peaking Facility	TX	62685	SP-4	43.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	50.0
2022	6	62050	Castleman Power Development LLC	IPP	Victoria Port Power II LLC	TX	61966	VP2-1	43.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	50.0
2022	6	62050	Castleman Power Development LLC	IPP	Victoria Port Power II LLC	TX	61966	VP2-2	43.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	50.0
2022	6	6762	City of Fredonia - (KS)	Electric Utility	Fredonia	KS	65374	GEN1	1.5	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	1.5
2022	6	6762	City of Fredonia - (KS)	Electric Utility	Fredonia	KS	65374	GEN2	1.5	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	1.5
2022	6	16295	City of Roseville - (CA)	Electric Utility	Roseville Energy Park	CA	56298	0004	30.0	Natural Gas Fired Combustion Turbine	NG	GT	(TS) Construction complete, but not yet in commercial operation	30.0
2022	6	16295	City of Roseville - (CA)	Electric Utility	Roseville Energy Park	CA	56298	0005	30.0	Natural Gas Fired Combustion Turbine	NG	GT	(TS) Construction complete, but not yet in commercial operation	30.0
2022	6	18137	City of Stockton - (KS)	Electric Utility	Stockton	KS	1327	6	2.8	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	3.1
2022	6	5109	DTE Electric Company	Electric Utility	Blue Water Energy Center	MI	62192	11	359.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	394.4
2022	6	5109	DTE Electric Company	Electric Utility	Blue Water Energy Center	MI	62192	12	359.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	394.4
2022	6	5109	DTE Electric Company	Electric Utility	Blue Water Energy Center	MI	62192	1S	428.0	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	478.6
2022	6	40230	Deseret Generation & Tran Coop	Electric Utility	Fort Pierce Generating Facility	UT	65380	3	15.0	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	15.0
2022	6	62911	Drew Solar LLC	IPP	Drew Solar LLC	CA	63127	DS	100.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	100.0
2022	6	58970	Ecoplexus, Inc	IPP	CSP Los Angeles	CA	65182	CSLPA	2.3	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.3
2022	6	58970	Ecoplexus, Inc	IPP	CSP Solano	CA	65181	CSLNO	5.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.1
2022	6	58970	Ecoplexus, Inc	IPP	Chuckawalla State Prison	CA	65180	CHKWL	2.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.1
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	Ironwood State Prison	CA	65179	IRNWD	1.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.1
2022	6	64438	Enel Green Power Roseland Solar, LLC	IPP	Roseland Solar Project, LLC	TX	65028	ROSES	500.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	500.0
2022	6	64175	FPS Coxsackie Solar LLC	IPP	Coxsackie Solar	NY	64542	1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2022	6	61732	Fairfield Solar	IPP	Fairfield Solar	SC	62212	36	10.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	10.0
2022	6	6452	Florida Power & Light Co	Electric Utility	Lauderdale	FL	613	7GT1	385.6	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	385.6
2022	6	6452	Florida Power & Light Co	Electric Utility	Lauderdale	FL	613	7GT2	385.6	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	385.6
2022	6	6452	Florida Power & Light Co	Electric Utility	Lauderdale	FL	613	ST7	391.8	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	391.8
2022	6	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
2022	6	62856	Forefront Power, LLC	IPP	MD - CS - BGE - PR24 TPE	MD	65340	19003	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2022	6	62856	Forefront Power, LLC	IPP	MD - PR97	MD	64689	90029	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2022	6	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	6	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	6	7140	Georgia Power Co	Electric Utility	Kings Bay Solar Facility	GA	59864	BESS	1.5	Batteries	MWH	BA	(OT) Other	1.5
2022	6	61944	Goldman Sachs Renewable Power Group	IPP	Chevron - Lost Hills Hybrid	CA	63545	BESS1	10.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	10.0
2022	6	63499	Gunsight Solar, LLC	IPP	Gunsight Solar, LLC	SC	63813	PGR26	75.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	75.0
2022	6	63437	Helena Wind, LLC	IPP	Helena Wind	TX	63738	HEL	250.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	250.0
2022	6	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
2022	6	63723	Ignacio Grid, LLC	IPP	Ignacio Grid Energy Storage System	TX	64089	IGN01	100.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	100.0
2022	6	9234	Indiana Municipal Power Agency	Electric Utility	Walkerton	IN	65068	WALK	1.1	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.1
2022	6	49893	Invenergy Services LLC	IPP	Thunderhead Wind Energy LLC	NE	62956	GEN1	300.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	300.0
2022	6	62912	Iris Solar LLC	IPP	Iris Solar LLC	LA	63128	ISLLC	50.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	50.0
2022	6	63453	JSD Pinson PV-1, LLC	IPP	Pinson Solar Farm	SC	63777	1310	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	26.0
2022	6	64236	Kearsarge Upper Union LLC	IPP	Kearsarge Upper Union	MA	64619	FUU	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2022	6	64236	Kearsarge Upper Union LLC	IPP	Kearsarge Upper Union	MA	64619	UUBAT	0.8	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	0.8
2022	6	50123	Leeward Asset Management, LLC	IPP	Rabbitbrush Solar, LLC	CA	64630	GEN01	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
2022	6	64441	MN CSG 2019-16 LLC	IPP	MN CSG 2019-16 LLC	MN	65003	WOLFE	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2022	6	64445	Mazeppa CSG 1 LLC	IPP	Mazeppa CSG	MN	65017	MZPA	0.4	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2022	6	56990	NJR Clean Energy Ventures Corporation	IPP	Holland Solar Farm	NJ	65387	HOLND	6.7	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	6.7
2022	6	56990	NJR Clean Energy Ventures Corporation	IPP	Mount Olive Solar Farm	NJ	65348	OLIVE	19.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	19.8
2022	6	13683	North Carolina EI Member Corp	Electric Utility	Collier BESS	NC	65248	BAT1	5.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	5.0
2022	6	13683	North Carolina EI Member Corp	Electric Utility	Docs Road BESS	NC	65249	BAT1	5.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	5.0
2022	6	13683	North Carolina EI Member Corp	Electric Utility	Five Points BESS	NC	65250	BAT1	2.5	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	2.5
2022	6	13683	North Carolina EI Member Corp	Electric Utility	Maysville BESS	NC	65240	BAT1	5.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	5.0
2022	6	13683	North Carolina EI Member Corp	Electric Utility	McKinney BESS	NC	65241	BAT1	5.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	5.0
2022	6	13683	North Carolina EI Member Corp	Electric Utility	New Rosewood BESS	NC	65243	BAT1	2.5	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	2.5
2022	6	13683	North Carolina EI Member Corp	Electric Utility	Queens Creek BESS	NC	65244	BAT1	2.5	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	2.5
2022	6	13683	North Carolina EI Member Corp	Electric Utility	Rocky Point BESS	NC	65245	BAT1	5.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	5.0
2022	6	13683	North Carolina EI Member Corp	Electric Utility	Walkers Crossroads BESS	NC	65246	BAT1	5.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	5.0
2022	6	13683	North Carolina EI Member Corp	Electric Utility	Zion Hill BESS	NC	65247	BAT1	2.5	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	2.5

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2022	6	64377	Novel Blilie Solar LLC	IPP	Novel Blilie Solar LLC	MN	64865	BLILE	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2022	6	64294	Novel Milbradt Solar LLC	IPP	Novel Milbradt Solar LLC	MN	64729	MLBRT	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2022	6	56215	RWE Renewables Americas LLC	IPP	Blackjack Creek Wind Farm	TX	62783	BLKJK	239.6	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	239.6
2022	6	59010	Rhubarb One LLC	IPP	Rhubarb One SC	SC	59596	PV1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2022	6	63778	SR Litchfield, LLC	IPP	SR Litchfield	CT	64161	LITCH	19.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. 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	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
2022	6	61828	Scarlet Solar	IPP	Scarlet Solar	SC	62307	71	2.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.0
2022	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
2022	6	63515	Sparta Solar, LLC	IPP	Sparta Solar	TX	63840	1111	250.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	250.0
2022	6	60531	Standard Solar	IPP	OER Patuxent CSG	MD	65358	PATUX	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2022	6	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
2022	6	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
2022	6	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	6	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	6	60947	Tesla Inc.	Industrial	Buffalo NY GigaFactory	NY	65071	PV1	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2022	6	60947	Tesla Inc.	Industrial	Fremont CA AutoFactory	CA	65072	GA3	1.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.3
2022	6	60947	Tesla Inc.	Industrial	Fremont CA AutoFactory	CA	65072	GVSRS	0.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	0.4
2022	6	60947	Tesla Inc.	Industrial	Fremont CA AutoFactory	CA	65072	RF67	0.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	0.3
2022	6	60947	Tesla Inc.	Industrial	Fremont CA AutoFactory	CA	65072	STAMP	1.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.2
2022	6	60947	Tesla Inc.	Industrial	Fremont CA AutoFactory	CA	65072	VSRS	0.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	0.4
2022	6	64398	USS Rosebud Solar LLC	IPP	USS Rosebud Solar LLC	MN	64989	USRBS	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2022	6	57281	University of Cincinnati	Commercial	East Campus Utility Plant	OH	57929	P058	2.5	Petroleum Liquids	DFO	IC	(TS) Construction complete, but not yet in commercial operation	2.5
2022	6	64303	VESI 10 LLC	IPP	Tierra Buena Energy Storage	CA	64743	TB1	2.5	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	2.5
2022	6	64303	VESI 10 LLC	IPP	Tierra Buena Energy Storage	CA	64743	TB2	2.5	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	2.5
2022	6	64545	Vesper Energy Development LLC	IPP	Gaucho Solar	PA	65214	GCHOS	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
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	64307	Castle Solar, LLC	IPP	Castle Solar, LLC	UT	64740	CS	40.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	40.0
2022	7	11332	City of Luverne - (MN)	Electric Utility	Luverne	MN	1990	5A	3.1	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	3.1
2022	7	11332	City of Luverne - (MN)	Electric Utility	Luverne	MN	1990	5B	3.1	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	3.1
2022	7	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
2022	7	6455	Duke Energy Florida, LLC	Electric Utility	Fort Green Solar Power Plant	FL	64533	PV1	74.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.9
2022	7	6455	Duke Energy Florida, LLC	Electric Utility	John Hopkins Middle School Microgrid	FL	64752	ES1	2.5	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	2.5
2022	7	6455	Duke Energy Florida, LLC	Electric Utility	John Hopkins Middle School Microgrid	FL	64752	PV1	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2022	7	62046	High Lonesome Wind Power, LLC	IPP	High Lonesome Wind Power, LLC Hybrid	TX	62562	BA	50.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	50.0
2022	7	9234	Indiana Municipal Power Agency	Electric Utility	Linton	IN	65069	LINT	5.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.4
2022	7	9234	Indiana Municipal Power Agency	Electric Utility	Peru 3	IN	64250	PERU3	2.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.9
2022	7	49893	Invenergy Services LLC	IPP	Delilah Solar Energy LLC	TX	63194	GEN1	300.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	300.0
2022	7	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Sun Mountain Solar 1	CO	65032	COSM1	200.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	200.0
2022	7	64511	MN CSG 2019-21 LLC	IPP	Hultman CSG	MN	65101	HLTMN	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2022	7	64509	MN CSG 2019-23 LLC	IPP	Eichten 3 CSG	MN	65115	ECHT3	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2022	7	64512	MN CSG 2019-41 LLC	IPP	Lindgren 1 CSG	MN	65102	LNDGR	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2022	7	64510	MN CSG 2019-53 LLC	IPP	Eikmeier CSG	MN	65100	EIKMR	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2022	7	64714	Maplewood Solar	Electric Utility	Maplewood Solar	VA	65319	MAPL	120.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	120.0
2022	7	61755	Marshall Solar	IPP	Marshall Solar	SC	62238	52	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2022	7	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	(T) Regulatory approvals received. Not under construction	70.0
2022	7	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	(T) Regulatory approvals received. Not under construction	65.0
2022	7	64130	Novel Schroeder Solar LLC	IPP	Novel Schroeder Solar LLC CSG	MN	64484	SCRDR	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
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	7	64366	Terra-Gen Operating Co-Hybrid	IPP	Edwards Sanborn E1A	CA	64878	BESS	133.4	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	133.4
2022	7	64366	Terra-Gen Operating Co-Hybrid	IPP	Edwards Sanborn E1A	CA	64878	PV	154.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	154.4
2022	7	64399	Trona Solar III LLC	IPP	Trona Solar III	CA	64914	71466	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2022	7	64566	USS Peach Solar LLC	IPP	USS Peach Solar LLC	MN	65276	USSPS	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2022	7	64315	Walmart Stores Texas, LLC	Commercial	WAL504	TX	64792	GEN1	0.4	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	0.4
2022	7	64315	Walmart Stores Texas, LLC	Commercial	WAL504	TX	64792	GEN2	0.4	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	0.4
2022	7	64315	Walmart Stores Texas, LLC	Commercial	WAL504	TX	64792	GEN3	0.4	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	0.4
2022	7	63225	Wister Solar	IPP	Wister Solar	CA	63487	WSOL	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2022	8	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
2022	8	64144	Arlington Energy Center II	IPP	Arlington Energy Center II	CA	64481	AEC2B	132.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	132.0
2022	8	64199	Arlington Energy Center III	IPP	Arlington Energy Center III	CA	64564	AEC3B	110.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	110.0
2022	8	62921	Arroyo Solar LLC	IPP	Arroyo Solar Energy Storage Hybrid	NM	63172	ARESS	150.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	150.0
2022	8	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
2022	8	64564	Byrd Ranch Storage LLC	IPP	Byrd Ranch Storage	TX	65259	P1	50.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	50.0
2022	8	1871	City of Blooming Prairie - (MN)	Electric Utility	Blooming Prairie	MN	1966	8	1.8	Petroleum Liquids	DFO	IC	(T) Regulatory approvals received. Not under construction	1.8
2022	8	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
2022	8	9234	Indiana Municipal Power Agency	Electric Utility	Bremen	IN	65086	BREM	6.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	6.8
2022	8	49893	Invenergy Services LLC	IPP	Calhoun Solar	MI	64856	65009	200.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	200.0
2022	8	50123	Leeward Asset Management, LLC	IPP	Rabbitbrush Solar, LLC	CA	64630	RBBAT	20.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	20.0
2022	8	64207	Letts Creek Solar, LLC	IPP	Letts Creek Solar, LLC	MI	64568	LETTS	15.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	15.0
2022	8	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Black Bear Solar 1	AL	63765	ALBB1	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
2022	8	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Walker	PA	65080	PACT5	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2022	8	12341	MidAmerican Energy Co	IPP	Holliday Creek Solar	IA	64738	HCS	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
2022	8	15296	New York Power Authority	Electric Utility	Willis Battery Storage	NY	63238	WB1	20.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	20.0
2022	8	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	8	64513	RE Crimson LLC	IPP	Crimson	CA	65140	SWSH1	200.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	200.0
2022	8	64276	Stanly Solar, LLC	IPP	Stanly Solar, LLC	NC	64702	PGR32	50.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	50.0
2022	8	60947	Tesla Inc.	IPP	University of the Pacific	CA	65132	PV1	4.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.5
2022	8	64315	Walmart Stores Texas, LLC	Commercial	WAL1801	TX	64884	GEN1	0.4	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	0.4
2022	8	64315	Walmart Stores Texas, LLC	Commercial	WAL1801	TX	64884	GEN2	0.4	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	0.4
2022	8	64315	Walmart Stores Texas, LLC	Commercial	WAL1801	TX	64884	GEN3	0.4	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	0.4
2022	8	64569	West Texas Solar Project II LLC	IPP	Taygete II Energy Project	TX	64075	TAYG2	203.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	203.8

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	61012	AES Distributed Energy	IPP	AES West Oahu Solar Hybrid	HI	64656	UHBES	12.5	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	12.5
2022	9	61012	AES Distributed Energy	IPP	AES West Oahu Solar Hybrid	HI	64656	UHWO	12.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	12.5
2022	9	221	Alaska Village Elec Coop, Inc	Electric Utility	St Marys IC	AK	6338	1C	0.5	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	0.5
2022	9	221	Alaska Village Elec Coop, Inc	Electric Utility	St Marys IC	AK	6338	2A	0.5	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	0.5
2022	9	221	Alaska Village Elec Coop, Inc	Electric Utility	St Marys IC	AK	6338	3A	1.8	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	1.8
2022	9	221	Alaska Village Elec Coop, Inc	Electric Utility	St Marys IC	AK	6338	4	1.8	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	1.8
2022	9	64548	Apple Grove Solar, LLC	IPP	Apple Grove Solar, LLC	VA	65224	ENX15	18.6	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	18.6
2022	9	64108	Brazoria West Solar Project, LLC	IPP	Brazoria West	TX	64447	GEN1	200.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	200.0
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	5109	DTE Electric Company	Electric Utility	Meridian Wind Park	MI	65328	1	225.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	225.0
2022	9	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
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	64428	Evergy, Inc.	IPP	Hawthorn Solar I	MO	65296	HAW10	10.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	10.0
2022	9	7140	Georgia Power Co	Electric Utility	Vogtle	GA	649	3	1,114.0	Nuclear	NUC	ST	(V) Under construction, more than 50 percent complete	1,114.0
2022	9	63841	Hadley 3 Solar, LLC (North)	IPP	Hadley 3 Solar (North)	MA	64231	09170	1.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	1.0
2022	9	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
2022	9	9234	Indiana Municipal Power Agency	Electric Utility	Gas City 2	IN	65315	GASC2	1.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.8
2022	9	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	9	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	East Chili	PA	65079	PACT4	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2022	9	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Hokes 1	PA	65077	PACT2	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2022	9	64442	MN CSG 2019-17 LLC	IPP	MN CSG 2019-17 LLC	MN	65004	MOORE	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2022	9	62893	Mililani I Solar LLC	IPP	Mililiani South Solar Farm	HI	57242	1	39.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	39.0
2022	9	62893	Mililani I Solar LLC	IPP	Mililiani South Solar Farm	HI	57242	2	39.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	39.0
2022	9	56990	NJR Clean Energy Ventures Corporation	IPP	Maybrook Solar, LLC	NY	65337	MAYBK	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2022	9	64433	Novel Bo Hu 1 Solar LLC	IPP	Novel Bo Hu 1 Solar LLC	MN	65006	BOHU1	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2022	9	62646	Painter Energy Storage, LLC	IPP	Painter Energy Storage	CA	62729	PAIN1	40.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	40.0
2022	9	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
2022	9	64371	RPNY Solar 3, LLC	IPP	Slayton Settlement Road Solar	NY	64867	SLYTA	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2022	9	64371	RPNY Solar 3, LLC	IPP	Slayton Settlement Road Solar	NY	64867	SLYTB	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2022	9	63257	Solar Carver 1, LLC	IPP	Solar Carver 1 Hybrid	MA	63541	BCRV1	2.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	2.0
2022	9	63257	Solar Carver 1, LLC	IPP	Solar Carver 1 Hybrid	MA	63541	SCRV1	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2022	9	63243	Solar Carver 3, LLC	IPP	Solar Carver 3 Hybrid	MA	63506	BCRV3	1.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	1.0
2022	9	63243	Solar Carver 3, LLC	IPP	Solar Carver 3 Hybrid	MA	63506	SCRV3	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2022	9	62744	St. James Solar, LLC	IPP	St. James Solar (LA)	LA	62854	SJS	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2022	9	64762	USS Mesa Solar LLC	IPP	USS Mesa Solar LLC	MN	65442	USSMS	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2022	9	64764	USS Verbena Solar LLC	IPP	USS Verbena Solar LLC	MN	65444	USSVS	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2022	9	64474	Waiawa Solar Power LLC	IPP	Waiawa Solar Power Hybrid	HI	65058	WAIBA	36.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	36.0
2022	9	64474	Waiawa Solar Power LLC	IPP	Waiawa Solar Power Hybrid	HI	65058	WAIPV	36.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	36.0
2022	9	20856	Wisconsin Power & Light Co	Electric Utility	Bear Creek	WI	65009	PV1	50.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	50.0
2022	9	20856	Wisconsin Power & Light Co	Electric Utility	Wood County	WI	65011	PV1	150.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	150.0
2022	10	61477	325MK 8me LLC	IPP	Eagle Shadow Mountain Solar Farm	NV	61852	ESMSF	300.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	300.0
2022	10	64532	ASA Clayton NY Solar I LLC	IPP	ASA Clayton NY Solar I LLC	NY	65161	CLA1	1.3	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	1.3
2022	10	64527	ASA DeKalb NY Solar I LLC	IPP	ASA DeKalb NY Solar I LLC	NY	65156	DEK1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2022	10	64526	ASA DeKalb NY Solar II LLC	IPP	ASA DeKalb NY Solar II LLC	NY	65155	DEK2	3.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.0
2022	10	64484	ASA DeKalb NY Solar III LLC	IPP	ASA DeKalb NY Solar III LLC	NY	65067	DEK3	3.3	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.3
2022	10	64529	ASA Gouverneur NY Solar I LLC	IPP	ASA Gouverneur NY Solar I LLC	NY	65157	GOV1	1.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	1.5
2022	10	64530	ASA Gouverneur NY Solar II LLC	IPP	ASA Gouverneur NY Solar II LLC	NY	65158	GOV2	4.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.0
2022	10	64531	ASA Volney NY Solar I LLC	IPP	ASA Volney NY Solar I LLC	NY	65159	VOL1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2022	10	64722	Allie L.L.C.	IPP	Allie L.L.C.	MN	65381	PAPE	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2022	10	64144	Arlington Energy Center II	IPP	Arlington Energy Center II	CA	64481	AEC2	133.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	133.0
2022	10	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
2022	10	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
2022	10	63575	Bluegrass Solar, LLC	IPP	Bluegrass Solar	MD	63910	BGS	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2022	10	58939	Cameron Wind 1 LLC	IPP	Cameron Wind 1 LLC	TX	59118	SABAL	24.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	24.0
2022	10	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
2022	10	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
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	5248	Dominion Energy Inc	Electric Utility	Dry Bridge Storage	VA	65044	DBES	20.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	20.0
2022	10	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
2022	10	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
2022	10	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
2022	10	64306	Elektron Solar, LLC	IPP	Elektron Solar, LLC	UT	64739	ELKS	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2022	10	6395	Flathead Electric Coop Inc	Electric Utility	Flathead Landfill to Gas Energy Facility	MT	64505	LFGE2	1.6	Landfill Gas	LFG	IC	(L) Regulatory approvals pending. Not under construction	1.6
2022	10	61194	Generate Capital	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
2022	10	61194	Generate Capital	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
2022	10	61194	Generate Capital	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
2022	10	62806	Guernsey Power Station LLC	IPP	Guernsey Power Station	OH	62949	GPS1	612.0	Natural Gas Fired Combined Cycle	NG	CS	(U) Under construction, less than or equal to 50 percent complete	685.0
2022	10	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Bair	PA	65076	PACT1	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2022	10	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Hokes 2	PA	65082	PACT8	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
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	63216	North Valley	IPP	North Valley	NV	63491	OEC1	25.0	Geothermal	GEO	BT	(L) Regulatory approvals pending. Not under construction	37.0
2022	10	64443	Novel Brock Solar LLC	IPP	Novel Brock Solar LLC	MN	65024	BROCK	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2022	10	64444	Novel Swenson Solar LLC	IPP	Novel Swenson Solar LLC	MN	65025	SWNSN	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2022	10	64513	RE Crimson LLC	IPP	Crimson	CA	65140	SWSH2	150.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	150.0
2022	10	64360	SR Clay, LLC	IPP	SR Clay, LLC	GA	64838	CLAY	106.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	106.0
2022	10	64363	SR Turkey Creek, LLC	IPP	SR Turkey Creek, LLC	KY	64842	SRTC	50.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	50.0
2022	10	21554	Seminole Electric Cooperative Inc	Electric Utility	Seminole (FL)	FL	136	CT1	351.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	384.2
2022	10	21554	Seminole Electric Cooperative Inc	Electric Utility	Seminole (FL)	FL	136	CT2	351.0	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	384.2
2022	10	21554	Seminole Electric Cooperative Inc	Electric Utility	Seminole (FL)	FL	136	ST	397.4	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	414.8

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	10	64481	TC Solar RCE LLC	IPP	TC Solar RCE	MN	65065	CGS	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2022	10	64281	Thigpen Solar, LLC	IPP	Thigpen Farms Solar, LLC	NC	60850	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2022	10	64763	USS Wells Creek Solar LLC	IPP	USS Wells Creek Solar LLC	MN	65443	USSWC	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2022	10	19664	University of Washington	Commercial	University of Washington Power Plant	WA	54809	DRUPS	2.0	Petroleum Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction	2.0
2022	10	20856	Wisconsin Power & Light Co	Electric Utility	Crawfish River	WI	65012	PV1	75.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	75.0
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	59496	Allete Clean Energy	IPP	Red Barn Energy	WI	65282	WT	91.6	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	91.6
2022	11	62921	Arroyo Solar LLC	IPP	Arroyo Solar Energy Storage Hybrid	NM	63172	ARSOL	300.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	300.0
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	64459	Blythe Mesa Solar II, LLC	IPP	Blythe Mesa Solar II	CA	65053	BMSES	112.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	112.0
2022	11	64459	Blythe Mesa Solar II, LLC	IPP	Blythe Mesa Solar II	CA	65053	IPBMS	223.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	223.6
2022	11	56310	Boise White Paper LLC	Industrial	Packaging Corporation of America Jackson Mill	AL	55044	STG2	26.8	Natural Gas Steam Turbine	NG	ST	(U) Under construction, less than or equal to 50 percent complete	28.8
2022	11	64669	CPV Maple Hill Solar, LLC	IPP	CPV Maple Hill Solar	PA	65332	MH1	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
2022	11	64438	Enel Green Power Roseland Solar, LLC	IPP	Roseland Solar Project, LLC	TX	65028	ROSEB	59.1	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	59.1
2022	11	60025	Greenbacker Renewable Energy Corporation	IPP	Fall River Solar, LLC	SD	64968	452	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2022	11	62806	Guernsey Power Station LLC	IPP	Guernsey Power Station	OH	62949	GPS2	612.0	Natural Gas Fired Combined Cycle	NG	CS	(U) Under construction, less than or equal to 50 percent complete	685.0
2022	11	62153	Hecate Energy Highland LLC	IPP	Hecate Energy Highland LLC	OH	62670	HIGHL	300.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	300.0
2022	11	63638	Horseshoe Solar, LLC	IPP	Horseshoe Solar, LLC	UT	63984	HSS	75.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	75.0
2022	11	64370	IP Radian, LLC	IPP	IP Radian, LLC	TX	64859	IPRAD	300.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	300.0
2022	11	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
2022	11	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
2022	11	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	11	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Happy Solar 1	AR	63766	ARHA1	95.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	95.0
2022	11	64528	Lily Garden LLC	IPP	Lily Garden	MN	65160	CSG	1.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.0
2022	11	56990	NJR Clean Energy Ventures Corporation	IPP	Howard Lane Solar	RI	65386	HOWRD	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2022	11	64549	Phare Garden LLC	IPP	Phare Garden	MN	65223	CGS	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2022	11	56215	RWE Renewables Americas LLC	IPP	Big Star Solar, LLC (Hybrid)	TX	64202	BGSTB	80.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	80.0
2022	11	56215	RWE Renewables Americas LLC	IPP	Big Star Solar, LLC (Hybrid)	TX	64202	BGSTS	200.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	200.0
2022	11	63639	Rocket Solar, LLC	IPP	Rocket Solar, LLC	UT	63983	RS	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2022	11	64740	Santa Paula Energy Storage, LLC	IPP	Santa Paula Energy Storage LLC	CA	65397	SP1	30.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	30.0
2022	11	60531	Standard Solar	IPP	Klees Mill CSG	MD	65356	KLEES	2.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.0
2022	11	64760	USS Catfish Solar LLC	IPP	USS Catfish Solar LLC	MN	65440	USSCF	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2022	11	64759	USS Franklin Solar LLC	IPP	USS Franklin Solar LLC	MN	65439	USSFS	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2022	11	62048	Westlands Almond LLC	IPP	Almond	CA	62546	ALMND	19.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	19.9
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	61012	AES Distributed Energy	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	61012	AES Distributed Energy	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	61012	AES Distributed Energy	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	61012	AES Distributed Energy	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	64446	ASD Cotuit MA Solar LLC	IPP	ASD Cotuit MA Solar LLC	MA	65014	COT1	3.1	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.1
2022	12	64446	ASD Cotuit MA Solar LLC	IPP	ASD Cotuit MA Solar LLC	MA	65014	COT1B	2.5	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	2.5
2022	12	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
2022	12	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
2022	12	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
2022	12	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
2022	12	61514	Agilitas Energy, LLC	IPP	Ocean State BTM	RI	64760	MESS	3.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	3.0
2022	12	63494	Allora Solar, LLC	IPP	Allora Solar, LLC	SC	63808	PGR30	75.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	75.0
2022	12	64615	Antares Group Inc	IPP	Elm Spring Solar 1	VA	65313	ES	3.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	3.0
2022	12	64615	Antares Group Inc	IPP	Shenvalee Solar	VA	65312	SV	3.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	3.0
2022	12	63803	Apex Solar LLC	IPP	Rattlesnake Solar	MT	64189	RSNAK	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2022	12	64655	Appaloosa Run Wind, LLC	IPP	Appaloosa Run Wind	TX	65335	WAPPA	171.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	171.8
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	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	64199	Arlington Energy Center III	IPP	Arlington Energy Center III	CA	64564	AEC3	131.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	131.0
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	61711	Ashley Solar (SC)	IPP	Ashley Solar (SC)	SC	62179	21	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2022	12	15399	Avangrid Renewables LLC	IPP	Bakeoven Solar	OR	63507	BOS1	60.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	60.0
2022	12	15399	Avangrid Renewables LLC	IPP	Midland Wind	IL	63003	1	105.5	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	105.5
2022	12	64757	BT Cunningham Storage, LLC	IPP	Cunningham Storage	TX	65410	SPUT	190.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	190.0
2022	12	61714	Battle Solar	IPP	Battle Solar	SC	62182	24	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2022	12	63421	Biggs Ford Solar Center, LLC	IPP	Biggs Ford Solar Center	MD	61321	BFSC	15.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	15.0
2022	12	64138	Birch Creek Development, LLC (NC)	IPP	Friesian Holdings	NC	60692	PV1	75.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	75.0
2022	12	61717	Birch Solar	IPP	Birch Solar	SC	62185	27	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2022	12	63883	Broad Reach Power	IPP	Cascade Energy Storage, LLC	CA	61801	10002	25.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	25.0
2022	12	64505	Cabin Creek Solar, LLC	IPP	Cabin Creek Solar, LLC	NC	65107	PGR34	70.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	70.2
2022	12	64542	Caden Energix Endless Caverns, LLC	IPP	Caden Energix Endless Caverns, LLC	VA	65219	ENX16	31.4	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	31.4
2022	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
2022	12	4226	Consolidated Edison Co-NY Inc	Electric Utility	Fox Hills Battery Station	NY	65035	ESSFH	7.5	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	7.5
2022	12	56769	Consolidated Edison Development Inc.	IPP	Acushnet MA 1	MA	64706	ACNT1	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2022	12	56769	Consolidated Edison Development Inc.	IPP	Acushnet MA 2	MA	64707	ACNT2	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
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	56769	Consolidated Edison Development Inc.	IPP	Gorham ME 1	ME	64703	GOR1	4.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.8
2022	12	56769	Consolidated Edison Development Inc.	IPP	Lincoln ME 1	ME	64704	LIN1	4.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.9
2022	12	64365	Daggett Solar Power 3 LLC	IPP	Daggett 3	CA	64852	DAGGB	144.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	144.0

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2022	12	64365	Daggett Solar Power 3 LLC	IPP	Daggett 3	CA	64852	DAGGP	300.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	300.0
2022	12	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
2022	12	3046	Duke Energy Progress - (NC)	Electric Utility	Riverside BESS	NC	65126	ES1	5.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	5.0
2022	12	61785	EDP Renewables North America LLC	IPP	Scarlet Solar (CA)	CA	64908	GEN01	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	400.0
2022	12	61785	EDP Renewables North America LLC	IPP	Scarlet Solar (CA)	CA	64908	GEN02	40.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	40.0
2022	12	62760	EDPR CA Solar Park VI LLC	IPP	EDPR CA Solar Park VI LLC (CA) Hybrid	CA	62892	SONR2	40.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	40.0
2022	12	62760	EDPR CA Solar Park VI LLC	IPP	EDPR CA Solar Park VI LLC (CA) Hybrid	CA	62892	SONRI	200.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	201.0
2022	12	64609	ENGIE Solidago Solar LLC	IPP	ENGIE Solidago Solar Project - Hybrid	DE	65304	SOLAR	50.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	50.0
2022	12	58970	Ecoplexus, Inc	IPP	E Nash PV1	NC	60002	NASH1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2022	12	58970	Ecoplexus, Inc	IPP	East Nash PV2	NC	63789	ENSH2	26.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	26.0
2022	12	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	12	58970	Ecoplexus, Inc	IPP	Olin Creek Farm Solar	NC	64626	OLINC	35.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	35.0
2022	12	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	12	58135	Ecos Energy LLC	IPP	Weybridge 1 Solar	VT	61038	WEY1	3.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	3.0
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	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	Windhub Solar B, LLC	CA	59969	GEN01	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2022	12	62856	Forefront Power, LLC	IPP	MD - CS - Potomac Edison Co - GA25 TPE	MD	65339	19002	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2022	12	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	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
2022	12	61166	Green Power Energy LLC	IPP	Cody Road Wind Farm	NY	61592	WT2	2.4	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	2.4
2022	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
2022	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
2022	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
2022	12	60025	Greenbacker Renewable Energy Corporation	IPP	MTSUN	MT	64032	MTSUN	80.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	80.0
2022	12	62806	Guernsey Power Station LLC	IPP	Guernsey Power Station	OH	62949	GPS3	612.0	Natural Gas Fired Combined Cycle	NG	CS	(U) Under construction, less than or equal to 50 percent complete	685.0
2022	12	62008	Hale Kuawehi Solar LLC	IPP	Hale Kuawehi Solar Hybrid	HI	62529	HKBA	30.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	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	64409	Hecate Energy Ramsey , LLC	IPP	Aktina Solar	TX	64927	AKS01	500.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	500.0
2022	12	64559	Hunter Solar, LLC	IPP	Hunter Solar, LLC (CO)	CO	65231	HCO	75.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	75.0
2022	12	9234	Indiana Municipal Power Agency	Electric Utility	Richmond 6	IN	64252	RICH6	5.1	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.1
2022	12	49893	Invenergy Services LLC	IPP	Invenergy Nelson Expansion LLC	IL	60387	GEN3	157.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	190.0
2022	12	49893	Invenergy Services LLC	IPP	Invenergy Nelson Expansion LLC	IL	60387	GEN4	157.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	190.0
2022	12	49893	Invenergy Services LLC	IPP	Sapphire Sky Wind Energy LLC	IL	65316	65011	259.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	259.8
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	64533	Lacy Creek Windpower, LLC	IPP	Lacy Creek Wind Energy Center	TX	65162	LCW1	301.3	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	301.3
2022	12	61421	LeGore Bridge Solar Center, LLC	IPP	LeGore Bridge Solar Center	MD	61796	LGBSC	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2022	12	64735	Ledyard Windpower, LLC	IPP	Ledyard Windpower, LLC	IA	65390	LDYRD	200.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	207.0
2022	12	50123	Leeward Asset Management, LLC	IPP	Chaparral Springs	CA	64864	CHAPB	50.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	50.0
2022	12	50123	Leeward Asset Management, LLC	IPP	Chaparral Springs	CA	64864	CHAPS	250.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	250.0
2022	12	50123	Leeward Asset Management, LLC	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	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Liberty	PA	65078	PACT3	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2022	12	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Penn	PA	65081	PACT6	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2022	12	64611	Limestone Wind Project, LLC	IPP	Limestone Wind Project	TX	65306	LIMEW	299.2	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	299.2
2022	12	12320	Merck & Co Inc	Industrial	Elkton	VA	52148	GEN8	2.0	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	2.0
2022	12	63427	Neptune Energy Center, LLC	IPP	Neptune Energy Center Hybrid	CO	63731	NT125	125.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	125.0
2022	12	63427	Neptune Energy Center, LLC	IPP	Neptune Energy Center Hybrid	CO	63731	NT325	250.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	250.0
2022	12	64358	New Market Solar	IPP	New Market Solar	OH	64853	NMS1	65.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	65.0
2022	12	64260	Nextera Energy Resources	IPP	Great Prairie Wind	TX	64665	GR01	358.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	358.0
2022	12	64260	Nextera Energy Resources	IPP	Great Prairie Wind 2	TX	64666	GP03	210.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	210.0
2022	12	64260	Nextera Energy Resources	IPP	Great Prairie Wind 3	TX	64667	GP03	299.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	299.0
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	64086	OE_ALD	IPP	OE_ALD	AL	64469	OEALD	80.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	80.0
2022	12	64581	OE_FL10	IPP	OE_FL10	FL	65290	OFL10	74.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	74.9
2022	12	64087	OE_MS5	IPP	OE_MS5	MS	64529	MS5_S	50.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	50.0
2022	12	64087	OE_MS5	IPP	OE_MS5	MS	64529	OEMS5	200.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	200.0
2022	12	64084	OE_TN1	IPP	OETN1	TN	64507	OEALD	100.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	100.0
2022	12	64504	Phobos Solar, LLC	IPP	Phobos Solar, LLC	NC	65106	PGR33	78.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	78.8
2022	12	63969	Placid Solar, LLC	IPP	Highland Solar North	FL	64345	1112	74.9	Solar Photovoltaic	SUN	PV	(OT) Other	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	64610	Powells Creek Farm Solar, LLC	IPP	Powells Creek Solar - Hybrid	VA	65305	SOLAR	70.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	70.0
2022	12	61069	RE Gaskell West LLC	IPP	RE Gaskell West 2 LLC	CA	61446	PV2	45.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	45.0
2022	12	61069	RE Gaskell West LLC	IPP	RE Gaskell West 3 LLC	CA	61447	PV3	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2022	12	61069	RE Gaskell West LLC	IPP	RE Gaskell West 4 LLC	CA	61448	PV4	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2022	12	61069	RE Gaskell West LLC	IPP	RE Gaskell West 5 LLC	CA	61449	PV5	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2022	12	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	12	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	12	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	12	56215	RWE Renewables Americas LLC	IPP	Mason Dixon Wind Farm	PA	60212	1	79.9	Onshore Wind Turbine	WND	WT	(OT) Other	79.9
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	64135	Resurgence Solar	IPP	Resurgence Solar	CA	64489	GEN1	138.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	138.0
2022	12	64135	Resurgence Solar	IPP	Resurgence Solar	CA	64489	GEN2	115.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	115.0
2022	12	64361	SR Cedar Springs, LLC	IPP	SR Cedar Springs, LLC	GA	64840	SRCS	70.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	70.0
2022	12	64362	SR DeSoto I, LLC	IPP	SR DeSoto I, LLC	GA	64841	SOTOI	165.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	165.0
2022	12	64607	Salt City Solar LLC	IPP	Salt City Solar Project - Hybrid	OH	65302	SOLAR	49.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	49.9
2022	12	59770	Shorthorn Holdings, LLC	IPP	Shorthorn Holdings	SC	60028	PV1	8.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	8.9
2022	12	17609	Southern California Edison Co	Electric Utility	DESI-1 Battery Energy Storage Facility	CA	60699	DESI1	2.4	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	2.4
2022	12	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
2022	12	64716	Springfield Solar	Electric Utility	Springfield Solar	VA	65317	SPRG	2.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	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	12	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
2022	12	64608	Sun Valley Solar LLC	IPP	Sun Valley Solar Project	TX	65303	SUNS	250.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	250.0
2022	12	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	12	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	12	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	12	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	12	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	12	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	12	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	12	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	12	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	12	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	12	62698	SunEast Skyline Solar LLC	IPP	SunEast Skyline Solar Project	NY	62816	Q670	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2022	12	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	12	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	12	62756	SunEast Watkins Road Solar LLC	IPP	SunEast Watkins Road Solar Project	NY	62896	Q586	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2022	12	64612	Sunnybrook Farm Solar, LLC	IPP	Sunnybrook Solar Project - Hybrid	VA	65307	SUNS	51.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	51.0
2022	12	60947	Tesla Inc.	Industrial	Austin TX GigaFactory	TX	65070	A04	1.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.9
2022	12	60947	Tesla Inc.	Industrial	Austin TX GigaFactory	TX	65070	B05	1.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.9
2022	12	60947	Tesla Inc.	Industrial	Austin TX GigaFactory	TX	65070	B07	1.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.9
2022	12	60947	Tesla Inc.	Industrial	Austin TX GigaFactory	TX	65070	C01	1.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.9
2022	12	60947	Tesla Inc.	Industrial	Austin TX GigaFactory	TX	65070	C02	1.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.9
2022	12	60947	Tesla Inc.	Industrial	Tesla Reno GigaFactory	NV	64098	RD	2.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.4
2022	12	60947	Tesla Inc.	Industrial	Tesla Reno GigaFactory	NV	64098	RDP	2.8	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.8
2022	12	60947	Tesla Inc.	Industrial	Tesla Reno GigaFactory	NV	64098	RE	2.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.4
2022	12	60947	Tesla Inc.	Industrial	Tesla Reno GigaFactory	NV	64098	REP	2.8	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.8
2022	12	63454	Thunder Wolf Energy Center, LLC	IPP	Thunder Wolf Energy Center Hybrid	CO	63776	TW100	100.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	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	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	12	64457	VCP, LLC d/b/a Verogy	IPP	Dollar Tree Solar One	CT	65148	VCP13	2.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.0
2022	12	64457	VCP, LLC d/b/a Verogy	IPP	FedEx Middletown	CT	65046	VCP15	2.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.0
2022	12	64545	Vesper Energy Development LLC	IPP	Nestlewood Solar	OH	65215	NSTLW	80.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	80.0
2022	12	61863	Washington Solar (SC)	IPP	Washington Solar (SC)	SC	62342	87	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2022	12	61864	Washington Solar II (SC)	IPP	Washington Solar II (SC)	SC	62344	88	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2022	12	64547	Waverly Solar, LLC	IPP	Waverly Solar, LLC	VA	65225	ENX17	118.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	118.0
2022	12	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	12	64349	Yellowbud Solar LLC	IPP	Yellowbud Solar, LLC	OH	64832	YELLO	274.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	274.0
2023	1	61012	AES Distributed Energy	IPP	Cement City Solar, LLC	MI	64567	CMCTY	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2023	1	57416	Acciona Energy USA Global, LLC	IPP	Fort Bend Solar LLC	TX	63985	FBS	240.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	240.0
2023	1	57416	Acciona Energy USA Global, LLC	IPP	High Point Solar LLC	IL	63838	HPS	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
2023	1	3989	City of Colorado Springs - (CO)	Electric Utility	Martin Drake	CO	492	A1	27.3	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	40.6
2023	1	3989	City of Colorado Springs - (CO)	Electric Utility	Martin Drake	CO	492	A2	27.3	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	40.6
2023	1	56769	Consolidated Edison Development Inc.	IPP	Pleasant Hill Solar	VA	65220	PHSPV	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2023	1	56769	Consolidated Edison Development Inc.	IPP	Watlington Solar	VA	65221	WSPV	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2023	1	58468	Dominion Renewable Energy	IPP	Otter Creek Solar	VA	63909	OTTER	60.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	60.0
2023	1	6455	Duke Energy Florida, LLC	Electric Utility	Bay Ranch Solar Power Plant	FL	65171	PV1	74.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	74.9
2023	1	6455	Duke Energy Florida, LLC	Electric Utility	Hardeetown Solar Power Plant	FL	65173	PV1	74.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	74.9
2023	1	6455	Duke Energy Florida, LLC	Electric Utility	Hildreth Solar Power Plant	FL	65170	PV1	74.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	74.9
2023	1	6452	Florida Power & Light Co	Electric Utility	Anhinga Solar Energy Center	FL	65431	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2023	1	6452	Florida Power & Light Co	Electric Utility	Apalachee	FL	65432	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2023	1	6452	Florida Power & Light Co	Electric Utility	Blackwater River Solar Energy Center	FL	65433	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2023	1	6452	Florida Power & Light Co	Electric Utility	Bluefield Preserve Solar	FL	65420	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2023	1	6452	Florida Power & Light Co	Electric Utility	Chautauqua Solar Energy Center	FL	65421	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2023	1	6452	Florida Power & Light Co	Electric Utility	Everglades Solar Energy Center	FL	65423	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2023	1	6452	Florida Power & Light Co	Electric Utility	FPL Chipola River Solar Energy Center	FL	65422	1	74.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	74.5
2023	1	6452	Florida Power & Light Co	Electric Utility	FPL Flowers Creek Solar Energy Center	FL	65427	1	74.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	74.5
2023	1	6452	Florida Power & Light Co	Electric Utility	FPL Shirer Branch Solar Energy Center	FL	65429	1	74.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	74.5
2023	1	6452	Florida Power & Light Co	Electric Utility	First City Solar Energy Center	FL	65424	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2023	1	6452	Florida Power & Light Co	Electric Utility	Pink Trial Solar Energy Center	FL	65428	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2023	1	6452	Florida Power & Light Co	Electric Utility	Wild Azalea Solar Energy Center	FL	65430	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2023	1	12320	Merck & Co Inc	Industrial	Elkton	VA	52148	GEN9	2.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.5
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	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
2023	1	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
2023	1	63275	Samoset Solar, LLC	IPP	Samoset Solar	ME	63551	PGR21	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2023	1	18454	Tampa Electric Co	Electric Utility	Big Bend	FL	645	BBST1	335.0	Natural Gas Steam Turbine	NG	ST	(V) Under construction, more than 50 percent complete	445.5
2023	1	60947	Tesla Inc.	IPP	Berrenda Mesa Water District	CA	65073	PV1	6.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	6.4
2023	1	20856	Wisconsin Power & Light Co	Electric Utility	North Rock	WI	65010	PV1	50.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	50.0
2023	2	3989	City of Colorado Springs - (CO)	Electric Utility	Martin Drake	CO	492	A3	27.3	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	40.6
2023	2	3989	City of Colorado Springs - (CO)	Electric Utility	Martin Drake	CO	492	A4	27.3	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	40.6
2023	2	3989	City of Colorado Springs - (CO)	Electric Utility	Martin Drake	CO	492	A5	27.3	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	40.6
2023	2	3989	City of Colorado Springs - (CO)	Electric Utility	Martin Drake	CO	492	A6	27.3	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	40.6
2023	2	64523	Deptford Solar One, LLC	IPP	Deptford Solar One	NJ	65147	VCP01	3.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	3.0
2023	2	64458	Enfield Solar One, LLC	IPP	Enfield Solar One	CT	65047	VCP07	4.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.0
2023	2	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Bellflower Solar 1	IN	65031	INBF1	152.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	152.5
2023	2	64477	Meriden Solar One, LLC	IPP	Meriden Solar One	CT	65061	VCP08	1.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.0
2023	2	64480	Millstone Solar One, LLC	IPP	Millstone Solar One	NJ	65064	VCP03	2.8	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.8
2023	2	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
2023	2	63082	ProEnergy Services	IPP	Mark One Power Station	TX	65372	CTG-1	44.6	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	60.5
2023	2	6775	Village of Freeport - (NY)	Electric Utility	Plant No 1 Freeport	NY	2678	ENG13	3.0	Landfill Gas	LFG	IC	(U) Under construction, less than or equal to 50 percent complete	3.0
2023	3	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
2023	3	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

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	3	15399	Avangrid Renewables LLC	IPP	Daybreak Solar	OR	64974	DBS1	140.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	140.0
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	59656	Desert Quartzite LLC	IPP	Desert Quartzite	CA	59871	GEN01	480.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	480.0
2023	3	6455	Duke Energy Florida, LLC	Electric Utility	High Springs Solar Power Plant	FL	65172	PV1	74.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	74.9
2023	3	64672	Gorham Solar 1, LLC	IPP	Gorham Solar 1, LLC	ME	65342	GS1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2023	3	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
2023	3	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
2023	3	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
2023	3	64406	NextEra Energy Garrison Butte Wind, LLC	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	14232	Otter Tail Power Co	IPP	Hoot Lake Solar	MN	65066	1	49.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	49.9
2023	3	63082	ProEnergy Services	IPP	Brotman Power Station	TX	65373	CTG-3	44.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2023	3	63082	ProEnergy Services	IPP	Mark One Power Station	TX	65372	CTG-2	44.6	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	60.5
2023	3	63082	ProEnergy Services	IPP	Mark One Power Station	TX	65372	CTG-3	44.6	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	60.5
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	3	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
2023	3	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
2023	3	61950	Terra-Gen Operating Co-Solar	IPP	SEGS VIII	CA	10444	LOC1	80.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	80.0
2023	3	64354	Wilkes Solar, LLC	IPP	Wilkes Solar, LLC	NC	64850	WS	75.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	75.0
2023	3	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
2023	4	64247	20SD 8me LLC	IPP	Rexford Solar Farm	CA	64633	20SD8	300.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	300.0
2023	4	64247	20SD 8me LLC	IPP	Rexford Solar Farm	CA	64633	20SDB	300.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	300.0
2023	4	64348	ASD Three Rivers Road MA Solar LLC	IPP	Three Rivers Solar LLC	MA	64844	TRB	1.4	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	1.4
2023	4	64348	ASD Three Rivers Road MA Solar LLC	IPP	Three Rivers Solar LLC	MA	64844	TRS	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2023	4	57416	Acciona Energy USA Global, LLC	IPP	AEUG Madison Solar, LLC	KY	64659	AMS	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
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	62091	Derby Fuel Cell LLC	IPP	Derby Fuel Cell	CT	62588	MM45	2.8	Other Natural Gas	NG	FC	(U) Under construction, less than or equal to 50 percent complete	2.8
2023	4	62091	Derby Fuel Cell LLC	IPP	Derby Fuel Cell	CT	62588	MM46	2.8	Other Natural Gas	NG	FC	(U) Under construction, less than or equal to 50 percent complete	2.8
2023	4	62091	Derby Fuel Cell LLC	IPP	Derby Fuel Cell	CT	62588	MM47	2.8	Other Natural Gas	NG	FC	(U) Under construction, less than or equal to 50 percent complete	2.8
2023	4	62091	Derby Fuel Cell LLC	IPP	Derby Fuel Cell	CT	62588	MM48	2.8	Other Natural Gas	NG	FC	(U) Under construction, less than or equal to 50 percent complete	2.8
2023	4	62091	Derby Fuel Cell LLC	IPP	Derby Fuel Cell	CT	62588	MM49	2.8	Other Natural Gas	NG	FC	(U) Under construction, less than or equal to 50 percent complete	2.8
2023	4	64520	Energix Aditya, LLC	IPP	Energix Aditya, LLC	VA	65151	ENX13	11.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	11.5
2023	4	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
2023	4	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
2023	4	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
2023	4	19664	University of Washington	Commercial	University of Washington Power Plant	WA	54809	TG3	3.0	Natural Gas Steam Turbine	NG	ST	(L) Regulatory approvals pending. Not under construction	3.0
2023	5	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
2023	5	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
2023	5	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
2023	5	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
2023	5	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
2023	5	64475	CG Leon County II LLC	IPP	Pecan Prairie North Solar	TX	64999	CPNS1	360.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	360.0
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	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
2023	5	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	6	227.8	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	227.8
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	14127	Omaha Public Power District	Electric Utility	Standing Bear Lake	NE	64548	1	17.9	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	17.9
2023	5	14127	Omaha Public Power District	Electric Utility	Standing Bear Lake	NE	64548	2	17.9	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	17.9
2023	5	14127	Omaha Public Power District	Electric Utility	Standing Bear Lake	NE	64548	3	17.9	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	17.9
2023	5	14127	Omaha Public Power District	Electric Utility	Standing Bear Lake	NE	64548	4	17.9	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	17.9
2023	5	14127	Omaha Public Power District	Electric Utility	Standing Bear Lake	NE	64548	5	17.9	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	17.9
2023	5	14127	Omaha Public Power District	Electric Utility	Standing Bear Lake	NE	64548	6	17.9	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	17.9
2023	5	14127	Omaha Public Power District	Electric Utility	Standing Bear Lake	NE	64548	7	17.9	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	17.9
2023	5	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
2023	5	189	PowerSouth Energy Cooperative	Electric Utility	Lowman Energy Center	AL	56	LEC1	385.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	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	(U) Under construction, less than or equal to 50 percent complete	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	5	59056	Tri Global Energy, LLC	IPP	Canyon Wind Project, LLC	TX	60271	WT1	360.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	360.0
2023	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
2023	6	63826	201LC 8me LLC	IPP	Rockmont Solar and Storage Project	NM	64216	309SJ	30.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	30.0
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	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
2023	6	64244	92JT 8me, LLC	IPP	Big Rock Solar Farm	CA	64636	92JT8	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2023	6	57416	Acciona Energy USA Global, LLC	IPP	AEUG Fleming Solar, LLC	KY	64658	AFS	188.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	188.5
2023	6	61514	Agilitas Energy, LLC	IPP	AE-ESS NWS 1, LLC	NY	65239	NWS	4.9	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	5.0
2023	6	64172	Arevon Asset Management	IPP	Elliot Solar LLC	IN	64904	1	200.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	200.0
2023	6	64739	Black Walnut Energy Storage LLC	IPP	Black Walnut Energy Storage LLC	CA	65396	BW1	15.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	15.0
2023	6	64455	CG Wharton County LLC	IPP	Sandy Branch Solar	TX	65034	CSBS1	230.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	230.0
2023	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
2023	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
2023	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
2023	6	64364	Daggett Solar Power 2 LLC	IPP	Daggett 2	CA	64851	DAGGB	131.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	131.0
2023	6	64364	Daggett Solar Power 2 LLC	IPP	Daggett 2	CA	64851	DAGGP	182.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	182.0
2023	6	60688	FGE Goodnight, LLC	IPP	Goodnight	TX	59246	GOOD1	500.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	500.0
2023	6	64730	Flint Hills Resources Pine Bend, LLC	Industrial	Flint Hills Resources Pine Bend, LLC	MN	65405	SOLAR	45.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	45.0
2023	6	7140	Georgia Power Co	Electric Utility	Vogtle	GA	649	4	1,114.0	Nuclear	NUC	ST	(V) Under construction, more than 50 percent complete	1,114.0
2023	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
2023	6	64738	Hummingbird Energy Storage, LLC	IPP	Hummingbird Energy Storage LLC	CA	65395	HUMB1	75.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	75.0
2023	6	49893	Invenergy Services LLC	IPP	Delilah Solar Energy II LLC	TX	63884	GEN1	310.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	310.0

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	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	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
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	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
2023	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
2023	6	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
2023	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
2023	6	64230	Sanford ESS, LLC	IPP	Sanford ESS, LLC	ME	64615	1	5.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	5.0
2023	6	64233	South Portland ESS, LLC	IPP	South Portland ESS, LLC	ME	64616	1	10.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	10.0
2023	6	20856	Wisconsin Power & Light Co	Electric Utility	Springfield Solar (WI)	WI	64996	PV1	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
2023	7	60797	68SF 8me LLC	IPP	Eland Solar & Storage Center, Phase 1 Hybrid	CA	61168	61168	150.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	150.0
2023	7	60797	68SF 8me LLC	IPP	Eland Solar & Storage Center, Phase 1 Hybrid	CA	61168	68SF8	200.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	200.0
2023	7	64410	CG Leon County LLC	IPP	Pecan Prairie South Solar	TX	64981	CPSS1	135.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	135.0
2023	7	54803	Dynegy Oakland, LLC	IPP	Dynegy Oakland Power Plant	CA	6211	GEN4	43.3	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	43.3
2023	7	63082	ProEnergy Services	IPP	Brotman Power Station	TX	65373	CTG-1	44.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2023	7	63082	ProEnergy Services	IPP	Brotman Power Station	TX	65373	CTG-2	44.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2023	8	55963	AE Power Services LLC	IPP	Arche Energy Project, LLC	OH	65402	ARCHE	107.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	107.0
2023	8	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
2023	8	63526	Chestnut Westside, LLC	IPP	Chestnut	CA	63849	CHNUT	150.6	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	150.6
2023	8	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
2023	8	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
2023	8	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
2023	8	20856	Wisconsin Power & Light Co	Electric Utility	Onion River	WI	65008	PV1	150.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	150.0
2023	9	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
2023	9	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
2023	9	57416	Acciona Energy USA Global, LLC	IPP	AEUG Union Solar, LLC	OH	64660	AUS	325.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	325.0
2023	9	64496	Atlanta Farms Solar Project, LLC	IPP	Atlanta Farms Solar	OH	65128	43164	199.6	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	199.6
2023	9	64356	Bedington Energy Facility, LLC	IPP	Bedington Energy Facility, LLC	WV	64848	BEF1	50.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	50.0
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	64074	Freepoint Solar LLC	IPP	Woodville Solar	RI	64530	1	4.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.5
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	9	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
2023	9	14127	Omaha Public Power District	Electric Utility	Turtle Creek	NE	64547	1	237.5	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	237.5
2023	9	14127	Omaha Public Power District	Electric Utility	Turtle Creek	NE	64547	2	237.5	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	237.5
2023	9	62036	Paeahu Solar LLC	IPP	Paeahu Solar Hybrid	HI	62534	PHBA	15.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	15.0
2023	9	62036	Paeahu Solar LLC	IPP	Paeahu Solar Hybrid	HI	62534	PHSOL	15.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	15.0
2023	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
2023	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
2023	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
2023	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
2023	9	64715	Quillwort Solar	Electric Utility	Quillwort Solar	VA	65318	POWI	18.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	18.0
2023	9	64713	Sebera Solar	Electric Utility	Sebera Solar	VA	65320	SEBE	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2023	9	20856	Wisconsin Power & Light Co	Electric Utility	Cassville Solar	WI	64995	PV1	50.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	50.0
2023	9	64109	Wythe County Solar Project, LLC	IPP	Wythe County Solar	VA	64448	GEN1	75.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	75.0
2023	10	61514	Agilitas Energy, LLC	IPP	Manorville II	NY	64758	MAN	0.6	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	0.6
2023	10	61514	Agilitas Energy, LLC	IPP	Manorville II	NY	64758	MANB	0.8	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	0.8
2023	10	61514	Agilitas Energy, LLC	IPP	Patchogue ESS	NY	64761	PAT	2.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	2.0
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	64217	Bald Mountain Solar LLC	IPP	Bald Mountain Solar	NY	64598	GEN1	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2023	10	5248	Dominion Energy Inc	Electric Utility	Dulles Solar and Storage	VA	65043	DUST	50.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	50.0
2023	10	7140	Georgia Power Co	Electric Utility	Mossy Branch Battery Facility	GA	65018	BESS	65.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	65.0
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	64164	Noosa Energy Storage LLC	IPP	Noosa Energy Storage LLC	CA	64531	KOV4A	99.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	99.0
2023	10	64351	Roxbury Solar, LLC	IPP	Roxbury Solar, LLC	ME	64834	ROX	55.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	55.0
2023	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
2023	10	64691	West Baldwin Solar Station LLC	IPP	West Baldwin Solar Station	ME	65371	WBSS	17.1	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	17.1
2023	10	20856	Wisconsin Power & Light Co	Electric Utility	Wautoma Solar	WI	65000	PV1	99.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	99.0
2023	11	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
2023	11	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
2023	11	60798	69SV 8me LLC	IPP	Eland Solar & Storage Center, Phase 2 Hybrid	CA	61169	61169	150.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	150.0
2023	11	60798	69SV 8me LLC	IPP	Eland Solar & Storage Center, Phase 2 Hybrid	CA	61169	69SV8	200.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	200.0
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	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
2023	11	64248	Big Plain Solar, LLC	IPP	Big Plain Solar, LLC	OH	64635	GEN01	196.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	196.0
2023	11	64452	EDF Renewables Development, Inc.	IPP	Homer Solar Energy Center	NY	65052	HSEC	90.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	90.0
2023	11	64452	EDF Renewables Development, Inc.	IPP	Tracy Solar Energy Center	NY	65051	TSEC	119.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	119.0
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	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Ventress Solar 1	LA	65030	LAVE1	300.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	300.0
2023	11	64168	Tyre Bridge Solar LLC	IPP	Tyre Bridge Solar LLC	GA	64537	KOV4A	118.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	118.0
2023	11	63492	West River Solar, LLC	IPP	West River Solar, LLC	NC	63806	PGR28	40.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	40.0
2023	11	20856	Wisconsin Power & Light Co	Electric Utility	Grant County	WI	65007	PV1	200.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	200.0
2023	11	20856	Wisconsin Power & Light Co	Electric Utility	Paddock Solar	WI	64998	PV1	65.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	65.0
2023	11	64776	Wolf Pit Branch Solar, LLC	IPP	Wolf Pit Branch Solar, LLC	SC	65437	PGB38	15.5	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	15.5
2023	11	64776	Wolf Pit Branch Solar, LLC	IPP	Wolf Pit Branch Solar, LLC	SC	65437	PGR38	62.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	62.0

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	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
2023	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
2023	12	61222	174 Power Global Corp.	IPP	Black Hollow Sun, LLC	CO	64745	BHS01	150.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	150.0
2023	12	61222	174 Power Global Corp.	IPP	Boulder Solar III LLC	NV	65141	BS301	127.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	127.9
2023	12	61222	174 Power Global Corp.	IPP	Boulder Solar III LLC	NV	65141	BS3ES	58.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	58.0
2023	12	61222	174 Power Global Corp.	IPP	Turkey Creek Solar Project	CO	64744	TC001	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2023	12	64244	92JT 8me, LLC	IPP	Big Rock Solar Farm	CA	64636	92JTB	200.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	200.0
2023	12	61012	AES Distributed Energy	IPP	Platteview Solar LLC	NE	65334	PLTVW	81.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	81.0
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
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	64522	CAA CT Solar One, LLC	IPP	CT Airport Authority Solar One	CT	65146	VCP16	4.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.0
2023	12	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	12	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	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	64110	Calhoun County Solar Project, LLC	IPP	Calhoun County Solar Project	MI	64452	GEN1	125.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	125.0
2023	12	59365	Capital Power Corporation	IPP	Bear Branch Solar	NC	64168	GEN	35.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	35.0
2023	12	59365	Capital Power Corporation	IPP	Hornet Solar	NC	64167	GEN	75.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	75.0
2023	12	64624	Cedar Creek Wind, LLC	IPP	Cedar Creek Wind, LLC	ID	65311	CDCRK	160.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	160.0
2023	12	64186	Chuckwalla Solar, LLC	IPP	Chuckwalla Solar, LLC	NV	64558	CHW	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2023	12	64186	Chuckwalla Solar, LLC	IPP	Chuckwalla Solar, LLC	NV	64558	CHW1	180.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	180.0
2023	12	3913	City of Colby - (KS)	Electric Utility	Colby City of	KS	1272	10	3.0	Petroleum Liquids	DFO	IC	(P) Planned for installation, but regulatory approvals not initiated	3.0
2023	12	3913	City of Colby - (KS)	Electric Utility	Colby City of	KS	1272	11	3.0	Petroleum Liquids	DFO	IC	(P) Planned for installation, but regulatory approvals not initiated	3.0
2023	12	60609	Clean Focus Renewables, Inc.	IPP	Rugged Solar LLC	CA	57960	1	80.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	80.0
2023	12	64389	ConnectGen Chautauqua County LLC	IPP	South Ripley Solar	NY	64911	CSRB1	20.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	20.0
2023	12	64389	ConnectGen Chautauqua County LLC	IPP	South Ripley Solar	NY	64911	CSRS1	270.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	270.0
2023	12	64368	Dolores Canyon Solar LLC	IPP	Dolores Canyon Solar	CO	64858	C0497	110.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	110.0
2023	12	5248	Dominion Energy Inc	Electric Utility	Dulles Solar and Storage	VA	65043	DUSO	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
2023	12	5248	Dominion Energy Inc	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	64524	East Windsor Solar Two, LLC	IPP	East Windsor Solar Two	CT	65149	VCP05	4.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.0
2023	12	64525	Ellington Solar One, LLC	IPP	Ellington Solar One	CT	65150	VCP06	2.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.0
2023	12	64689	Emery Meadow Solar Station, LLC	IPP	Emery Meadow Solar Station	ME	65366	EMSS	16.4	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	16.4
2023	12	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
2023	12	64218	Greens Corners Solar	IPP	Greens Corners Solar	NY	64599	GEN1	120.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	120.0
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	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	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
2023	12	64476	Hope Solar One, LLC	IPP	Hope Solar One	RI	65060	VCP02	3.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	3.5
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	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
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	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	50123	Leeward Asset Management, LLC	IPP	Horizon Solar	TX	65308	HRZNS	200.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	200.0
2023	12	50123	Leeward Asset Management, LLC	IPP	Union Ridge Solar	OH	65338	UNIS1	108.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	108.0
2023	12	50123	Leeward Asset Management, LLC	IPP	Willow Spring Solar 3, LLC	CA	60325	WS3BA	36.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	36.0
2023	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
2023	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
2023	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
2023	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
2023	12	64478	Middletown Solar One, LLC	IPP	Middletown Solar One	CT	65062	VCP09	2.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.0
2023	12	64479	Middletown Solar Two, LLC	IPP	Middletown Solar Two	CT	65063	VCP10	1.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.9
2023	12	63467	Naturgy Candela DevCo LLC	IPP	Mark Center Solar Project	OH	65050	MRC1	110.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	110.0
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	13407	Nevada Power Co	Electric Utility	Iron Point Solar (Hybrid)	NV	65377	IPB	200.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	200.0
2023	12	13407	Nevada Power Co	Electric Utility	Iron Point Solar (Hybrid)	NV	65377	IPS	250.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	250.0
2023	12	64507	North Haven Solar One, LLC	IPP	North Haven Solar One	CT	65109	VCP11	1.6	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.6
2023	12	64583	OE_FL7	IPP	OE_FL7	FL	65292	OE_FL	74.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	74.9
2023	12	64584	OE_MS4	IPP	OE_MS4	MS	65293	OEMS4	96.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	96.0
2023	12	64582	OE_MS6	IPP	OE_MS6	MS	65291	MS6_S	50.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	50.0
2023	12	64582	OE_MS6	IPP	OE_MS6	MS	65291	OEMS6	150.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	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	14127	Omaha Public Power District	Electric Utility	Standing Bear Lake	NE	64548	8	18.0	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	18.1
2023	12	14127	Omaha Public Power District	Electric Utility	Standing Bear Lake	NE	64548	9	18.0	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	18.1
2023	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
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	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
2023	12	56215	RWE Renewables Americas LLC	IPP	Pinckard Solar	AL	62787	PCKND	79.7	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	85.1
2023	12	64587	Renegade Renewables, LLC	IPP	Renegade Solar Project (Dawn)	TX	65310	DAWN1	515.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	515.0
2023	12	64514	Royalston Solar One, LLC	IPP	Royalston Solar One	MA	65136	VCP04	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2023	12	64514	Royalston Solar One, LLC	IPP	Royalston Solar One	MA	65136	VCPS1	2.5	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	2.5

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2023	12	64387	Sandy Creek Solar LLC	IPP	Sandy Creek Solar	NY	64913	GEN1	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
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	18454	Tampa Electric Co	Electric Utility	Alafia Solar	FL	61653	PV1	50.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	50.0
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	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
2023	12	64457	VCP, LLC d/b/a Verogy	IPP	Emery Shute Solar One	ME	65045	VCP14	1.4	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.4
2023	12	64457	VCP, LLC d/b/a Verogy	IPP	Moodus Solar One	CT	65108	VCP17	2.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.0
2023	12	64457	VCP, LLC d/b/a Verogy	IPP	Spencer Drive Solar One	ME	65138	VCP18	2.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.0
2023	12	64457	VCP, LLC d/b/a Verogy	IPP	Woodstock Solar One	CT	65139	VCP19	3.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	3.0
2023	12	64515	Waterbury Solar One, LLC	IPP	Waterbury Solar One	CT	65137	VCP12	2.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.0
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	(T) Regulatory approvals received. 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
2023	12	20847	Wisconsin Electric Power Co	Electric Utility	Darien Solar	WI	64534	1	250.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	250.0
2023	12	20847	Wisconsin Electric Power Co	Electric Utility	Darien Solar	WI	64534	2	75.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	75.0
2023	12	20856	Wisconsin Power & Light Co	Electric Utility	Albany Solar (WI)	WI	64997	PV1	50.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	50.0
2023	12	20856	Wisconsin Power & Light Co	Electric Utility	Beaver Dam Solar	WI	65001	PV1	50.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	50.0
2024	1	64268	Black Rock Solar LLC	IPP	Black Rock Solar LLC	WA	64671	KOV4A	100.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. 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	IC8	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	5109	DTE Electric Company	Electric Utility	Wheeler Center Solar Park	MI	65327	WCTSP	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2024	1	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
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	1	64169	Prairie Solar LLC	IPP	Prairie Solar LLC	IL	64536	KOV4A	150.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	150.0
2024	1	15474	Public Service Co of Oklahoma	Electric Utility	Ft. Sill Energy Center	OK	64855	1	9.0	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	9.0
2024	1	15474	Public Service Co of Oklahoma	Electric Utility	Ft. Sill Energy Center	OK	64855	2	9.0	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	9.0
2024	1	15474	Public Service Co of Oklahoma	Electric Utility	Ft. Sill Energy Center	OK	64855	3	9.0	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	9.0
2024	1	15474	Public Service Co of Oklahoma	Electric Utility	Ft. Sill Energy Center	OK	64855	4	9.0	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	9.0
2024	2	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
2024	2	64741	Homestead Energy Storage, LLC	IPP	Homestead Energy Storage LLC	CA	65398	HMSD1	14.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	14.0
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	59365	Capital Power Corporation	IPP	Hunters Cove Solar	NC	64166	GEN	50.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	50.0
2024	3	58391	Chilocco Wind Farm LLC	IPP	Chilocco Wind Farm	OK	58406	1	200.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	200.0
2024	3	60971	NYC ENERGY LLC	IPP	NISA Electric Generation Project	NY	61331	BA1	79.9	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	79.9
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	3	64355	Solariant Capital, LLC	IPP	Wildcat Solar Power Plant LLC	NM	64849	WILDC	90.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	90.0
2024	3	64690	Topsham Meadow Solar Station LLC	IPP	Topsham Meadow Solar Station	ME	65369	TMSS	17.2	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	17.2
2024	4	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
2024	4	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
2024	4	64264	Bolthouse Solar LLC	IPP	Bolthouse Solar LLC	CA	64668	KOV4A	3.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.0
2024	4	64166	Brushy Creek Solar LLC	IPP	Brushy Creek Solar LLC	TX	64539	KOV4A	177.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	177.0
2024	4	61060	Cypress Creek Renewables	IPP	High Top Solar	WA	65325	98936	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2024	4	63636	Homestead Fuel Cell 1, LLC	IPP	Homestead Fuel Cell	CT	63980	MM50	2.8	Other Natural Gas	NG	FC	(L) Regulatory approvals pending. Not under construction	2.8
2024	4	63636	Homestead Fuel Cell 1, LLC	IPP	Homestead Fuel Cell	CT	63980	MM51	2.8	Other Natural Gas	NG	FC	(L) Regulatory approvals pending. Not under construction	2.8
2024	4	63636	Homestead Fuel Cell 1, LLC	IPP	Homestead Fuel Cell	CT	63980	MM52	2.8	Other Natural Gas	NG	FC	(L) Regulatory approvals pending. Not under construction	2.8
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	4	5504	Vistra Corp	IPP	Newton Solar BESS LLC	IL	65401	BA		Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	7.0
2024	4	5504	Vistra Corp	IPP	Newton Solar BESS LLC	IL	65401	PV		Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	52.0
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	64609	ENGIE Solidago Solar LLC	IPP	ENGIE Solidago Solar Project - Hybrid	DE	65304	BESS	12.5	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	12.5
2024	5	64165	Knickerbocker Solar LLC	IPP	Knickerbocker Solar LLC	TX	64540	KOV4A	200.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	200.0
2024	5	62664	Lock 14 Hydro Partners, LLC	IPP	Heidelberg Hydroelectric Project	KY	62749	1	0.6	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	0.6
2024	5	62664	Lock 14 Hydro Partners, LLC	IPP	Heidelberg Hydroelectric Project	KY	62749	2	0.6	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	0.6
2024	5	62664	Lock 14 Hydro Partners, LLC	IPP	Heidelberg Hydroelectric Project	KY	62749	3	0.6	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	0.6
2024	5	62664	Lock 14 Hydro Partners, LLC	IPP	Heidelberg Hydroelectric Project	KY	62749	4	0.6	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	0.6
2024	5	62664	Lock 14 Hydro Partners, LLC	IPP	Heidelberg Hydroelectric Project	KY	62749	5	0.2	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	0.2
2024	5	62664	Lock 14 Hydro Partners, LLC	IPP	Heidelberg Hydroelectric Project	KY	62749	6	0.2	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	0.2
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	5	64610	Powells Creek Farm Solar, LLC	IPP	Powells Creek Solar - Hybrid	VA	65305	BESS	1.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	17.5
2024	5	64607	Salt City Solar LLC	IPP	Salt City Solar Project - Hybrid	OH	65302	BESS	1.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	12.5
2024	5	64612	Sunnybrook Farm Solar, LLC	IPP	Sunnybrook Solar Project - Hybrid	VA	65307	SUNB	1.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	12.5
2024	6	64245	90FI 8me, LLC	IPP	Kingsley Solar Farm	CA	64634	90FIB	360.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	360.0
2024	6	64267	Big Creek Solar LLC	IPP	Big Creek Solar LLC	AR	64670	KOV4A	400.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	400.0
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	58970	Ecoplexus, Inc	IPP	Willoughby PV1	NC	60003	WILL1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2024	6	50123	Leeward Asset Management, LLC	IPP	White Wing Solar	AZ	60572	GEN01	200.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	200.0
2024	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
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

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	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
2024	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
2024	6	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
2024	6	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
2024	6	64657	Vacherie Solar Energy Center, LLC	IPP	Vacherie Solar Energy Center, LLC	LA	65345	VSEC	150.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	150.0
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	64673	Ross County Solar, LLC	IPP	Ross County Solar, LLC	OH	65343	ROSS	120.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	120.0
2024	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
2024	7	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
2024	8	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
2024	8	58113	Texas A&M, Utilities & Energy Services	Commercial	Central Utility Plant - Texas A&M	TX	58151	STG03	10.0	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated	10.0
2024	9	64674	Noria Hondo Solar LLC	IPP	Noria Hondo Solar (Hybrid)	TX	65344	66148	145.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	145.0
2024	9	64674	Noria Hondo Solar LLC	IPP	Noria Hondo Solar (Hybrid)	TX	65344	66149	75.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	75.0
2024	9	64545	Vesper Energy Development LLC	IPP	Kingwood Solar	OH	65425	KWOOD	175.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	175.0
2024	10	63520	326FW 8me LLC	IPP	Arida Solar (Hybrid)	NV	63841	ARIDA	370.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	370.0
2024	10	63520	326FW 8me LLC	IPP	Arida Solar (Hybrid)	NV	63841	BESS	185.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	185.0
2024	10	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
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	63579	Illinois Winds LLC	IPP	Panther Creek Wind Project	IL	63907	WTGE	54.4	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	54.4
2024	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
2024	10	64350	Saco River Solar, LLC	IPP	Saco River Solar, LLC	NH	64833	SACO	110.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	110.0
2024	10	64347	Silver Queen Wind Farm, LLC	IPP	Silver Queen Wind Farm	IA	64835	NA	300.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	300.0
2024	11	63807	302PN 8me LLC	IPP	Red Antelope Solar & Energy Storage Farm	AZ	64208	30PNA	400.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	400.0
2024	11	63807	302PN 8me LLC	IPP	Red Antelope Solar & Energy Storage Farm	AZ	64208	30PNB	300.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	300.0
2024	11	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
2024	11	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
2024	11	64388	ConnectGen Montgomery County LLC	IPP	Mill Point Solar	NY	64912	CMPS1	250.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	250.0
2024	11	61060	Cypress Creek Renewables	IPP	Shakes Solar	TX	65333	785	200.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	200.0
2024	11	63966	Emerick Wind, LLC	IPP	Emerick Wind	NE	64344	9999	396.9	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	396.9
2024	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
2024	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
2024	12	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
2024	12	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
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	64245	90FI 8me, LLC	IPP	Kingsley Solar Farm	CA	64634	90FI8	360.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	360.0
2024	12	64246	99MT 8me, LLC	IPP	Sienna Solar Farm	CA	64632	99MTB	200.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	200.0
2024	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
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	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
2024	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
2024	12	64434	Beaver Creek Wind I, LLC	IPP	Beaver Creek I	MT	65019	BCW1	50.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	50.0
2024	12	64434	Beaver Creek Wind I, LLC	IPP	Beaver Creek I	MT	65019	BCW1B	30.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	30.0
2024	12	64435	Beaver Creek Wind II, LLC	IPP	Beaver Creek II	MT	65020	BCW2	60.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	60.0
2024	12	64435	Beaver Creek Wind II, LLC	IPP	Beaver Creek II	MT	65020	BCW2B	20.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	20.0
2024	12	64436	Beaver Creek Wind III, LLC	IPP	Beaver Creek III	MT	65021	BCW3	60.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	60.0
2024	12	64436	Beaver Creek Wind III, LLC	IPP	Beaver Creek III	MT	65021	BCW3B	20.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	20.0
2024	12	64437	Beaver Creek Wind IV, LLC	IPP	Beaver Creek IV	MT	65023	BCW4	50.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	50.0
2024	12	64437	Beaver Creek Wind IV, LLC	IPP	Beaver Creek IV	MT	65023	BCW4B	30.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	30.0
2024	12	64467	CG Pike Creek LLC	IPP	Pike Creek Wind	IL	65049	CPCW1	200.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	200.0
2024	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
2024	12	64357	ConnectGen Albany County LLC	IPP	Rail Tie Wind	WY	64847	CRTW1	504.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	504.0
2024	12	56769	Consolidated Edison Development Inc.	IPP	Arlington Valley Solar Energy I	AZ	57679	AVSE1	125.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	127.0
2024	12	64369	Coyote Gulch Solar LLC	IPP	Coyote Gulch Solar	CO	64857	C0513	140.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	140.0
2024	12	64174	FPS Cedar Creek Solar LLC	IPP	Cedar Creek Solar	DE	64543	1	114.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	114.0
2024	12	64176	FPS Potic Solar LLC	IPP	Potic Solar	NY	64541	1	4.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.9
2024	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
2024	12	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
2024	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
2024	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
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	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
2024	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
2024	12	62663	Lock 13 Hydro Partners	IPP	Evelyn Hydroelectric Project	KY	62748	4	0.5	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	0.5
2024	12	62663	Lock 13 Hydro Partners	IPP	Evelyn Hydroelectric Project	KY	62748	5	0.5	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	0.5
2024	12	13407	Nevada Power Co	Electric Utility	Hot Pot Solar	NV	65419	HPB	280.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	280.0
2024	12	13407	Nevada Power Co	Electric Utility	Hot Pot Solar	NV	65419	HPS	350.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	350.0
2024	12	61301	Plum Creek Wind Farm LLC	IPP	Plum Creek	MN	61687	PLMCK	400.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	400.0
2024	12	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
2024	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
2024	12	64606	Steward Creek Solar, LLC	IPP	Steward Creek Solar Phase 1	IL	65301	SC1	600.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	600.0
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	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	1	60018	NET Power, LLC	IPP	NET Power La Porte Station	TX	60910	NPLPS	5.0	Natural Gas Fired Combustion Turbine	NG	GT	(OT) Other	25.5
2025	1	64265	Notch Peak Solar LLC	IPP	Notch Peak Solar LLC	UT	64669	KOV4A	324.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	324.0
2025	2	7189	Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55507	1	156.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	170.0
2025	2	7189	Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55507	2	156.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	170.0
2025	2	7189	Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55507	3	156.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	170.0
2025	2	7189	Gila Bend Power Partners LLC	IPP	Gila Bend Power Generation Station	AZ	55507	4	390.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	390.0
2025	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

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2025	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	4	64518	Deer Wood Energy, LLC	IPP	Deer Wood Energy, LLC	VA	65144	ENX11	50.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	50.0
2025	4	64519	Deer Wood Storage, LLC	IPP	Deer Wood Storage, LLC	VA	65145	ENX12	30.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	30.0
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	5	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
2025	5	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
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	58970	Ecoplexus, Inc	IPP	Grifton PV2	NC	63568	GRFT2	56.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	56.0
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	6	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
2025	6	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
2025	6	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
2025	6	8153	Hartford Steam Co	Commercial	Hartford Hospital Cogeneration	CT	52061	GEN6	6.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	6.0
2025	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
2025	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
2025	7	17539	Dominion Energy South Carolina, Inc	Electric Utility	Parr GT	SC	3291	GT5	40.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	65.4
2025	7	17539	Dominion Energy South Carolina, Inc	Electric Utility	Parr GT	SC	3291	GT6	40.3	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	65.4
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	7	60971	NYC ENERGY LLC	IPP	NISA Electric Generation Project	NY	61331	BA2	220.1	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	220.1
2025	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
2025	9	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
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	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	6.8
2025	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	6.8
2025	11	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
2025	11	61906	Rye Development	IPP	Emsworth L&D Hydroelectric Project	PA	62433	NA2	5.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	6.8
2025	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	6.8
2025	12	64246	99MT 8me, LLC	IPP	Sienna Solar Farm	CA	64632	99MT8	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2025	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
2025	12	15399	Avangrid Renewables LLC	IPP	Sunset Solar	OR	65326	SS1	103.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	103.0
2025	12	64578	Caden Energix Piney River LLC	IPP	Caden Energix Piney River LLC	VA	65286	ENX18	50.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	50.0
2025	12	59365	Capital Power Corporation	IPP	Nolin Hills	OR	60070	GEN	350.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	350.0
2025	12	59365	Capital Power Corporation	IPP	Nolin Hills	OR	60070	GEN2	250.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	250.0
2025	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
2025	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
2025	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
2025	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
2025	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
2025	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
2025	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
2025	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
2025	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
2025	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
2025	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
2025	12	58842	Power Company of Wyoming LLC	IPP	Chokecherry and Sierra Madre Wind	WY	58987	I-C	500.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	500.0
2025	12	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
2025	12	61906	Rye Development	IPP	Emsworth BC Hydroelectric Project	PA	62434	NA3	5.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	6.8
2025	12	61906	Rye Development	IPP	Emsworth L&D Hydroelectric Project	PA	62433	NA3	5.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	6.8
2025	12	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	6.8
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	1	1182	BASF Corporation	Industrial	Geismar	LA	10319	GEN4	42.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	45.0
2026	1	1182	BASF Corporation	Industrial	Geismar	LA	10319	GEN5	25.0	Natural Gas Steam Turbine	NG	ST	(P) Planned for installation, but regulatory approvals not initiated	25.0
2026	1	61638	Harrison Power LLC	IPP	Cadiz Power Plant	OH	62153	GEN 1	550.0	Natural Gas Fired Combined Cycle	NG	CS	(T) Regulatory approvals received. Not under construction	660.0
2026	1	61638	Harrison Power LLC	IPP	Cadiz Power Plant	OH	62153	GEN 2	550.0	Natural Gas Fired Combined Cycle	NG	CS	(T) Regulatory approvals received. Not under construction	660.0
2026	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
2026	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
2026	4	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
2026	5	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	6	61746	Holliday Solar I	IPP	Holliday Solar I	SC	62229	43	74.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	74.0
2026	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
2026	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
2026	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
2026	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
2026	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
2026	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

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)
2026	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	6	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
2026	6	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
2026	6	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
2026	6	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
2026	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
2026	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
2026	6	61830	Shining Sun Solar	IPP	Shining Sun Solar	SC	62309	73	74.4	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	74.0
2026	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
2026	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
2026	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
2026	6	61834	Stamey Solar	IPP	Stamey Solar	SC	62313	77	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2026	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
2026	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
2026	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
2026	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
2026	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
2026	6	61869	Wysong Solar	IPP	Wysong Solar	SC	62351	92	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2026	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
2026	7	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
2026	7	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
2026	7	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
2026	7	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
2026	8	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
2026	8	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
2026	8	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
2026	8	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
2026	9	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
2026	9	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	11	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	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
2026	11	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
2026	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
2026	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
2026	11	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
2026	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
2026	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
2026	12	62663	Lock 13 Hydro Partners	IPP	Evelyn Hydroelectric Project	KY	62748	1	0.5	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	0.5
2026	12	62663	Lock 13 Hydro Partners	IPP	Evelyn Hydroelectric Project	KY	62748	2	0.5	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	0.5
2026	12	62663	Lock 13 Hydro Partners	IPP	Evelyn Hydroelectric Project	KY	62748	3	0.5	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	0.5
2026	12	60221	North Slope LLC	IPP	North Slope, LLC	NY	60420	NSPV	50.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	50.0
2026	12	58842	Power Company of Wyoming LLC	IPP	Chokecherry and Sierra Madre Wind	WY	58987	II-A	750.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	750.0
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	(U) Under construction, less than or equal to 50 percent complete	750.0
2026	12	61784	Rolling Upland Wind Farm LLC	IPP	Rolling Upland Wind Farm LLC	NY	62262	GEN1	71.4	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	71.4
2026	12	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
2026	12	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
2026	12	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
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	63721	Skipjack Offshore Energy, LLC	IPP	Skipjack Wind Farm Phase 2	MD	65388	SJW02	846.0	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	846.0
2027	1	5248	Dominion Energy Inc	Electric Utility	Coastal Virginia Offshore Wind (CVOW) commercial project	VA	64550	CVOWC	1,265.0	Offshore Wind Turbine	WND	WS	(P) Planned for installation, but regulatory approvals not initiated	2,640.0

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)
2027	7	64726	Rivers Electric, LLC	IPP	Mill Pond Hydro	NY	65399	U3	0.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	0.5
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
2028	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
2028	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
2029	1	64720	Orsted North America Inc.	IPP	Ocean Wind II	NJ	65394	OCWII	1,148.0	Offshore Wind Turbine	WND	WS	(P) Planned for installation, but regulatory approvals not initiated	1,148.0
2029	12	40575	Utah Associated Mun Power Sys	Electric Utility	UAMPS Carbon Free Power Plant	ID	61075	NPM1	72.7	Nuclear	NUC	ST	(P) Planned for installation, but regulatory approvals not initiated	77.0
2030	1	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
2030	3	40575	Utah Associated Mun Power Sys	Electric Utility	UAMPS Carbon Free Power Plant	ID	61075	NPM2	72.7	Nuclear	NUC	ST	(P) Planned for installation, but regulatory approvals not initiated	77.0
2030	5	40575	Utah Associated Mun Power Sys	Electric Utility	UAMPS Carbon Free Power Plant	ID	61075	NPM3	72.7	Nuclear	NUC	ST	(P) Planned for installation, but regulatory approvals not initiated	77.0
2030	7	40575	Utah Associated Mun Power Sys	Electric Utility	UAMPS Carbon Free Power Plant	ID	61075	NPM4	72.7	Nuclear	NUC	ST	(P) Planned for installation, but regulatory approvals not initiated	77.0
2030	9	40575	Utah Associated Mun Power Sys	Electric Utility	UAMPS Carbon Free Power Plant	ID	61075	NPM5	72.7	Nuclear	NUC	ST	(P) Planned for installation, but regulatory approvals not initiated	77.0
2030	11	40575	Utah Associated Mun Power Sys	Electric Utility	UAMPS Carbon Free Power Plant	ID	61075	NPM6	72.7	Nuclear	NUC	ST	(P) Planned for installation, but regulatory approvals not initiated	77.0

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
2022	2	18190	Mas Suffolk RNG, LLC	IPP	Mas Suffolk RNG, LLC	VA	54781	SU1	0.7	Landfill Gas	LFG	IC
2022	2	18190	Mas Suffolk RNG, LLC	IPP	Mas Suffolk RNG, LLC	VA	54781	SU4	0.7	Landfill Gas	LFG	IC
2022	3	1015	Austin Energy	Electric Utility	Decker Creek	TX	3548	2	404.0	Natural Gas Steam Turbine	NG	ST
2022	3	768	City of Arcanum - (OH)	Electric Utility	Arcanum	OH	2902	1	0.8	Petroleum Liquids	DFO	IC
2022	3	14165	GenOn Power Midwest, LP	IPP	Avon Lake	OH	2836	10	25.0	Petroleum Liquids	DFO	GT
2022	3	14165	GenOn Power Midwest, LP	IPP	Avon Lake	OH	2836	9	627.0	Conventional Steam Coal	BIT	ST
2022	3	14165	GenOn Power Midwest, LP	IPP	Cheswick Power Plant	PA	8226	1	565.0	Conventional Steam Coal	BIT	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	3	58098	New Energy One LLC	IPP	Rock Creek Dairy	ID	58142	CHP1	1.6	Other Waste Biomass	OBG	IC
2022	3	58098	New Energy One LLC	IPP	Rock Creek Dairy	ID	58142	CHP2	1.6	Other Waste Biomass	OBG	IC
2022	4	15276	TalenEnergy Martins Creek LLC	IPP	TalenEnergy Martins Creek LLC Fishbach	PA	3142	UNT1	14.0	Petroleum Liquids	DFO	GT
2022	4	15276	TalenEnergy Martins Creek LLC	IPP	TalenEnergy Martins Creek LLC Fishbach	PA	3142	UNT2	14.0	Petroleum Liquids	DFO	GT
2022	4	15276	TalenEnergy Martins Creek LLC	IPP	TalenEnergy Martins Creek LLC Jenkins	PA	3146	CTG1	13.8	Petroleum Liquids	DFO	GT
2022	4	15276	TalenEnergy Martins Creek LLC	IPP	TalenEnergy Martins Creek LLC Jenkins	PA	3146	CTG2	13.8	Petroleum Liquids	DFO	GT
2022	4	15276	TalenEnergy Martins Creek LLC	IPP	TalenEnergy Martins Creek LLC Lock Haven	PA	3147	CTG	14.0	Petroleum Liquids	DFO	GT
2022	4	15276	TalenEnergy Martins Creek LLC	IPP	TalenEnergy Martins Creek LLC West Shore	PA	3154	CTG1	14.0	Petroleum Liquids	DFO	GT
2022	4	15276	TalenEnergy Martins Creek LLC	IPP	TalenEnergy Martins Creek LLC West Shore	PA	3154	CTG2	14.0	Petroleum Liquids	DFO	GT
2022	4	15276	TalenEnergy Martins Creek LLC	IPP	TalenEnergy Martins Creek LLC Williamsport	PA	3155	CTG1	13.2	Petroleum Liquids	DFO	GT
2022	4	15276	TalenEnergy Martins Creek LLC	IPP	TalenEnergy Martins Creek LLC Williamsport	PA	3155	CTG2	13.4	Petroleum Liquids	DFO	GT
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	59920	Dynegy W H Zimmer	IPP	W H Zimmer	OH	6019	ST1	1,305.0	Conventional Steam Coal	RC	ST
2022	5	55846	Newark Bay Cogeneration Partnership LP	IPP	Newark Bay Cogeneration Partnership LP	NJ	50385	GEN1	120.2	Natural Gas Fired Combined Cycle	NG	CT
2022	5	55846	Newark Bay Cogeneration Partnership LP	IPP	Newark Bay Cogeneration Partnership LP	NJ	50385	GEN2		Natural Gas Fired Combined Cycle	NG	CT
2022	5	55846	Newark Bay Cogeneration Partnership LP	IPP	Newark Bay Cogeneration Partnership LP	NJ	50385	GEN3		Natural Gas Fired Combined Cycle	NG	CA
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	5	50160	Pedricktown Cogeneration Company LP	IPP	Pedricktown Cogeneration Company LP	NJ	10099	GEN1	112.8	Natural Gas Fired Combined Cycle	NG	CT
2022	5	50160	Pedricktown Cogeneration Company LP	IPP	Pedricktown Cogeneration Company LP	NJ	10099	GEN2		Natural Gas Fired Combined Cycle	NG	CA
2022	5	15276	TalenEnergy Martins Creek LLC	IPP	TalenEnergy Martins Creek LLC Harwood	PA	3144	CTG1	12.9	Petroleum Liquids	DFO	GT
2022	5	15276	TalenEnergy Martins Creek LLC	IPP	TalenEnergy Martins Creek LLC Harwood	PA	3144	CTG2	12.3	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	9332	Indian River Operations Inc	IPP	Indian River Generating Station	DE	594	4	410.0	Conventional Steam Coal	BIT	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	12653	Lanyard Power Holdings, LLC	IPP	Morgantown Generating Plant	MD	1573	ST1	596.0	Conventional Steam Coal	BIT	ST
2022	6	12653	Lanyard Power Holdings, LLC	IPP	Morgantown Generating Plant	MD	1573	ST2	609.0	Conventional Steam Coal	BIT	ST
2022	6	12384	Midwest Generations EME LLC	IPP	Waukegan	IL	883	7	328.0	Conventional Steam Coal	SUB	ST
2022	6	12384	Midwest Generations EME LLC	IPP	Waukegan	IL	883	8	361.0	Conventional Steam Coal	SUB	ST
2022	6	12384	Midwest Generations EME LLC	IPP	Will County	IL	884	4	510.0	Conventional Steam Coal	SUB	ST
2022	6	15473	Public Service Co of NM	Electric Utility	San Juan	NM	2451	1	340.0	Conventional Steam Coal	RC	ST
2022	6	15473	Public Service Co of NM	Electric Utility	San Juan	NM	2451	4	507.0	Conventional Steam Coal	RC	ST
2022	6	24205	Sinclair Oil Corp	Industrial	Sinclair Oil Refinery	WY	54374	2004	1.3	Natural Gas Internal Combustion Engine	NG	IC
2022	6	24205	Sinclair Oil Corp	Industrial	Sinclair Oil Refinery	WY	54374	2006	1.3	Natural Gas Internal Combustion Engine	NG	IC
2022	6	24205	Sinclair Oil Corp	Industrial	Sinclair Oil Refinery	WY	54374	2008	1.3	Natural Gas Internal Combustion Engine	NG	IC
2022	6	15276	TalenEnergy Martins Creek LLC	IPP	TalenEnergy Martin Creek LLC Allentown	PA	3139	CTG1	14.0	Petroleum Liquids	DFO	GT
2022	6	15276	TalenEnergy Martins Creek LLC	IPP	TalenEnergy Martin Creek LLC Allentown	PA	3139	CTG2	14.0	Petroleum Liquids	DFO	GT
2022	6	15276	TalenEnergy Martins Creek LLC	IPP	TalenEnergy Martin Creek LLC Allentown	PA	3139	CTG3	14.0	Petroleum Liquids	DFO	GT
2022	6	15276	TalenEnergy Martins Creek LLC	IPP	TalenEnergy Martin Creek LLC Allentown	PA	3139	CTG4	14.0	Petroleum Liquids	DFO	GT
2022	6	15276	TalenEnergy Martins Creek LLC	IPP	TalenEnergy Martins Creek	PA	3148	CTG3	18.0	Natural Gas Fired Combustion Turbine	NG	GT
2022	6	15276	TalenEnergy Martins Creek LLC	IPP	TalenEnergy Martins Creek LLC Harrisburg	PA	3143	CTG1	13.4	Petroleum Liquids	DFO	GT
2022	6	15276	TalenEnergy Martins Creek LLC	IPP	TalenEnergy Martins Creek LLC Harrisburg	PA	3143	CTG2	13.9	Petroleum Liquids	DFO	GT
2022	6	15276	TalenEnergy Martins Creek LLC	IPP	TalenEnergy Martins Creek LLC Harrisburg	PA	3143	CTG3	13.8	Petroleum Liquids	DFO	GT
2022	7	16534	Sacramento Municipal Util Dist	Electric Utility	White Rock/Slab Creek	CA	435	H4	0.5	Conventional Hydroelectric	WAT	HY
2022	8	7080	Aclara Meters LLC	Industrial	General Electric Great Falls Upper Hydro	NH	10059	1575	1.6	Conventional Hydroelectric	WAT	HY
2022	8	7080	Aclara Meters LLC	Industrial	General Electric Great Falls Upper Hydro	NH	10059	500	0.5	Conventional Hydroelectric	WAT	HY
2022	9	177	AES Hawaii LLC	Electric CHP	AES Hawaii	HI	10673	GEN1	180.0	Conventional Steam Coal	SUB	ST
2022	9	3989	City of Colorado Springs - (CO)	Electric Utility	Martin Drake	CO	492	6	77.0	Conventional Steam Coal	SUB	ST
2022	9	3989	City of Colorado Springs - (CO)	Electric Utility	Martin Drake	CO	492	7	131.0	Natural Gas Steam Turbine	NG	ST

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2022	9	5748	Electric Energy Inc	IPP	Joppa Steam	IL	887	1	158.0	Conventional Steam Coal	RC	ST
2022	9	5748	Electric Energy Inc	IPP	Joppa Steam	IL	887	2	158.0	Conventional Steam Coal	RC	ST
2022	9	5748	Electric Energy Inc	IPP	Joppa Steam	IL	887	3	158.0	Conventional Steam Coal	RC	ST
2022	9	5748	Electric Energy Inc	IPP	Joppa Steam	IL	887	4	158.0	Conventional Steam Coal	RC	ST
2022	9	5748	Electric Energy Inc	IPP	Joppa Steam	IL	887	5	158.0	Conventional Steam Coal	RC	ST
2022	9	5748	Electric Energy Inc	IPP	Joppa Steam	IL	887	6	158.0	Conventional Steam Coal	RC	ST
2022	9	6915	Galena Electric Utility	Electric Utility	Galena Electric Utility	AK	7437	3A	0.8	Petroleum Liquids	DFO	IC
2022	9	12653	Lanyard Power Holdings, LLC	IPP	Morgantown Generating Plant	MD	1573	GT1	13.0	Petroleum Liquids	DFO	GT
2022	9	12653	Lanyard Power Holdings, LLC	IPP	Morgantown Generating Plant	MD	1573	GT2	13.0	Petroleum Liquids	DFO	GT
2022	9	12159	Midwest Electric Power Inc	IPP	MEPI GT Facility	IL	7858	1	55.0	Natural Gas Fired Combustion Turbine	NG	GT
2022	9	12159	Midwest Electric Power Inc	IPP	MEPI GT Facility	IL	7858	2	55.0	Natural Gas Fired Combustion Turbine	NG	GT
2022	9	12159	Midwest Electric Power Inc	IPP	MEPI GT Facility	IL	7858	3	55.0	Natural Gas Fired Combustion Turbine	NG	GT
2022	9	12159	Midwest Electric Power Inc	IPP	MEPI GT Facility	IL	7858	4	37.0	Natural Gas Fired Combustion Turbine	NG	GT
2022	9	12159	Midwest Electric Power Inc	IPP	MEPI GT Facility	IL	7858	5	37.0	Natural Gas Fired Combustion Turbine	NG	GT
2022	9	19153	Nassau Energy Corp	Electric CHP	Nassau Energy Corp	NY	52056	GT1	38.0	Natural Gas Fired Combined Cycle	NG	CT
2022	9	60558	Rock County Energy Center, LLC	IPP	Minwind 3-9	MN	56123	1	11.6	Onshore Wind Turbine	WND	WT
2022	10	19664	University of Washington	Commercial	University of Washington Power Plant	WA	54809	TG2	5.0	Natural Gas Steam Turbine	NG	ST
2022	11	60538	Vitro Architectural Glass	Industrial	Works 4	TX	54364	L1G	2.0	Petroleum Liquids	DFO	IC
2022	11	20856	Wisconsin Power & Light Co	Electric Utility	Edgewater	WI	4050	5	416.8	Conventional Steam Coal	SUB	ST
2022	12	55858	EDL Inc	IPP	Carbon Limestone	OH	56868	1	1.4	Landfill Gas	LFG	IC
2022	12	55858	EDL Inc	IPP	Carbon Limestone	OH	56868	10	1.4	Landfill Gas	LFG	IC
2022	12	55858	EDL Inc	IPP	Carbon Limestone	OH	56868	11	1.4	Landfill Gas	LFG	IC
2022	12	55858	EDL Inc	IPP	Carbon Limestone	OH	56868	12	1.4	Landfill Gas	LFG	IC
2022	12	55858	EDL Inc	IPP	Carbon Limestone	OH	56868	13	1.4	Landfill Gas	LFG	IC
2022	12	55858	EDL Inc	IPP	Carbon Limestone	OH	56868	14	1.4	Landfill Gas	LFG	IC
2022	12	55858	EDL Inc	IPP	Carbon Limestone	OH	56868	15	1.4	Landfill Gas	LFG	IC
2022	12	55858	EDL Inc	IPP	Carbon Limestone	OH	56868	16	1.4	Landfill Gas	LFG	IC
2022	12	55858	EDL Inc	IPP	Carbon Limestone	OH	56868	17	1.6	Landfill Gas	LFG	IC
2022	12	55858	EDL Inc	IPP	Carbon Limestone	OH	56868	18	1.6	Landfill Gas	LFG	IC
2022	12	55858	EDL Inc	IPP	Carbon Limestone	OH	56868	2	1.4	Landfill Gas	LFG	IC
2022	12	55858	EDL Inc	IPP	Carbon Limestone	OH	56868	3	1.4	Landfill Gas	LFG	IC
2022	12	55858	EDL Inc	IPP	Carbon Limestone	OH	56868	4	1.4	Landfill Gas	LFG	IC
2022	12	55858	EDL Inc	IPP	Carbon Limestone	OH	56868	5	1.4	Landfill Gas	LFG	IC
2022	12	55858	EDL Inc	IPP	Carbon Limestone	OH	56868	6	1.4	Landfill Gas	LFG	IC
2022	12	55858	EDL Inc	IPP	Carbon Limestone	OH	56868	7	1.4	Landfill Gas	LFG	IC
2022	12	55858	EDL Inc	IPP	Carbon Limestone	OH	56868	8	1.4	Landfill Gas	LFG	IC
2022	12	55858	EDL Inc	IPP	Carbon Limestone	OH	56868	9	1.4	Landfill Gas	LFG	IC
2022	12	55858	EDL Inc	IPP	Ottawa County Project	OH	56865	1	1.4	Landfill Gas	LFG	IC
2022	12	55858	EDL Inc	IPP	Ottawa County Project	OH	56865	2	1.4	Landfill Gas	LFG	IC
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	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	14328	Pacific Gas & Electric Co.	Electric Utility	Cow Creek	CA	229	1	0.9	Conventional Hydroelectric	WAT	HY
2022	12	14328	Pacific Gas & Electric Co.	Electric Utility	Cow Creek	CA	229	2	0.9	Conventional Hydroelectric	WAT	HY
2022	12	14328	Pacific Gas & Electric Co.	Electric Utility	Kilarc	CA	253	1	1.6	Conventional Hydroelectric	WAT	HY
2022	12	50045	Phillips 66 Company	Industrial	Santa Maria EPG	CA	56284	EPG	5.3	Other Gases	OG	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	17554	South Carolina Genertg Co, Inc	Electric Utility	Williams	SC	3298	1	20.0	Natural Gas Fired Combustion Turbine	NG	GT
2022	12	17554	South Carolina Genertg Co, Inc	Electric Utility	Williams	SC	3298	2	20.0	Natural Gas Fired Combustion Turbine	NG	GT
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	17718	Southwestern Public Service Co	Electric Utility	Plant X	TX	3485	2	90.0	Natural Gas Steam Turbine	NG	ST
2022	12	17718	Southwestern Public Service Co	Electric Utility	Plant X	TX	3485	3	93.0	Natural Gas Steam Turbine	NG	ST
2022	12	19436	Union Electric Co - (MO)	Electric Utility	Meramec	MO	2104	1	113.0	Natural Gas Steam Turbine	NG	ST
2022	12	19436	Union Electric Co - (MO)	Electric Utility	Meramec	MO	2104	2	113.0	Natural Gas Steam Turbine	NG	ST
2022	12	19436	Union Electric Co - (MO)	Electric Utility	Meramec	MO	2104	3	220.0	Conventional Steam Coal	SUB	ST
2022	12	19436	Union Electric Co - (MO)	Electric Utility	Meramec	MO	2104	4	320.0	Conventional Steam Coal	SUB	ST
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

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2023	3	12647	ALLETE, Inc.	Electric Utility	Taconite Harbor Energy Center	MN	10075	GEN1	79.0	Conventional Steam Coal	SUB	ST
2023	3	12647	ALLETE, Inc.	Electric Utility	Taconite Harbor Energy Center	MN	10075	GEN2	75.9	Conventional Steam Coal	SUB	ST
2023	4	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	4	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	4	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	4	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 Company	Electric Utility	Dan E Karn	MI	1702	1A	127.5	Conventional Steam Coal	SUB	ST
2023	5	4254	Consumers Energy Company	Electric Utility	Dan E Karn	MI	1702	1B	127.5	Conventional Steam Coal	SUB	ST
2023	5	4254	Consumers Energy Company	Electric Utility	Dan E Karn	MI	1702	2A	115.5	Conventional Steam Coal	SUB	ST
2023	5	4254	Consumers Energy Company	Electric Utility	Dan E Karn	MI	1702	2B	115.5	Conventional Steam Coal	SUB	ST
2023	5	9273	Indianapolis Power & Light Co	Electric Utility	AES Petersburg	IN	994	ST2	421.8	Conventional Steam Coal	BIT	ST
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	2-1	34.8	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	2-2	34.7	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	2-3	36.7	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	2-4	35.4	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	3-1	35.5	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	34.0	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	3-4	35.3	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	4-1	33.8	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	4-2	34.3	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	4-3	35.3	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	13582	NRG Astoria Gas Turbine Operations Inc	IPP	Astoria Gas Turbines	NY	55243	4-4	34.9	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	5	15276	TalenEnergy Martins Creek LLC	IPP	TalenEnergy Martins Creek	PA	3148	CTG1	18.0	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	15276	TalenEnergy Martins Creek LLC	IPP	TalenEnergy Martins Creek	PA	3148	CTG2	17.3	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	15276	TalenEnergy Martins Creek LLC	IPP	TalenEnergy Martins Creek	PA	3148	CTG4	17.2	Natural Gas Fired Combustion Turbine	NG	GT
2023	5	56785	The Westervelt Co	Industrial	Westervelt Moundville Cogen	AL	57467	TG1	8.2	Wood/Wood Waste Biomass	WDS	ST
2023	5	19876	Virginia Electric & Power Co	Electric Utility	Chesterfield	VA	3797	5	336.0	Conventional Steam Coal	BIT	ST
2023	5	19876	Virginia Electric & Power Co	Electric Utility	Chesterfield	VA	3797	6	670.0	Conventional Steam Coal	BIT	ST
2023	5	19876	Virginia Electric & Power Co	Electric Utility	Yorktown	VA	3809	3	790.0	Natural Gas Steam Turbine	NG	ST
2023	6	13143	Board of Water Electric & Communications	Electric Utility	Muscatine Plant #1	IA	1167	7	20.1	Conventional Steam Coal	SUB	ST
2023	6	13143	Board of Water Electric & Communications	Electric Utility	Muscatine Plant #1	IA	1167	8	25.1	Conventional Steam Coal	SUB	ST
2023	6	13143	Board of Water Electric & Communications	Electric Utility	Muscatine Plant #1	IA	1167	8A	14.5	Conventional Steam Coal	SUB	ST
2023	6	8723	City of Holland	Electric Utility	Sixth Street Gas Turbine	MI	6356	1	16.0	Petroleum Liquids	DFO	GT
2023	6	64226	Energy Harbor Generation LLC	IPP	Pleasants Power Station	WV	6004	1	639.0	Conventional Steam Coal	RC	ST
2023	6	64226	Energy Harbor Generation LLC	IPP	Pleasants Power Station	WV	6004	2	639.0	Conventional Steam Coal	RC	ST
2023	6	64226	Energy Harbor Generation LLC	IPP	W H Sammis	OH	2866	5	290.0	Conventional Steam Coal	BIT	ST
2023	6	64226	Energy Harbor Generation LLC	IPP	W H Sammis	OH	2866	6	600.0	Conventional Steam Coal	BIT	ST
2023	6	64226	Energy Harbor Generation LLC	IPP	W H Sammis	OH	2866	7	600.0	Conventional Steam Coal	BIT	ST
2023	6	64226	Energy Harbor Generation LLC	IPP	W H Sammis	OH	2866	A1	3.0	Petroleum Liquids	DFO	IC
2023	6	64226	Energy Harbor Generation LLC	IPP	W H Sammis	OH	2866	B1	3.0	Petroleum Liquids	DFO	IC
2023	6	64226	Energy Harbor Generation LLC	IPP	W H Sammis	OH	2866	B2	3.0	Petroleum Liquids	DFO	IC
2023	6	64226	Energy Harbor Generation LLC	IPP	W H Sammis	OH	2866	B3	2.0	Petroleum Liquids	DFO	IC
2023	6	64226	Energy Harbor Generation LLC	IPP	W H Sammis	OH	2866	B4	2.0	Petroleum Liquids	DFO	IC
2023	6	12685	Entergy Mississippi LLC	Electric Utility	Baxter Wilson	MS	2050	1	494.3	Natural Gas Steam Turbine	NG	ST
2023	6	55937	Entergy Texas Inc.	Electric Utility	Sabine	TX	3459	1	211.6	Natural Gas Steam Turbine	NG	ST
2023	6	4426	NAES Corp	IPP	CT Resource Rec Authority Facility	CT	54945	NO 5	28.8	Municipal Solid Waste	MSW	ST
2023	6	4426	NAES Corp	IPP	CT Resource Rec Authority Facility	CT	54945	NO 6	29.7	Municipal Solid Waste	MSW	ST
2023	6	4426	NAES Corp	IPP	South Meadow	CT	563	11	35.7	Petroleum Liquids	KER	GT
2023	6	4426	NAES Corp	IPP	South Meadow	CT	563	12	37.7	Petroleum Liquids	KER	GT
2023	6	4426	NAES Corp	IPP	South Meadow	CT	563	13	38.3	Petroleum Liquids	KER	GT
2023	6	4426	NAES Corp	IPP	South Meadow	CT	563	14	36.7	Petroleum Liquids	KER	GT
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	10	17633	Southern Indiana Gas & Elec Co	Electric Utility	A B Brown	IN	6137	1	245.0	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	10	17633	Southern Indiana Gas & Elec Co	Electric Utility	A B Brown	IN	6137	2	245.0	Conventional Steam Coal	BIT	ST
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	159.0	Conventional Steam Coal	BIT	ST
2023	12	5701	El Paso Electric Co	Electric Utility	Rio Grande	NM	2444	7	46.0	Natural Gas Steam Turbine	NG	ST
2023	12	56440	G2 Energy LLC	IPP	G2 Energy Marion LLC	FL	57128	357	1.5	Landfill Gas	LFG	IC
2023	12	56440	G2 Energy LLC	IPP	G2 Energy Marion LLC	FL	57128	360	0.8	Landfill Gas	LFG	IC
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	French Island	WI	4005	3	61.0	Petroleum Liquids	DFO	GT
2023	12	13781	Northern States Power Co - Minnesota	Electric Utility	French Island	WI	4005	4	61.0	Petroleum Liquids	DFO	GT
2023	12	13781	Northern States Power Co - Minnesota	Electric Utility	Laverne Battery	MN	58579	1	1.0	Batteries	MWH	BA
2023	12	13781	Northern States Power Co - Minnesota	Electric Utility	Sherburne County	MN	6090	2	682.0	Conventional Steam Coal	SUB	ST
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	4208	Phillips 66 Company	Industrial	Phillips 66 Carbon Plant	CA	50388	GEN1	20.0	Petroleum Coke	PC	ST
2023	12	17718	Southwestern Public Service Co	Electric Utility	Nichols	TX	3484	2	106.0	Natural Gas Steam Turbine	NG	ST
2023	12	18642	Tennessee Valley Authority	Electric Utility	Bull Run	TN	3396	1	865.0	Conventional Steam Coal	BIT	ST
2023	12	20856	Wisconsin Power & Light Co	Electric Utility	Columbia (WI)	WI	8023	1	579.3	Conventional Steam Coal	RC	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	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	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	422.4	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	11	60538	Vitro Architectural Glass	Industrial	Works 4	TX	54364	L2G	2.0	Petroleum Liquids	DFO	IC
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	5	259.0	Conventional Steam Coal	BIT	ST
2024	12	5701	El Paso Electric Co	Electric Utility	Rio Grande	NM	2444	6	45.0	Natural Gas Steam Turbine	NG	ST
2024	12	56211	Evergy Missouri West	Electric Utility	Lake Road (MO)	MO	2098	4	97.0	Natural Gas Steam Turbine	NG	ST
2024	12	8153	Hartford Steam Co	Commercial	Hartford Hospital Cogeneration	CT	52061	GEN2	2.4	Natural Gas Fired Combined Cycle	NG	CA
2024	12	8153	Hartford Steam Co	Commercial	Hartford Hospital Cogeneration	CT	52061	GEN3	6.2	Natural Gas Fired Combined Cycle	NG	CT

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
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	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	20856	Wisconsin Power & Light Co	Electric Utility	Columbia (WI)	WI	8023	2	572.5	Conventional Steam Coal	RC	ST
2025	1	17568	Cooperative Energy	Electric Utility	Moselle	MS	2070	3	59.0	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	5	58435	Collinwood BioEnergy	Industrial	Collinwood BioEnergy Facility	OH	58439	CBE01	1.0	Other Waste Biomass	OBG	IC
2025	5	4254	Consumers Energy Company	Electric Utility	J H Campbell	MI	1710	1	260.0	Conventional Steam Coal	SUB	ST
2025	5	4254	Consumers Energy Company	Electric Utility	J H Campbell	MI	1710	2	328.0	Conventional Steam Coal	SUB	ST
2025	5	4254	Consumers Energy Company	Electric Utility	J H Campbell	MI	1710	3	841.4	Conventional Steam Coal	SUB	ST
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
2025	6	814	Entergy Arkansas LLC	Electric Utility	Lake Catherine	AR	170	4	522.0	Natural Gas Steam Turbine	NG	ST
2025	6	18414	TES Filer City Station LP	Electric CHP	TES Filer City Station	MI	50835	GEN1	60.0	Conventional Steam Coal	BIT	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	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	56155	Lansing Board of Water and Light	Electric Utility	Erickson Station	MI	1832	1	154.5	Conventional Steam Coal	SUB	ST
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Angus Anson	SD	7237	1	90.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Angus Anson	SD	7237	2	90.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Sherburne County	MN	6090	1	680.0	Conventional Steam Coal	SUB	ST
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Wheaton	WI	4014	1	44.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Wheaton	WI	4014	2	51.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Wheaton	WI	4014	3	44.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Wheaton	WI	4014	4	47.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Wheaton	WI	4014	6	48.0	Petroleum Liquids	DFO	GT
2025	12	14354	PacifiCorp	Electric Utility	Naughton	WY	4162	1	156.0	Conventional Steam Coal	SUB	ST
2025	12	14354	PacifiCorp	Electric Utility	Naughton	WY	4162	2	201.0	Conventional Steam Coal	SUB	ST
2025	12	15466	Public Service Co of Colorado	Electric Utility	Comanche (CO)	CO	470	2	335.0	Conventional Steam Coal	SUB	ST
2025	12	17166	Sierra Pacific Power Co	Electric Utility	North Valmy	NV	8224	1	254.0	Conventional Steam Coal	SUB	ST
2025	12	17166	Sierra Pacific Power Co	Electric Utility	North Valmy	NV	8224	2	268.0	Conventional Steam Coal	SUB	ST
2025	12	17633	Southern Indiana Gas & Elec Co	Electric Utility	F B Culley	IN	1012	2	90.0	Conventional Steam Coal	BIT	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

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	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	412.5	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	6.4	Natural Gas Fired Combustion Turbine	NG	GT
2026	6	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT2	11.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	6	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT3	12.9	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	86.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	12	5860	Empire District Electric Co	Electric Utility	Empire Energy Center	MO	6223	2	92.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	12	6013	Eugene Water & Electric Board	Electric Utility	Carmen Smith	OR	3067	3	3.8	Conventional Hydroelectric	WAT	HY
2026	12	56997	Marina Energy LLC	IPP	L'Oreal Piscataway	NJ	57868	UNIT1	0.8	Solar Photovoltaic	SUN	PV
2026	12	54888	NRG Texas Power LLC	IPP	W A Parish	TX	3470	1	169.0	Natural Gas Steam Turbine	NG	ST
2026	12	54888	NRG Texas Power LLC	IPP	W A Parish	TX	3470	2	169.0	Natural Gas Steam Turbine	NG	ST
2026	12	54888	NRG Texas Power LLC	IPP	W A Parish	TX	3470	3	273.0	Natural Gas Steam Turbine	NG	ST
2026	12	54888	NRG Texas Power LLC	IPP	W A Parish	TX	3470	4	552.0	Natural Gas Steam Turbine	NG	ST
2026	12	13781	Northern States Power Co - Minnesota	Electric Utility	Inver Hills	MN	1913	1	47.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	12	13781	Northern States Power Co - Minnesota	Electric Utility	Inver Hills	MN	1913	2	47.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	12	13781	Northern States Power Co - Minnesota	Electric Utility	Inver Hills	MN	1913	3	47.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	12	13781	Northern States Power Co - Minnesota	Electric Utility	Inver Hills	MN	1913	4	47.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	12	13781	Northern States Power Co - Minnesota	Electric Utility	Inver Hills	MN	1913	5	47.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	12	13781	Northern States Power Co - Minnesota	Electric Utility	Inver Hills	MN	1913	6	47.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	12	13781	Northern States Power Co - Minnesota	Electric Utility	Inver Hills	MN	1913	7	1.8	Petroleum Liquids	DFO	GT
2026	12	13781	Northern States Power Co - Minnesota	Electric Utility	Inver Hills	MN	1913	8	1.8	Petroleum Liquids	DFO	GT
2026	12	15466	Public Service Co of Colorado	Electric Utility	Alamosa	CO	464	CT1	13.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	12	15466	Public Service Co of Colorado	Electric Utility	Alamosa	CO	464	CT2	14.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	12	15466	Public Service Co of Colorado	Electric Utility	Fort Lupton	CO	8067	1	44.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	12	15466	Public Service Co of Colorado	Electric Utility	Fort Lupton	CO	8067	2	44.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	12	15466	Public Service Co of Colorado	Electric Utility	Fruita	CO	471	1	14.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	12	15466	Public Service Co of Colorado	Electric Utility	Valmont	CO	477	6	43.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	12	18642	Tennessee Valley Authority	Electric Utility	Cumberland (TN)	TN	3399	2	1,231.0	Conventional Steam Coal	BIT	ST
2026	12	18642	Tennessee Valley Authority	Electric Utility	Kingston	TN	3407	7	174.0	Conventional Steam Coal	BIT	ST
2026	12	18642	Tennessee Valley Authority	Electric Utility	Kingston	TN	3407	8	174.0	Conventional Steam Coal	BIT	ST
2026	12	18642	Tennessee Valley Authority	Electric Utility	Kingston	TN	3407	9	174.0	Conventional Steam Coal	BIT	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	6	64726	Rivers Electric, LLC	IPP	Mill Pond Hydro	NY	65399	U2	0.5	Conventional Hydroelectric	WAT	HY
2027	12	56570	Coleto Creek Power LP	IPP	Coleto Creek	TX	6178	1	655.0	Conventional Steam Coal	RC	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	6909	Gainesville Regional Utilities	Electric Utility	Deerhaven Generating Station	FL	663	1	75.0	Natural Gas Steam Turbine	NG	ST
2027	12	520	Illinois Power Generating Co	IPP	Newton	IL	6017	1	595.0	Conventional Steam Coal	RC	ST
2027	12	59919	Luminant Miami Fort	IPP	Miami Fort	OH	2832	7	510.0	Conventional Steam Coal	BIT	ST
2027	12	59919	Luminant Miami Fort	IPP	Miami Fort	OH	2832	8	510.0	Conventional Steam Coal	BIT	ST
2027	12	12686	Mississippi Power Co	Electric Utility	Victor J Daniel Jr	MS	6073	1	502.0	Conventional Steam Coal	SUB	ST
2027	12	12686	Mississippi Power Co	Electric Utility	Victor J Daniel Jr	MS	6073	2	502.0	Conventional Steam Coal	SUB	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

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2027	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	14354	PacifiCorp	Electric Utility	Dave Johnston	WY	4158	1	93.0	Conventional Steam Coal	RC	ST
2027	12	14354	PacifiCorp	Electric Utility	Dave Johnston	WY	4158	2	102.0	Conventional Steam Coal	RC	ST
2027	12	14354	PacifiCorp	Electric Utility	Dave Johnston	WY	4158	3	220.0	Conventional Steam Coal	RC	ST
2027	12	14354	PacifiCorp	Electric Utility	Dave Johnston	WY	4158	4	330.0	Conventional Steam Coal	RC	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	18642	Tennessee Valley Authority	Electric Utility	Kingston	TN	3407	1	132.0	Conventional Steam Coal	BIT	ST
2027	12	18642	Tennessee Valley Authority	Electric Utility	Kingston	TN	3407	2	132.0	Conventional Steam Coal	BIT	ST
2027	12	18642	Tennessee Valley Authority	Electric Utility	Kingston	TN	3407	3	132.0	Conventional Steam Coal	BIT	ST
2027	12	18642	Tennessee Valley Authority	Electric Utility	Kingston	TN	3407	4	132.0	Conventional Steam Coal	BIT	ST
2027	12	18642	Tennessee Valley Authority	Electric Utility	Kingston	TN	3407	5	174.0	Conventional Steam Coal	BIT	ST
2027	12	18642	Tennessee Valley Authority	Electric Utility	Kingston	TN	3407	6	174.0	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	1	113.0	Natural Gas Steam Turbine	NG	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	61412	Cardinal Operating Company	IPP	Cardinal	OH	2828	1	585.0	Conventional Steam Coal	BIT	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	Goldman Sachs Renewable Power Group	IPP	ACCC Mays Landing	NJ	60802	PV1	1.4	Solar Photovoltaic	SUN	PV
2028	12	61944	Goldman Sachs Renewable Power Group	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	9324	Indiana Michigan Power Co	Electric Utility	Rockport	IN	6166	2	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
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	18642	Tennessee Valley Authority	Electric Utility	Cumberland (TN)	TN	3399	1	1,239.0	Conventional Steam Coal	BIT	ST
2028	12	19436	Union Electric Co - (MO)	Electric Utility	Sioux	MO	2107	1	487.0	Conventional Steam Coal	RC	ST
2028	12	19436	Union Electric Co - (MO)	Electric Utility	Sioux	MO	2107	2	487.0	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	513.5	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	54888	NRG Texas Power LLC	IPP	Limestone	TX	298	1	831.0	Conventional Steam Coal	SUB	ST
2029	12	54888	NRG Texas Power LLC	IPP	Limestone	TX	298	2	858.0	Conventional Steam Coal	SUB	ST
2029	12	14354	PacifiCorp	Electric Utility	Naughton	WY	4162	3	247.0	Natural Gas Steam Turbine	NG	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

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
2030	5	5109	DTE Electric Company	Electric Utility	Belle River	MI	6034	ST2	635.0	Conventional Steam Coal	RC	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 Natural Gas	NG	FC
2031	3	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL01	0.1	Other Natural Gas	NG	FC
2031	3	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL02	0.1	Other Natural Gas	NG	FC
2031	3	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL03	0.1	Other Natural Gas	NG	FC
2031	3	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL04	0.1	Other Natural Gas	NG	FC
2031	3	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL05	0.1	Other Natural Gas	NG	FC
2031	3	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL06	0.1	Other Natural Gas	NG	FC
2031	3	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL07	0.1	Other Natural Gas	NG	FC
2031	3	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL08	0.1	Other Natural Gas	NG	FC
2031	3	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL09	0.1	Other Natural Gas	NG	FC
2031	3	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL10	0.1	Other Natural Gas	NG	FC
2031	6	11241	Entergy Louisiana LLC	Electric Utility	Nine Mile Point	LA	1403	6(4)	738.0	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	6909	Gainesville Regional Utilities	Electric Utility	Deerhaven Generating Station	FL	663	2	232.0	Natural Gas Steam Turbine	NG	ST
2031	12	54888	NRG Texas Power LLC	IPP	San Jacinto Steam Electric Station	TX	7325	1	81.0	Natural Gas Fired Combustion Turbine	NG	GT
2031	12	54888	NRG Texas Power LLC	IPP	San Jacinto Steam Electric Station	TX	7325	2	81.0	Natural Gas Fired Combustion Turbine	NG	GT
2031	12	17718	Southwestern Public Service Co	Electric Utility	Jones	TX	3482	1	243.0	Natural Gas Steam Turbine	NG	ST
2031	12	18642	Tennessee Valley Authority	Electric Utility	Gallatin (TN)	TN	3403	1	225.0	Conventional Steam Coal	SUB	ST
2031	12	18642	Tennessee Valley Authority	Electric Utility	Gallatin (TN)	TN	3403	2	225.0	Conventional Steam Coal	SUB	ST
2031	12	18642	Tennessee Valley Authority	Electric Utility	Gallatin (TN)	TN	3403	3	263.0	Conventional Steam Coal	SUB	ST
2031	12	18642	Tennessee Valley Authority	Electric Utility	Gallatin (TN)	TN	3403	4	263.0	Conventional Steam Coal	SUB	ST
2031	12	18642	Tennessee Valley Authority	Electric Utility	Gallatin (TN)	TN	3403	GT1	71.5	Natural Gas Fired Combustion Turbine	NG	GT
2031	12	18642	Tennessee Valley Authority	Electric Utility	Gallatin (TN)	TN	3403	GT2	71.5	Natural Gas Fired Combustion Turbine	NG	GT
2031	12	18642	Tennessee Valley Authority	Electric Utility	Gallatin (TN)	TN	3403	GT3	71.5	Natural Gas Fired Combustion Turbine	NG	GT
2031	12	18642	Tennessee Valley Authority	Electric Utility	Gallatin (TN)	TN	3403	GT4	71.5	Natural Gas Fired Combustion Turbine	NG	GT
2031	12	18642	Tennessee Valley Authority	Electric Utility	Gallatin (TN)	TN	3403	GT5	73.4	Natural Gas Fired Combustion Turbine	NG	GT
2031	12	18642	Tennessee Valley Authority	Electric Utility	Gallatin (TN)	TN	3403	GT6	73.4	Natural Gas Fired Combustion Turbine	NG	GT
2031	12	18642	Tennessee Valley Authority	Electric Utility	Gallatin (TN)	TN	3403	GT7	73.4	Natural Gas Fired Combustion Turbine	NG	GT
2031	12	18642	Tennessee Valley Authority	Electric Utility	Gallatin (TN)	TN	3403	GT8	73.4	Natural Gas Fired Combustion Turbine	NG	GT
2032	8	64400	Flower Valley	IPP	Flower Valley I	TX	64915	FLRV1	9.9	Batteries	MWH	BA
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	742.1	Natural Gas Steam Turbine	NG	ST
2033	12	18642	Tennessee Valley Authority	Electric Utility	Shawnee	KY	1379	1	134.0	Conventional Steam Coal	SUB	ST
2033	12	18642	Tennessee Valley Authority	Electric Utility	Shawnee	KY	1379	2	134.0	Conventional Steam Coal	SUB	ST
2033	12	18642	Tennessee Valley Authority	Electric Utility	Shawnee	KY	1379	4	134.0	Conventional Steam Coal	SUB	ST
2033	12	18642	Tennessee Valley Authority	Electric Utility	Shawnee	KY	1379	5	134.0	Conventional Steam Coal	SUB	ST
2033	12	18642	Tennessee Valley Authority	Electric Utility	Shawnee	KY	1379	6	134.0	Conventional Steam Coal	SUB	ST
2033	12	18642	Tennessee Valley Authority	Electric Utility	Shawnee	KY	1379	7	134.0	Conventional Steam Coal	SUB	ST
2033	12	18642	Tennessee Valley Authority	Electric Utility	Shawnee	KY	1379	8	134.0	Conventional Steam Coal	SUB	ST
2033	12	18642	Tennessee Valley Authority	Electric Utility	Shawnee	KY	1379	9	134.0	Conventional Steam Coal	SUB	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
2035	6	12685	Entergy Mississippi LLC	Electric Utility	Gerald Andrus	MS	8054	1	706.5	Natural Gas Steam Turbine	NG	ST
2035	12	20169	Avista Corp	Electric Utility	Northeast (WA)	WA	6210	1	45.0	Natural Gas Fired Combustion Turbine	NG	GT
2036	12	14354	PacifiCorp	Electric Utility	Huntington	UT	8069	1	459.0	Conventional Steam Coal	BIT	ST
2036	12	14354	PacifiCorp	Electric Utility	Huntington	UT	8069	2	450.0	Conventional Steam Coal	BIT	ST
2036	12	17718	Southwestern Public Service Co	Electric Utility	Harrington	TX	6193	1	339.0	Conventional Steam Coal	SUB	ST
2037	12	14354	PacifiCorp	Electric Utility	Jim Bridger	WY	8066	1	531.0	Conventional Steam Coal	SUB	ST
2037	12	14354	PacifiCorp	Electric Utility	Jim Bridger	WY	8066	2	539.0	Conventional Steam Coal	SUB	ST
2037	12	14354	PacifiCorp	Electric Utility	Jim Bridger	WY	8066	3	523.0	Conventional Steam Coal	SUB	ST
2037	12	14354	PacifiCorp	Electric Utility	Jim Bridger	WY	8066	4	526.0	Conventional Steam Coal	SUB	ST
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

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
2038	12	17718	Southwestern Public Service Co	Electric Utility	Harrington	TX	6193	2	339.0	Conventional Steam Coal	SUB	ST
2039	12	14354	PacifiCorp	Electric Utility	Wyodak	WY	6101	1	332.0	Conventional Steam Coal	SUB	ST
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
2041	4	63424	Silverstrand Grid, LLC	IPP	Silverstrand Grid Energy Storage System	CA	63735	SLV01	11.0	Batteries	MWH	BA
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	12	62915	Madison Energy Holdings LLC	IPP	ESCA-LL-COLTON, LLC	CA	64270	COLT1	2.6	Solar Photovoltaic	SUN	PV
2047	7	60455	PVN Milliken, LLC	IPP	PVN Milliken, LLC	CA	60790	PV	3.0	Solar Photovoltaic	SUN	PV
2049	4	61612	Panda Solar NC 1, LLC	IPP	Panda Solar NC 1, LLC	NC	62089	20002	1.0	Solar Photovoltaic	SUN	PV
2049	4	61655	Panda Solar NC 2, LLC	IPP	Panda Solar NC 2, LLC	NC	62120	20003	2.0	Solar Photovoltaic	SUN	PV
2049	6	61663	Panda Solar NC 10, LLC	IPP	Panda Solar NC 10, LLC	NC	62128	20031	2.0	Solar Photovoltaic	SUN	PV
2049	6	61664	Panda Solar NC 11, LLC	IPP	Panda Solar NC 11, LLC	NC	62129	20032	2.0	Solar Photovoltaic	SUN	PV
2049	6	61656	Panda Solar NC 3, LLC	IPP	Panda Solar NC 3, LLC	NC	62121	20011	2.0	Solar Photovoltaic	SUN	PV
2049	6	61658	Panda Solar NC 5, LLC	IPP	Panda Solar NC 5, LLC	NC	62123	20007	1.0	Solar Photovoltaic	SUN	PV
2049	6	61660	Panda Solar NC 6, LLC	IPP	Panda Solar NC 6, LLC	NC	62124	20028	1.0	Solar Photovoltaic	SUN	PV
2049	6	61662	Panda Solar NC 9, LLC	IPP	Panda Solar NC 9, LLC	NC	62127	20022	2.0	Solar Photovoltaic	SUN	PV
2049	9	61661	Panda Solar NC 8, LLC	IPP	Panda Solar NC 8, LLC	NC	62126	20052	2.0	Solar Photovoltaic	SUN	PV
2056	12	17718	Southwestern Public Service Co	Electric Utility	Jones	TX	3482	3	166.0	Natural Gas Fired Combustion Turbine	NG	GT
2058	12	17718	Southwestern Public Service Co	Electric Utility	Jones	TX	3482	4	168.0	Natural Gas Fired Combustion Turbine	NG	GT

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this table.
Entity ID and Plant ID are official, unique identification numbers assigned by EIA; Generator IDs are assigned by plant owners and/or operators.
Descriptions for the Energy Source Codes and the Prime Mover Codes listed in the table can be found in the Technical Notes.

Table 6.07.A. Capacity Factors for Utility Scale Generators Primarily Using Fossil Fuels

	Coal		Natural Gas								Petroleum					
Year/Month			Combined Cycle		Gas Turbine		Steam Turbine		Internal Combustion		Steam Turbine		Gas Turbine		Internal Combustion	
	Time Adjusted Capacity	Capacity Factor	Time Adjusted Capacity	Capacity Factor	Time Adjusted Capacity	Capacity Factor	Time Adjusted Capacity	Capacity Factor	Time Adjusted Capacity	Capacity Factor	Time Adjusted Capacity	Capacity Factor	Time Adjusted Capacity	Capacity Factor	Time Adjusted Capacity	Capacity Factor
Annual Data																
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	220,623.2	40.5%	274,300.4	57.0%	129,085.6	11.5%	75,462.3	14.2%	5,123.0	15.1%	8,443.3	13.9%	13,875.8	1.2%	5,300.7	1.8%
2021	210,978.2	49.3%	277,645.7	54.4%	129,641.0	12.1%	74,783.7	13.1%	5,259.0	16.0%	7,423.5	16.4%	13,711.1	1.8%	5,296.3	1.8%
Year 2020																
January	224,000.9	39.4%	270,457.6	58.9%	129,134.8	10.7%	75,759.1	9.4%	5,022.2	14.8%	8,509.9	13.7%	14,106.6	1.3%	5,302.8	2.1%
February	223,958.4	36.8%	270,600.6	59.1%	129,212.5	11.1%	75,759.1	9.4%	5,021.6	14.0%	8,509.9	10.7%	14,082.6	1.1%	5,304.8	1.9%
March	223,101.0	31.2%	271,881.9	52.9%	129,140.8	10.7%	75,735.3	10.7%	5,024.6	14.9%	8,509.9	14.7%	13,850.6	1.1%	5,309.8	1.7%
April	223,121.0	25.8%	272,881.9	47.9%	129,138.0	9.3%	75,735.3	10.2%	5,122.3	12.9%	8,509.9	13.6%	13,850.6	0.8%	5,302.3	1.6%
May	222,401.0	28.8%	274,126.1	48.3%	129,126.0	9.8%	75,597.3	11.9%	5,160.7	12.3%	8,509.9	13.0%	13,850.6	1.0%	5,302.7	1.5%
June	221,034.1	41.8%	275,883.2	59.9%	128,925.2	12.7%	75,478.8	18.3%	5,153.4	14.9%	8,509.9	15.6%	13,850.6	1.2%	5,295.2	1.7%
July	221,034.1	55.3%	275,883.2	71.5%	129,015.4	16.7%	75,461.0	28.4%	5,155.8	18.3%	8,509.9	16.2%	13,850.6	1.7%	5,301.2	1.9%
August	219,894.1	56.5%	275,897.3	69.8%	129,136.8	14.4%	75,449.0	24.1%	5,157.0	18.7%	8,509.9	16.3%	13,850.6	1.4%	5,309.1	1.9%
Sept	218,736.1	44.1%	275,939.6	60.4%	129,076.1	11.3%	75,449.0	15.2%	5,158.2	16.0%	8,509.9	11.4%	13,850.6	1.1%	5,295.0	1.8%
October	217,597.1	37.7%	275,952.2	53.5%	129,035.1	11.2%	75,111.0	14.8%	5,161.4	15.8%	8,509.9	9.2%	13,826.6	1.1%	5,295.0	1.9%
November	217,184.1	39.6%	275,967.2	47.6%	128,966.1	9.3%	75,111.0	9.0%	5,163.0	14.5%	8,509.9	15.0%	13,826.6	1.0%	5,296.4	1.5%
December	215,554.2	49.1%	276,007.2	54.3%	129,120.9	10.2%	74,918.0	8.4%	5,172.7	13.9%	7,723.9	17.4%	13,721.9	1.2%	5,294.2	1.8%
Year 2021																
January	214,053.6	51.7%	276,055.1	54.5%	128,772.7	8.0%	74,965.2	8.2%	5,203.7	11.1%	7,723.9	18.4%	13,717.4	0.7%	5,300.7	1.0%
February	212,430.3	61.4%	277,055.1	50.9%	129,064.5	10.8%	74,965.8	12.4%	5,201.4	14.6%	7,723.9	17.4%	13,717.4	4.7%	5,295.4	1.7%
March	212,015.6	39.9%	276,928.5	44.6%	128,751.7	8.3%	74,965.8	7.9%	5,202.7	13.3%	7,723.9	16.2%	13,717.4	0.9%	5,300.8	1.6%
April	211,673.6	35.9%	276,948.3	44.8%	129,309.8	10.7%	74,965.8	10.3%	5,203.3	14.9%	7,723.9	9.9%	13,717.4	1.3%	5,297.7	1.4%
May	211,113.1	41.1%	277,016.3	47.0%	129,590.7	9.6%	74,862.7	10.9%	5,262.4	12.2%	7,723.9	13.1%	13,717.4	1.1%	5,293.4	1.2%
June	210,141.0	58.5%	277,086.3	60.9%	129,591.3	15.5%	74,862.2	18.9%	5,261.0	18.8%	7,211.5	12.4%	13,708.3	2.1%	5,291.3	1.8%
July	210,141.0	65.7%	277,086.3	66.9%	129,624.9	17.4%	74,770.4	20.6%	5,259.4	21.8%	7,211.5	18.9%	13,708.3	2.3%	5,291.2	1.8%
August	210,141.0	65.9%	277,854.2	67.4%	129,965.0	18.6%	74,770.4	22.1%	5,283.8	22.4%	7,211.5	20.3%	13,708.3	3.2%	5,296.0	2.3%
Sept	210,141.0	53.1%	278,413.4	58.0%	130,131.4	11.7%	74,621.4	14.8%	5,289.2	17.9%	7,211.5	18.4%	13,708.3	1.3%	5,297.8	2.3%
October	210,141.0	40.9%	278,428.4	52.7%	130,131.4	12.6%	74,561.4	13.0%	5,302.0	16.4%	7,211.5	18.1%	13,708.3	1.7%	5,297.0	2.5%
November	210,141.0	39.1%	279,151.9	51.4%	130,364.9	11.7%	74,561.4	10.0%	5,314.0	14.9%	7,211.5	18.4%	13,708.3	1.4%	5,297.0	2.2%
December	209,688.1	39.5%	279,700.5	53.0%	130,364.9	9.9%	74,545.4	8.5%	5,320.0	13.2%	7,211.5	15.5%	13,697.3	0.8%	5,297.0	1.8%
Year 2022																
January	209,614.1	56.7%	279,835.4	56.2%	132,032.1	12.0%	74,678.7	12.9%	5,299.1	14.1%	7,252.3	22.0%	13,716.5	4.4%	5,322.1	1.8%

Values for 2020 and prior years are final. Values for 2021 and 2022 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																		
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	2,561.5	69.1%	79,810.4	40.7%	97,238.3	92.4%	4,653.8	62.5%	2,275.2	64.6%	39,458.1	24.2%	1,747.9	20.6%	107,387.7	35.3%	8,327.2	57.8%
2021	2,588.5	71.0%	79,995.7	37.1%	95,747.9	92.7%	4,561.8	63.5%	2,264.7	62.4%	51,047.1	24.6%	1,631.0	20.5%	123,937.5	34.6%	8,199.4	59.5%
Year 2020																		
January	2,554.7	59.0%	79,765.8	41.3%	98,093.5	101.6%	4,700.3	64.5%	2,275.2	69.7%	35,875.0	15.7%	1,747.9	8.2%	103,858.1	36.2%	8,351.2	62.6%
February	2,554.7	67.7%	79,765.8	46.6%	98,093.5	96.5%	4,700.9	62.6%	2,275.2	67.2%	37,077.5	20.6%	1,747.9	14.6%	104,551.4	39.9%	8,321.7	63.0%
March	2,554.7	75.5%	79,765.8	40.1%	98,093.5	87.7%	4,700.0	65.0%	2,275.2	57.9%	37,500.2	21.8%	1,747.9	14.7%	104,636.5	37.5%	8,321.7	59.2%
April	2,540.1	72.8%	79,765.8	40.4%	97,082.0	83.9%	4,700.0	63.4%	2,275.2	60.6%	37,735.2	27.5%	1,747.9	24.3%	106,196.7	38.6%	8,321.7	56.2%
May	2,550.8	69.9%	79,769.8	50.5%	97,082.0	89.1%	4,698.0	62.9%	2,275.2	62.6%	38,408.7	31.4%	1,747.9	31.7%	106,475.5	35.4%	8,321.7	54.7%
June	2,550.8	67.6%	79,769.8	48.8%	97,082.0	96.2%	4,622.3	60.0%	2,275.2	64.1%	38,802.8	32.1%	1,747.9	29.9%	107,334.9	38.7%	8,308.0	55.2%
July	2,571.9	68.3%	79,771.8	45.1%	97,082.0	96.1%	4,619.2	63.0%	2,275.2	65.7%	39,865.9	33.3%	1,747.9	33.3%	107,951.1	28.2%	8,308.0	56.0%
August	2,571.9	68.0%	79,793.0	39.2%	97,082.0	95.5%	4,619.2	63.7%	2,275.2	66.9%	40,454.3	29.0%	1,747.9	28.2%	108,153.1	28.4%	8,308.0	58.5%
Sept	2,571.9	68.3%	79,793.0	32.5%	97,082.0	94.0%	4,618.4	61.6%	2,275.2	68.3%	41,058.4	24.8%	1,747.9	22.5%	108,677.1	29.3%	8,346.0	56.4%
October	2,571.9	65.9%	79,919.7	31.6%	97,102.0	82.2%	4,617.1	59.5%	2,275.2	60.5%	41,672.4	21.7%	1,747.9	20.0%	109,470.5	34.9%	8,346.0	54.3%
November	2,571.9	74.0%	79,919.7	36.3%	96,500.6	88.9%	4,629.9	60.7%	2,275.2	64.4%	42,042.0	17.9%	1,747.9	13.0%	109,794.4	41.1%	8,346.0	57.5%
December	2,571.9	71.8%	79,921.7	36.2%	96,500.6	97.3%	4,621.9	63.5%	2,275.2	67.9%	42,910.0	14.9%	1,747.9	7.1%	111,449.8	36.5%	8,326.5	60.5%
Year 2021																		
January	2,571.9	71.1%	79,952.9	43.4%	96,531.0	99.9%	4,578.0	65.1%	2,275.2	71.0%	46,381.4	16.2%	1,747.9	6.3%	118,385.8	34.1%	8,325.7	61.5%
February	2,571.9	75.4%	79,957.9	40.2%	96,531.0	97.0%	4,579.0	63.4%	2,275.2	68.0%	46,770.7	19.7%	1,747.9	11.4%	119,491.9	33.1%	8,325.7	60.8%
March	2,571.9	64.6%	79,956.7	36.3%	96,531.0	88.7%	4,569.4	65.0%	2,275.2	64.5%	47,453.6	25.1%	1,747.9	19.8%	120,458.7	44.0%	8,182.7	60.7%
April	2,571.9	68.6%	79,957.5	33.4%	95,491.6	82.2%	4,569.4	64.0%	2,275.2	57.4%	49,068.2	29.4%	1,739.9	26.7%	121,374.3	40.9%	8,182.7	53.7%
May	2,596.7	70.2%	79,962.7	38.3%	95,491.6	89.2%	4,558.2	63.8%	2,275.2	59.8%	49,601.1	31.9%	1,739.9	30.2%	121,887.9	36.4%	8,182.7	57.4%
June	2,596.7	75.2%	79,999.6	41.8%	95,491.6	96.1%	4,557.5	64.2%	2,275.2	64.5%	50,254.9	31.3%	1,739.9	25.8%	123,250.7	29.4%	8,182.7	61.9%
July	2,596.7	71.8%	80,027.1	37.1%	95,491.6	96.9%	4,558.6	63.4%	2,275.2	66.2%	51,060.0	30.2%	1,559.9	22.3%	124,899.1	22.9%	8,167.5	60.6%
August	2,596.7	70.1%	80,024.7	35.3%	95,491.6	97.8%	4,558.6	62.4%	2,250.2	65.3%	52,011.0	28.9%	1,559.9	29.6%	126,166.9	28.5%	8,167.5	62.5%
Sept	2,596.7	72.2%	80,024.7	31.2%	95,491.6	93.8%	4,547.3	62.6%	2,250.2	64.4%	53,484.7	27.6%	1,559.9	26.8%	126,505.3	31.4%	8,167.5	60.2%
October	2,596.7	67.3%	80,027.2	30.2%	95,491.6	80.2%	4,555.3	61.3%	2,250.2	63.3%	54,510.7	21.9%	1,479.9	19.9%	126,853.5	34.1%	8,172.5	57.0%
November	2,596.7	71.4%	80,027.2	35.5%	95,491.6	91.3%	4,557.3	61.0%	2,250.2	52.6%	55,338.1	19.0%	1,479.9	17.9%	128,269.8	38.7%	8,172.5	56.5%
December	2,596.7	74.6%	80,027.1	43.1%	95,491.6	99.5%	4,554.1	65.5%	2,250.2	51.7%	56,344.3	14.1%	1,479.9	8.5%	129,394.1	41.6%	8,172.5	61.2%
Year 2022																		
January	2,596.7	77.0%	80,031.0	45.4%	95,488.8	99.3%	4,542.4	61.3%	2,241.3	63.6%	59,717.0	17.4%	1,479.9	11.3%	132,428.3	38.5%	8,150.7	59.7%

Values for 2020 and prior years are final. Values for 2021 and 2022 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	1,210.3	5.2%	22,939.6	10.5%
2021	2,614.7	4.6%	23,021.0	10.2%
Year 2020				
January	1,023.4	5.3%	22,917.9	9.0%
February	1,038.8	5.7%	22,917.9	9.1%
March	1,052.5	6.3%	22,917.9	7.9%
April	1,077.2	5.6%	22,917.9	8.2%
May	1,093.1	5.3%	22,917.9	10.8%
June	1,106.9	5.4%	22,917.9	13.4%
July	1,110.5	5.3%	22,917.9	15.9%
August	1,363.8	4.7%	22,917.9	15.0%
Sept	1,395.5	5.0%	22,917.9	11.6%
October	1,395.5	4.8%	22,997.9	8.4%
November	1,419.8	5.0%	22,997.9	7.6%
December	1,440.6	4.6%	23,016.2	8.6%
Year 2021				
January	1,508.7	3.2%	23,019.2	8.1%
February	1,644.7	4.8%	23,019.2	9.0%
March	1,656.2	4.6%	23,019.2	7.4%
April	1,783.0	4.3%	23,019.2	7.2%
May	1,957.3	5.3%	23,019.2	8.7%
June	2,495.9	5.7%	23,022.2	12.4%
July	2,768.3	5.0%	23,022.2	15.2%
August	3,021.7	5.4%	23,022.2	15.9%
Sept	3,082.9	4.7%	23,022.2	12.7%
October	3,271.6	4.1%	23,022.2	9.7%
November	3,731.8	4.2%	23,022.2	7.7%
December	4,381.1	4.2%	23,022.2	8.6%
Year 2022				
January	4,706.8	4.0%	23,022.2	9.5%

Values for 2020 and prior years are final. Values for 2021 and 2022 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 2022

Figure 6.1.B. Utility-Scale Generating Units Retired in January 2022

Figure 6.1.C. Utility-Scale Generating Units Planned to Come Online from February 2022 to January 2023

Figure 6.1.D. Utility-Scale Generating Units Planned to Retire from February 2022 to January 2023

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	4,447,623	4,279,573	61,448,863	14,134,679	47,314,184
2021	48,140,421	10,067,376	5,026,164	3,773,787	53,166,585	13,841,163	39,325,422
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	269,494	347,127	4,703,364	1,459,314	3,244,050
May	4,958,324	1,043,022	240,047	450,202	5,198,371	1,493,224	3,705,147
June	4,915,670	867,147	287,788	432,937	5,203,458	1,300,084	3,903,374
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
Year 2021							
January	4,704,053	764,859	382,375	176,356	5,086,428	941,215	4,145,213
February	3,694,597	966,157	329,258	130,830	4,023,855	1,096,987	2,926,868
March	4,150,647	615,492	418,749	127,676	4,569,396	743,168	3,826,228
April	3,820,797	660,485	568,509	404,501	4,389,306	1,064,986	3,324,320
May	4,299,497	655,595	367,631	316,684	4,667,128	972,279	3,694,849
June	4,795,957	514,160	449,611	289,728	5,245,568	803,888	4,441,680
July	4,988,832	633,880	522,740	459,312	5,511,572	1,093,192	4,418,380
August	4,183,247	762,033	454,166	498,944	4,637,413	1,260,977	3,376,436
Sept	3,561,311	760,958	353,853	408,985	3,915,164	1,169,943	2,745,221
October	3,703,920	1,005,425	454,914	302,166	4,158,834	1,307,591	2,851,243
November	2,709,889	1,427,449	254,724	375,267	2,964,613	1,802,716	1,161,897
December	3,527,674	1,300,883	469,634	283,338	3,997,308	1,584,221	2,413,087

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, 2012 - January 2022 (Thousand Megawatthours)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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
2020	6,908	7,320	1,910	0	16,138
Year 2020					
January	474	602	137	0	1,213
February	372	541	120	0	1,033
March	488	692	184	0	1,364
April	509	476	138	0	1,124
May	651	501	160	0	1,311
June	641	624	173	0	1,438
July	703	693	172	0	1,567
August	649	643	177	0	1,468
Sept	678	644	167	0	1,490
October	634	704	157	0	1,495
November	579	638	162	0	1,378
December	531	563	162	0	1,255
Year 2021					
January	532	560	132	0	1,224
February	453	506	147	0	1,105
March	526	636	177	0	1,339
April	540	640	139	0	1,319
May	611	656	160	0	1,427
June	596	628	126	0	1,350
July	657	699	149	0	1,506
August	678	626	217	0	1,521
Sept	720	669	170	0	1,560
October	628	586	142	0	1,355
November	608	567	137	0	1,312
December	570	700	158	0	1,428
Year 2022					
January	529	572	163	0	1,264
Year to Date					
2020	474	602	137	0	1,213
2021	532	560	132	0	1,224
2022	529	572	163	0	1,264
Rolling 12 Months Ending in January					
2021	6,966	7,278	1,904	0	16,149
2022	7,116	7,484	1,885	0	16,484

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, 2012 - January 2022 (Million Dollars)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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
2020	1,329	1,568	361	0	3,258
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
February	72	95	23	0	190
March	120	149	41	0	310
April	108	150	23	0	281
May	121	135	29	0	285
June	138	152	30	0	320
July	133	170	31	0	333
August	158	162	50	0	370
Sept	161	179	37	0	377
October	142	167	32	0	342
November	138	161	31	0	331
December	123	170	33	0	327
Year 2022					
January	136	154	40	0	331
Year to Date					
2020	122	180	36	0	338
2021	92	108	22	0	222
2022	136	154	40	0	331
Rolling 12 Months Ending in January					
2021	1,299	1,496	347	0	3,143
2022	1,550	1,844	401	0	3,795

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, 2012 - January 2022

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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
2020	1,351,190	125,391	587	0	1,477,168
Year 2020					
January	1,347,813	125,360	589	0	1,473,762
February	1,347,163	125,296	587	0	1,473,046
March	1,346,663	125,159	585	0	1,472,407
April	1,347,149	125,148	586	0	1,472,883
May	1,348,106	125,175	586	0	1,473,867
June	1,348,993	125,185	587	0	1,474,765
July	1,350,313	125,209	588	0	1,476,110
August	1,352,453	125,317	589	0	1,478,359
Sept	1,354,645	125,523	588	0	1,480,756
October	1,355,783	125,643	587	0	1,482,013
November	1,356,794	125,745	588	0	1,483,127
December	1,358,407	125,937	588	0	1,484,932
Year 2021					
January	1,351,470	125,336	588	0	1,477,394
February	1,352,011	125,414	588	0	1,478,013
March	1,353,210	125,561	590	0	1,479,361
April	1,354,747	125,716	590	0	1,481,053
May	1,356,556	125,949	590	0	1,483,095
June	1,357,962	126,091	590	0	1,484,643
July	1,358,817	126,123	591	0	1,485,531
August	1,360,699	126,310	592	0	1,487,601
Sept	1,361,984	126,526	593	0	1,489,103
October	1,363,578	126,708	595	0	1,490,881
November	1,365,047	127,015	593	0	1,492,655
December	1,366,080	127,132	593	0	1,493,805
Year 2022					
January	1,366,102	127,192	590	0	1,493,884
Rolling 12 Months Ending in January					
2021	1,351,495	125,389	587	0	1,477,472
2022	1,359,733	126,311	591	0	1,486,635

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, 2012 - January 2022 (Cents per Kilowatthour)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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
2020	19.24	21.43	18.89	--	20.19
Year 2020					
January	25.75	29.96	26.04	--	27.87
February	26.66	29.78	26.48	--	28.27
March	17.82	20.68	18.38	--	19.35
April	16.76	16.58	15.81	--	16.57
May	23.28	23.63	23.21	--	23.40
June	17.01	19.03	16.89	--	17.87
July	20.08	20.94	19.14	--	20.36
August	15.93	19.32	15.40	--	17.35
Sept	17.14	18.83	16.78	--	17.83
October	15.32	16.65	14.41	--	15.85
November	19.22	21.29	18.33	--	20.07
December	19.95	22.11	18.87	--	20.78
Year 2021					
January	17.37	19.27	16.78	--	18.17
February	15.90	18.76	15.57	--	17.17
March	22.86	23.40	23.12	--	23.15
April	20.00	23.39	16.87	--	21.31
May	19.74	20.64	18.12	--	19.97
June	23.22	24.17	23.48	--	23.69
July	20.18	24.25	20.99	--	22.15
August	23.26	25.94	22.88	--	24.31
Sept	22.29	26.77	21.82	--	24.16
October	22.68	28.45	22.92	--	25.20
November	22.73	28.45	22.92	--	25.22
December	21.60	24.34	21.06	--	22.89
Year 2022					
January	25.72	26.97	24.76	--	26.16
Year to Date					
2020	25.75	29.96	26.04	--	27.87
2021	17.37	19.27	16.78	--	18.17
2022	25.72	26.97	24.76	--	26.16
Rolling 12 Months Ending in January					
2021	18.65	20.56	18.23	--	19.46
2022	21.78	24.64	21.30	--	23.02

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 2022

Period	Coal	Hydroelectric Conventional	Natural Gas	Other	Petroleum	Solar	Wind	Total
Annual Totals								
2007	454	98	1,163	0	3,055	0	0	4,770
2008	454	98	1,163	0	3,486	0	0	5,201
2009	454	98	1,163	0	3,606	0	0	5,321
2010	454	98	1,163	0	3,606	0	0	5,321
2011	454	98	1,163	0	3,606	5	0	5,326
2012	454	98	1,163	0	3,606	23	98	5,442
2013	454	98	1,163	0	3,606	26	98	5,445
2014	454	98	1,163	0	3,608	38	99	5,460
2015	454	98	1,163	9	3,612	70	99	5,505
2016	454	98	1,163	33	3,612	145	99	5,604
2017	454	98	1,163	35	3,613	145	99	5,607
2018	454	98	1,346	35	3,615	145	99	5,792
2019	454	98	1,346	35	3,615	149	99	5,796
2020	454	98	1,346	38	3,615	159	99	5,808
2021	454	98	1,346	38	3,619	159	99	5,812
Year 2022								
January	454	98	1,346	35	3,619	155	99	5,806

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 2022

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**9**	**0**	**3**	**0**	**0**	**8**
Connecticut	0	131	0	3	0	0	27
Maine	0	3	0	13	0	0	9
Massachusetts	0	7	0	6	0	0	18
New Hampshire	0	5	0	0	0	0	18
Rhode Island	0	140	0	18	0	0	0
Vermont	0	171	0	0	0	0	15
Middle Atlantic	**3**	**9**	**0**	**1**	**19**	**0**	**2**
New Jersey	0	45	0	6	0	0	0
New York	0	8	0	4	0	0	1
Pennsylvania	4	49	0	1	24	0	11
East North Central	**1**	**95**	**16**	**2**	**6**	**0**	**10**
Illinois	0	57	0	11	0	0	33
Indiana	2	68	0	4	10	0	32
Michigan	2	9	0	3	0	0	17
Ohio	2	57	30	2	16	0	26
Wisconsin	1	1,560	0	2	0	0	14
West North Central	**1**	**23**	**0**	**6**	**0**	**0**	**7**
Iowa	1	45	0	6	0	0	22
Kansas	0	36	0	15	0	0	0
Minnesota	1	45	0	9	0	0	23
Missouri	0	40	0	16	0	0	11
Nebraska	6	43	0	46	0	0	19
North Dakota	0	9	0	38	0	0	15
South Dakota	0	94	0	39	0	0	10
South Atlantic	**0**	**28**	**9**	**1**	**0**	**0**	**4**
Delaware	0	152	0	19	0	0	0
District of Columbia	0	3,701	0	66	0	0	0
Florida	0	35	0	1	0	0	31
Georgia	1	32	62	2	0	0	7
Maryland	0	84	0	6	0	0	2
North Carolina	0	160	0	1	0	0	6
South Carolina	0	26	0	1	0	0	10
Virginia	0	47	0	2	0	0	12
West Virginia	1	0	0	20	0	0	12
East South Central	**0**	**23**	**0**	**1**	**61**	**0**	**3**
Alabama	0	95	0	2	2,802	0	4
Kentucky	0	44	0	4	0	0	6
Mississippi	0	70	0	1	0	0	0
Tennessee	0	0	0	4	0	0	4
West South Central	**0**	**45**	**1**	**1**	**3**	**0**	**6**
Arkansas	0	11	0	5	0	0	8
Louisiana	0	127	0	1	6	0	13
Oklahoma	0	15	0	3	0	0	9
Texas	0	172	23	1	3	0	18
Mountain	**2**	**4**	**0**	**1**	**6**	**0**	**4**
Arizona	0	3	0	1	0	0	5
Colorado	0	21	0	1	97	0	17
Idaho	162	0	0	14	0	0	8
Montana	7	344	0	12	0	0	7
Nevada	0	0	0	0	0	0	5
New Mexico	0	16	0	2	0	0	54
Utah	0	7	0	1	0	0	26
Wyoming	5	2	0	12	3	0	22
Pacific Contiguous	**0**	**127**	**0**	**1**	**2**	**0**	**1**
California	0	8	0	0	2	0	11
Oregon	0	16,719	0	4	0	0	3
Washington	0	27	0	7	0	0	1
Pacific Noncontiguous	**22**	**1**	**0**	**28**	**0**	**0**	**17**
Alaska	41	5	0	28	0	0	18
Hawaii	0	1	0	0	0	0	62
U.S. Total	**0**	**6**	**5**	**1**	**3**	**0**	**1**

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

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

Total (All Sectors) by Census Division and State, January 2022 (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**	**5**	**5**	**0**	**1**	**2**
Connecticut	0	0	0	13	13	0	0	3
Maine	0	0	0	16	6	0	0	4
Massachusetts	0	0	0	7	5	0	1	4
New Hampshire	0	0	0	138	18	0	0	2
Rhode Island	0	0	0	17	9	0	0	16
Vermont	0	0	0	22	8	0	0	8
Middle Atlantic	**0**	**0**	**0**	**5**	**3**	**0**	**1**	**1**
New Jersey	0	0	0	7	4	0	0	2
New York	0	0	0	8	4	0	2	2
Pennsylvania	0	0	0	18	6	0	0	1
East North Central	**0**	**0**	**0**	**3**	**2**	**0**	**2**	**1**
Illinois	0	0	0	6	2	0	0	1
Indiana	0	0	0	8	3	0	0	2
Michigan	0	0	0	9	4	0	10	1
Ohio	0	0	0	6	2	0	0	1
Wisconsin	0	0	0	7	6	0	23	2
West North Central	**0**	**0**	**0**	**5**	**1**	**0**	**5**	**1**
Iowa	0	0	0	11	2	0	0	1
Kansas	0	0	0	19	2	0	0	1
Minnesota	0	0	0	6	4	0	4	2
Missouri	0	0	0	21	1	0	0	1
Nebraska	0	0	0	35	4	0	0	3
North Dakota	0	0	0	0	4	0	28	2
South Dakota	0	0	0	183	3	0	0	4
South Atlantic	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0**
Delaware	0	0	0	28	17	0	0	15
District of Columbia	0	0	0	56	13	0	0	33
Florida	0	0	0	0	1	0	0	1
Georgia	0	0	0	2	2	0	0	1
Maryland	0	0	0	10	3	0	0	1
North Carolina	0	0	0	2	2	0	0	1
South Carolina	0	0	0	3	4	0	0	0
Virginia	0	0	0	3	5	0	0	1
West Virginia	0	0	0	0	0	0	0	1
East South Central	**0**	**0**	**0**	**2**	**2**	**0**	**13**	**1**
Alabama	0	0	0	3	3	0	0	1
Kentucky	0	0	0	38	13	0	0	1
Mississippi	0	0	0	2	3	0	0	1
Tennessee	0	0	0	8	6	0	124	1
West South Central	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**
Arkansas	0	0	0	3	4	0	0	2
Louisiana	0	0	0	13	4	0	0	1
Oklahoma	0	0	0	25	2	0	0	1
Texas	0	0	0	0	1	0	2	1
Mountain	**0**	**3**	**0**	**1**	**1**	**0**	**2**	**1**
Arizona	0	0	0	2	2	0	0	0
Colorado	0	0	0	3	2	0	0	1
Idaho	0	14	0	8	10	0	0	6
Montana	0	0	0	0	4	0	0	4
Nevada	0	3	0	1	1	0	0	0
New Mexico	0	0	0	5	2	0	0	1
Utah	0	7	0	2	1	0	9	1
Wyoming	0	0	0	0	3	0	0	4
Pacific Contiguous	**0**	**2**	**0**	**1**	**2**	**0**	**1**	**1**
California	0	2	0	1	2	0	1	1
Oregon	0	9	0	7	5	0	0	2
Washington	0	0	0	51	6	0	0	1
Pacific Noncontiguous	**0**	**63**	**0**	**7**	**11**	**0**	**0**	**6**
Alaska	0	0	0	0	39	0	0	13
Hawaii	0	63	0	7	11	0	0	2
U.S. Total	**0**	**2**	**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 2022

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**9**	**0**	**3**	**0**	**0**	**8**
Connecticut	0	131	0	3	0	0	27
Maine	0	3	0	13	0	0	9
Massachusetts	0	7	0	6	0	0	18
New Hampshire	0	5	0	0	0	0	18
Rhode Island	0	140	0	18	0	0	0
Vermont	0	171	0	0	0	0	15
Middle Atlantic	**3**	**9**	**0**	**1**	**19**	**0**	**2**
New Jersey	0	45	0	6	0	0	0
New York	0	8	0	4	0	0	1
Pennsylvania	4	49	0	1	24	0	11
East North Central	**1**	**95**	**16**	**2**	**6**	**0**	**10**
Illinois	0	57	0	11	0	0	33
Indiana	2	68	0	4	10	0	32
Michigan	2	9	0	3	0	0	17
Ohio	2	57	30	2	16	0	26
Wisconsin	1	1,560	0	2	0	0	14
West North Central	**1**	**23**	**0**	**6**	**0**	**0**	**7**
Iowa	1	45	0	6	0	0	22
Kansas	0	36	0	15	0	0	0
Minnesota	1	45	0	9	0	0	23
Missouri	0	40	0	16	0	0	11
Nebraska	6	43	0	46	0	0	19
North Dakota	0	9	0	38	0	0	15
South Dakota	0	94	0	39	0	0	10
South Atlantic	**0**	**28**	**9**	**1**	**0**	**0**	**4**
Delaware	0	152	0	19	0	0	0
District of Columbia	0	3,701	0	66	0	0	0
Florida	0	35	0	1	0	0	31
Georgia	1	32	62	2	0	0	7
Maryland	0	84	0	6	0	0	2
North Carolina	0	160	0	1	0	0	6
South Carolina	0	26	0	1	0	0	10
Virginia	0	47	0	2	0	0	12
West Virginia	1	0	0	20	0	0	12
East South Central	**0**	**23**	**0**	**1**	**61**	**0**	**3**
Alabama	0	95	0	2	2,802	0	4
Kentucky	0	44	0	4	0	0	6
Mississippi	0	70	0	1	0	0	0
Tennessee	0	0	0	4	0	0	4
West South Central	**0**	**45**	**1**	**1**	**3**	**0**	**6**
Arkansas	0	11	0	5	0	0	8
Louisiana	0	127	0	1	6	0	13
Oklahoma	0	15	0	3	0	0	9
Texas	0	172	23	1	3	0	18
Mountain	**2**	**4**	**0**	**1**	**6**	**0**	**4**
Arizona	0	3	0	1	0	0	5
Colorado	0	21	0	1	97	0	17
Idaho	162	0	0	14	0	0	8
Montana	7	344	0	12	0	0	7
Nevada	0	0	0	0	0	0	5
New Mexico	0	16	0	2	0	0	54
Utah	0	7	0	1	0	0	26
Wyoming	5	2	0	12	3	0	22
Pacific Contiguous	**0**	**127**	**0**	**1**	**2**	**0**	**1**
California	0	8	0	0	2	0	11
Oregon	0	16,719	0	4	0	0	3
Washington	0	27	0	7	0	0	1
Pacific Noncontiguous	**22**	**1**	**0**	**28**	**0**	**0**	**17**
Alaska	41	5	0	28	0	0	18
Hawaii	0	1	0	0	0	0	62
U.S. Total	**0**	**6**	**5**	**1**	**3**	**0**	**1**

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

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

Total (All Sectors) by Census Division and State, Year-to-Date through January 2022 (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**	**5**	**5**	**0**	**1**	**2**
Connecticut	0	0	0	13	13	0	0	3
Maine	0	0	0	16	6	0	0	4
Massachusetts	0	0	0	7	5	0	1	4
New Hampshire	0	0	0	138	18	0	0	2
Rhode Island	0	0	0	17	9	0	0	16
Vermont	0	0	0	22	8	0	0	8
Middle Atlantic	**0**	**0**	**0**	**5**	**3**	**0**	**1**	**1**
New Jersey	0	0	0	7	4	0	0	2
New York	0	0	0	8	4	0	2	2
Pennsylvania	0	0	0	18	6	0	0	1
East North Central	**0**	**0**	**0**	**3**	**2**	**0**	**2**	**1**
Illinois	0	0	0	6	2	0	0	1
Indiana	0	0	0	8	3	0	0	2
Michigan	0	0	0	9	4	0	10	1
Ohio	0	0	0	6	2	0	0	1
Wisconsin	0	0	0	7	6	0	23	2
West North Central	**0**	**0**	**0**	**5**	**1**	**0**	**5**	**1**
Iowa	0	0	0	11	2	0	0	1
Kansas	0	0	0	19	2	0	0	1
Minnesota	0	0	0	6	4	0	4	2
Missouri	0	0	0	21	1	0	0	1
Nebraska	0	0	0	35	4	0	0	3
North Dakota	0	0	0	0	4	0	28	2
South Dakota	0	0	0	183	3	0	0	4
South Atlantic	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0**
Delaware	0	0	0	28	17	0	0	15
District of Columbia	0	0	0	56	13	0	0	33
Florida	0	0	0	0	1	0	0	1
Georgia	0	0	0	2	2	0	0	1
Maryland	0	0	0	10	3	0	0	1
North Carolina	0	0	0	2	2	0	0	1
South Carolina	0	0	0	3	4	0	0	0
Virginia	0	0	0	3	5	0	0	1
West Virginia	0	0	0	0	0	0	0	1
East South Central	**0**	**0**	**0**	**2**	**2**	**0**	**13**	**1**
Alabama	0	0	0	3	3	0	0	1
Kentucky	0	0	0	38	13	0	0	1
Mississippi	0	0	0	2	3	0	0	1
Tennessee	0	0	0	8	6	0	124	1
West South Central	**0**	**0**	**0**	**0**	**1**	**0**	**1**	**0**
Arkansas	0	0	0	3	4	0	0	2
Louisiana	0	0	0	13	4	0	0	1
Oklahoma	0	0	0	25	2	0	0	1
Texas	0	0	0	0	1	0	2	1
Mountain	**0**	**3**	**0**	**1**	**1**	**0**	**2**	**1**
Arizona	0	0	0	2	2	0	0	0
Colorado	0	0	0	3	2	0	0	1
Idaho	0	14	0	8	10	0	0	6
Montana	0	0	0	0	4	0	0	4
Nevada	0	3	0	1	1	0	0	0
New Mexico	0	0	0	5	2	0	0	1
Utah	0	7	0	2	1	0	9	1
Wyoming	0	0	0	0	3	0	0	4
Pacific Contiguous	**0**	**2**	**0**	**1**	**2**	**0**	**1**	**1**
California	0	2	0	1	2	0	1	1
Oregon	0	9	0	7	5	0	0	2
Washington	0	0	0	51	6	0	0	1
Pacific Noncontiguous	**0**	**63**	**0**	**7**	**11**	**0**	**0**	**6**
Alaska	0	0	0	0	39	0	0	13
Hawaii	0	63	0	7	11	0	0	2
U.S. Total	**0**	**2**	**0**	**1**	**1**	**0**	**0**	**0**

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Table A.1.C. Relative Standard Error (Percent) for Small Scale Solar Generation and Capacity by Sector, Census Division and State, January 2022

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**2**	**.**	**0**
Connecticut	0	0	0	.	0
Maine	0	0	0	.	0
Massachusetts	0	1	3	.	0
New Hampshire	0	0	0	.	0
Rhode Island	0	0	0	.	0
Vermont	2	1	0	.	1
Middle Atlantic	**0**	**0**	**1**	**.**	**0**
New Jersey	0	0	2	.	0
New York	0	0	1	.	0
Pennsylvania	0	1	0	.	1
East North Central	**2**	**1**	**3**	**.**	**1**
Illinois	2	1	0	.	1
Indiana	7	1	30	.	3
Michigan	3	6	32	.	3
Ohio	5	2	3	.	3
Wisconsin	7	5	4	.	4
West North Central	**1**	**1**	**3**	**.**	**1**
Iowa	3	2	10	.	1
Kansas	3	3	0	.	2
Minnesota	3	3	2	.	2
Missouri	2	1	6	.	1
Nebraska	5	5	13	.	4
North Dakota	0	0	0	.	0
South Dakota	0	0	0	.	0
South Atlantic	**1**	**1**	**6**	**.**	**1**
Delaware	3	0	44	.	4
District of Columbia	0	0	0	.	0
Florida	2	2	5	.	2
Georgia	74	12	0	.	48
Maryland	1	1	6	.	1
North Carolina	3	1	0	.	2
South Carolina	3	2	0	.	3
Virginia	4	1	7	.	3
West Virginia	0	0	0	.	0
East South Central	**5**	**6**	**0**	**.**	**4**
Alabama	0	0	0	.	0
Kentucky	5	7	0	.	4
Mississippi	14	12	0	.	9
Tennessee	0	0	0	.	0
West South Central	**3**	**8**	**6**	**.**	**3**
Arkansas	9	15	6	.	7
Louisiana	4	12	26	.	4
Oklahoma	11	17	0	.	10
Texas	5	11	155	.	4
Mountain	**0**	**0**	**4**	**.**	**0**
Arizona	0	0	0	.	0
Colorado	2	1	23	.	2
Idaho	2	3	0	.	1
Montana	4	0	0	.	3
Nevada	0	0	0	.	0
New Mexico	2	2	0	.	2
Utah	1	2	0	.	1
Wyoming	4	0	0	.	3
Pacific Contiguous	**0**	**0**	**0**	**.**	**0**
California	0	0	0	.	0
Oregon	1	1	3	.	1
Washington	2	3	9	.	2
Pacific Noncontiguous	**0**	**0**	**0**	**.**	**0**
Alaska	0	0	0	.	0
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 2022

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**28**	**0**	**151**	**0**	**0**	**17**
Connecticut	0	228	0	0	0	0	30
Maine	0	0	0	0	0	0	308
Massachusetts	0	152	0	198	0	0	48
New Hampshire	0	8	0	0	0	0	26
Rhode Island	0	0	0	0	0	0	0
Vermont	0	171	0	0	0	0	26
Middle Atlantic	**0**	**9**	**0**	**10**	**0**	**0**	**1**
New Jersey	0	0	0	243	0	0	0
New York	0	9	0	10	0	0	1
Pennsylvania	0	0	0	0	0	0	0
East North Central	**1**	**162**	**0**	**3**	**0**	**0**	**10**
Illinois	0	212	0	21	0	0	39
Indiana	2	68	0	10	0	0	32
Michigan	2	9	0	7	0	0	18
Ohio	15	84	0	8	0	0	32
Wisconsin	1	1,724	0	2	0	0	14
West North Central	**1**	**24**	**0**	**7**	**0**	**0**	**7**
Iowa	0	46	0	7	0	0	22
Kansas	0	36	0	16	0	0	0
Minnesota	1	57	0	9	0	0	28
Missouri	0	40	0	21	0	0	11
Nebraska	6	43	0	46	0	0	19
North Dakota	0	9	0	39	0	0	15
South Dakota	0	94	0	39	0	0	10
South Atlantic	**0**	**39**	**0**	**1**	**0**	**0**	**5**
Delaware	0	0	0	0	0	0	0
Florida	0	40	0	1	0	0	31
Georgia	0	29	0	3	0	0	7
Maryland	0	5	0	1	0	0	0
North Carolina	0	173	0	0	0	0	6
South Carolina	0	30	0	0	0	0	9
Virginia	0	77	0	3	0	0	12
West Virginia	0	0	0	0	0	0	18
East South Central	**0**	**24**	**0**	**2**	**0**	**0**	**3**
Alabama	0	358	0	5	0	0	4
Kentucky	0	44	0	4	0	0	6
Mississippi	0	70	0	1	0	0	0
Tennessee	0	0	0	4	0	0	4
West South Central	**0**	**56**	**0**	**2**	**0**	**0**	**6**
Arkansas	0	9	0	5	0	0	8
Louisiana	0	127	0	1	0	0	0
Oklahoma	0	15	0	4	0	0	9
Texas	0	367	0	4	0	0	19
Mountain	**2**	**4**	**0**	**1**	**0**	**0**	**4**
Arizona	0	3	0	1	0	0	5
Colorado	0	21	0	0	0	0	18
Idaho	0	0	0	12	0	0	8
Montana	0	492	0	16	0	0	7
Nevada	0	0	0	0	0	0	0
New Mexico	0	16	0	4	0	0	54
Utah	0	7	0	1	0	0	27
Wyoming	5	2	0	31	0	0	22
Pacific Contiguous	**0**	**316**	**0**	**3**	**0**	**0**	**1**
California	0	13	0	1	0	0	10
Oregon	0	16,719	0	8	0	0	3
Washington	0	46	0	11	0	0	1
Pacific Noncontiguous	**54**	**1**	**0**	**29**	**0**	**0**	**19**
Alaska	54	5	0	29	0	0	19
Hawaii	0	1	0	0	0	0	0
U.S. Total	**0**	**8**	**0**	**1**	**0**	**0**	**1**

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

Electric Utilities by Census Division and State, January 2022 (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**	**19**	**4**	**0**	**0**	**8**
Connecticut	0	0	0	0	0	0	0	27
Maine	0	0	0	0	0	0	0	308
Massachusetts	0	0	0	22	22	0	0	64
New Hampshire	0	0	0	0	0	0	0	3
Rhode Island	0	0	0	0	0	0	0	0
Vermont	0	0	0	15	2	0	0	9
Middle Atlantic	**0**	**0**	**0**	**31**	**31**	**0**	**0**	**3**
New Jersey	0	0	0	31	31	0	0	41
New York	0	0	0	0	0	0	0	3
Pennsylvania	0	0	0	0	0	0	0	0
East North Central	**0**	**0**	**0**	**8**	**4**	**0**	**22**	**1**
Illinois	0	0	0	45	17	0	0	12
Indiana	0	0	0	13	9	0	0	2
Michigan	0	0	0	29	4	0	0	2
Ohio	0	0	0	106	93	0	0	7
Wisconsin	0	0	0	8	9	0	23	2
West North Central	**0**	**0**	**0**	**24**	**2**	**0**	**7**	**1**
Iowa	0	0	0	32	2	0	0	1
Kansas	0	0	0	196	6	0	0	1
Minnesota	0	0	0	57	7	0	0	2
Missouri	0	0	0	49	1	0	0	1
Nebraska	0	0	0	93	30	0	0	4
North Dakota	0	0	0	0	8	0	28	2
South Dakota	0	0	0	0	13	0	0	7
South Atlantic	**0**	**0**	**0**	**1**	**2**	**0**	**0**	**0**
Delaware	0	0	0	114	114	0	0	12
Florida	0	0	0	0	0	0	0	1
Georgia	0	0	0	5	5	0	0	1
Maryland	0	0	0	100	100	0	0	1
North Carolina	0	0	0	7	7	0	0	1
South Carolina	0	0	0	106	26	0	0	0
Virginia	0	0	0	3	11	0	0	1
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**31**	**18**	**0**	**0**	**1**
Alabama	0	0	0	53	53	0	0	1
Kentucky	0	0	0	38	19	0	0	1
Mississippi	0	0	0	0	0	0	0	1
Tennessee	0	0	0	695	695	0	0	1
West South Central	**0**	**0**	**0**	**22**	**8**	**0**	**0**	**1**
Arkansas	0	0	0	94	94	0	0	2
Louisiana	0	0	0	49	49	0	0	1
Oklahoma	0	0	0	25	12	0	0	2
Texas	0	0	0	57	12	0	0	2
Mountain	**0**	**10**	**0**	**6**	**3**	**0**	**16**	**1**
Arizona	0	0	0	9	9	0	0	0
Colorado	0	0	0	88	2	0	0	1
Idaho	0	0	0	0	45	0	0	7
Montana	0	0	0	0	39	0	0	7
Nevada	0	0	0	6	6	0	0	0
New Mexico	0	0	0	13	1	0	0	1
Utah	0	10	0	0	10	0	29	1
Wyoming	0	0	0	0	5	0	0	4
Pacific Contiguous	**0**	**0**	**0**	**13**	**6**	**0**	**0**	**1**
California	0	0	0	13	7	0	0	2
Oregon	0	0	0	117	13	0	0	3
Washington	0	0	0	114	9	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**17**	**31**	**0**	**0**	**8**
Alaska	0	0	0	0	62	0	0	14
Hawaii	0	0	0	17	12	0	0	1
U.S. Total	**0**	**2**	**0**	**1**	**1**	**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 2022

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**28**	**0**	**151**	**0**	**0**	**17**
Connecticut	0	228	0	0	0	0	30
Maine	0	0	0	0	0	0	308
Massachusetts	0	152	0	198	0	0	48
New Hampshire	0	8	0	0	0	0	26
Rhode Island	0	0	0	0	0	0	0
Vermont	0	171	0	0	0	0	26
Middle Atlantic	**0**	**9**	**0**	**10**	**0**	**0**	**1**
New Jersey	0	0	0	243	0	0	0
New York	0	9	0	10	0	0	1
Pennsylvania	0	0	0	0	0	0	0
East North Central	**1**	**162**	**0**	**3**	**0**	**0**	**10**
Illinois	0	212	0	21	0	0	39
Indiana	2	68	0	10	0	0	32
Michigan	2	9	0	7	0	0	18
Ohio	15	84	0	8	0	0	32
Wisconsin	1	1,724	0	2	0	0	14
West North Central	**1**	**24**	**0**	**7**	**0**	**0**	**7**
Iowa	0	46	0	7	0	0	22
Kansas	0	36	0	16	0	0	0
Minnesota	1	57	0	9	0	0	28
Missouri	0	40	0	21	0	0	11
Nebraska	6	43	0	46	0	0	19
North Dakota	0	9	0	39	0	0	15
South Dakota	0	94	0	39	0	0	10
South Atlantic	**0**	**39**	**0**	**1**	**0**	**0**	**5**
Delaware	0	0	0	0	0	0	0
Florida	0	40	0	1	0	0	31
Georgia	0	29	0	3	0	0	7
Maryland	0	5	0	1	0	0	0
North Carolina	0	173	0	0	0	0	6
South Carolina	0	30	0	0	0	0	9
Virginia	0	77	0	3	0	0	12
West Virginia	0	0	0	0	0	0	18
East South Central	**0**	**24**	**0**	**2**	**0**	**0**	**3**
Alabama	0	358	0	5	0	0	4
Kentucky	0	44	0	4	0	0	6
Mississippi	0	70	0	1	0	0	0
Tennessee	0	0	0	4	0	0	4
West South Central	**0**	**56**	**0**	**2**	**0**	**0**	**6**
Arkansas	0	9	0	5	0	0	8
Louisiana	0	127	0	1	0	0	0
Oklahoma	0	15	0	4	0	0	9
Texas	0	367	0	4	0	0	19
Mountain	**2**	**4**	**0**	**1**	**0**	**0**	**4**
Arizona	0	3	0	1	0	0	5
Colorado	0	21	0	0	0	0	18
Idaho	0	0	0	12	0	0	8
Montana	0	492	0	16	0	0	7
Nevada	0	0	0	0	0	0	0
New Mexico	0	16	0	4	0	0	54
Utah	0	7	0	1	0	0	27
Wyoming	5	2	0	31	0	0	22
Pacific Contiguous	**0**	**316**	**0**	**3**	**0**	**0**	**1**
California	0	13	0	1	0	0	10
Oregon	0	16,719	0	8	0	0	3
Washington	0	46	0	11	0	0	1
Pacific Noncontiguous	**54**	**1**	**0**	**29**	**0**	**0**	**19**
Alaska	54	5	0	29	0	0	19
Hawaii	0	1	0	0	0	0	0
U.S. Total	**0**	**8**	**0**	**1**	**0**	**0**	**1**

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

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

Electric Utilities by Census Division and State, Year-to-Date through January 2022 (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**	**19**	**4**	**0**	**0**	**8**
Connecticut	0	0	0	0	0	0	0	27
Maine	0	0	0	0	0	0	0	308
Massachusetts	0	0	0	22	22	0	0	64
New Hampshire	0	0	0	0	0	0	0	3
Rhode Island	0	0	0	0	0	0	0	0
Vermont	0	0	0	15	2	0	0	9
Middle Atlantic	**0**	**0**	**0**	**31**	**31**	**0**	**0**	**3**
New Jersey	0	0	0	31	31	0	0	41
New York	0	0	0	0	0	0	0	3
Pennsylvania	0	0	0	0	0	0	0	0
East North Central	**0**	**0**	**0**	**8**	**4**	**0**	**22**	**1**
Illinois	0	0	0	45	17	0	0	12
Indiana	0	0	0	13	9	0	0	2
Michigan	0	0	0	29	4	0	0	2
Ohio	0	0	0	106	93	0	0	7
Wisconsin	0	0	0	8	9	0	23	2
West North Central	**0**	**0**	**0**	**24**	**2**	**0**	**7**	**1**
Iowa	0	0	0	32	2	0	0	1
Kansas	0	0	0	196	6	0	0	1
Minnesota	0	0	0	57	7	0	0	2
Missouri	0	0	0	49	1	0	0	1
Nebraska	0	0	0	93	30	0	0	4
North Dakota	0	0	0	0	8	0	28	2
South Dakota	0	0	0	0	13	0	0	7
South Atlantic	**0**	**0**	**0**	**1**	**2**	**0**	**0**	**0**
Delaware	0	0	0	114	114	0	0	12
Florida	0	0	0	0	0	0	0	1
Georgia	0	0	0	5	5	0	0	1
Maryland	0	0	0	100	100	0	0	1
North Carolina	0	0	0	7	7	0	0	1
South Carolina	0	0	0	106	26	0	0	0
Virginia	0	0	0	3	11	0	0	1
West Virginia	0	0	0	0	0	0	0	0
East South Central	**0**	**0**	**0**	**31**	**18**	**0**	**0**	**1**
Alabama	0	0	0	53	53	0	0	1
Kentucky	0	0	0	38	19	0	0	1
Mississippi	0	0	0	0	0	0	0	1
Tennessee	0	0	0	695	695	0	0	1
West South Central	**0**	**0**	**0**	**22**	**8**	**0**	**0**	**1**
Arkansas	0	0	0	94	94	0	0	2
Louisiana	0	0	0	49	49	0	0	1
Oklahoma	0	0	0	25	12	0	0	2
Texas	0	0	0	57	12	0	0	2
Mountain	**0**	**10**	**0**	**6**	**3**	**0**	**16**	**1**
Arizona	0	0	0	9	9	0	0	0
Colorado	0	0	0	88	2	0	0	1
Idaho	0	0	0	0	45	0	0	7
Montana	0	0	0	0	39	0	0	7
Nevada	0	0	0	6	6	0	0	0
New Mexico	0	0	0	13	1	0	0	1
Utah	0	10	0	0	10	0	29	1
Wyoming	0	0	0	0	5	0	0	4
Pacific Contiguous	**0**	**0**	**0**	**13**	**6**	**0**	**0**	**1**
California	0	0	0	13	7	0	0	2
Oregon	0	0	0	117	13	0	0	3
Washington	0	0	0	114	9	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**17**	**31**	**0**	**0**	**8**
Alaska	0	0	0	0	62	0	0	14
Hawaii	0	0	0	17	12	0	0	1
U.S. Total	**0**	**2**	**0**	**1**	**1**	**0**	**4**	**0**

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

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

Independent Power Producers by Census Division and State, January 2022

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**9**	**0**	**3**	**0**	**0**	**8**
Connecticut	0	143	0	3	0	0	30
Maine	0	3	0	14	0	0	9
Massachusetts	0	5	0	6	0	0	19
New Hampshire	0	5	0	0	0	0	21
Rhode Island	0	154	0	18	0	0	0
Vermont	0	0	0	0	0	0	18
Middle Atlantic	**3**	**11**	**0**	**1**	**0**	**0**	**9**
New Jersey	0	48	0	6	0	0	0
New York	0	8	0	4	0	0	9
Pennsylvania	4	48	0	1	0	0	11
East North Central	**0**	**53**	**30**	**2**	**6**	**0**	**32**
Illinois	0	58	0	12	0	0	52
Indiana	0	0	0	1	0	0	0
Michigan	0	0	0	1	0	0	79
Ohio	0	73	30	2	21	0	46
Wisconsin	0	0	0	0	0	0	56
West North Central	**0**	**151**	**0**	**13**	**0**	**0**	**41**
Iowa	0	145	0	0	0	0	0
Kansas	0	0	0	0	0	0	0
Minnesota	0	422	0	19	0	0	44
Missouri	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0
South Atlantic	**3**	**45**	**0**	**2**	**0**	**0**	**6**
Delaware	0	177	0	26	0	0	0
Florida	0	9	0	5	0	0	0
Georgia	0	195	0	4	0	0	193
Maryland	0	94	0	9	0	0	2
North Carolina	0	170	0	5	0	0	44
South Carolina	0	3	0	34	0	0	50
Virginia	0	5	0	4	0	0	38
West Virginia	6	0	0	35	0	0	27
East South Central	**0**	**19**	**0**	**0**	**0**	**0**	**210**
Alabama	0	19	0	0	0	0	0
Kentucky	0	0	0	0	0	0	210
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0
West South Central	**0**	**42**	**0**	**1**	**0**	**0**	**12**
Arkansas	0	0	0	0	0	0	0
Louisiana	0	0	0	2	0	0	13
Oklahoma	0	0	0	0	0	0	0
Texas	0	70	0	1	0	0	0
Mountain	**5**	**51**	**0**	**3**	**0**	**0**	**22**
Arizona	0	0	0	0	0	0	0
Colorado	0	0	0	5	0	0	49
Idaho	0	0	0	33	0	0	29
Montana	7	470	0	11	0	0	58
Nevada	0	0	0	0	0	0	85
New Mexico	0	0	0	0	0	0	0
Utah	0	0	0	83	0	0	0
Wyoming	0	0	0	0	0	0	0
Pacific Contiguous	**0**	**7**	**0**	**1**	**0**	**0**	**35**
California	0	0	0	0	0	0	68
Oregon	0	0	0	0	0	0	46
Washington	0	11	0	8	0	0	40
Pacific Noncontiguous	**11**	**0**	**0**	**0**	**0**	**0**	**0**
Alaska	66	138	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**1**	**7**	**17**	**1**	**3**	**0**	**6**

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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 2022 (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**	**5**	**5**	**0**	**1**	**2**
Connecticut	0	0	0	13	13	0	0	3
Maine	0	0	0	16	7	0	0	5
Massachusetts	0	0	0	7	5	0	1	4
New Hampshire	0	0	0	138	19	0	0	2
Rhode Island	0	0	0	17	9	0	0	16
Vermont	0	0	0	25	20	0	0	13
Middle Atlantic	**0**	**0**	**0**	**6**	**4**	**0**	**0**	**1**
New Jersey	0	0	0	8	5	0	0	2
New York	0	0	0	8	5	0	0	2
Pennsylvania	0	0	0	19	7	0	0	1
East North Central	**0**	**0**	**0**	**3**	**2**	**0**	**12**	**1**
Illinois	0	0	0	6	2	0	0	1
Indiana	0	0	0	8	3	0	0	1
Michigan	0	0	0	9	6	0	22	1
Ohio	0	0	0	5	1	0	0	1
Wisconsin	0	0	0	11	6	0	0	1
West North Central	**0**	**0**	**0**	**6**	**1**	**0**	**0**	**1**
Iowa	0	0	0	8	3	0	0	3
Kansas	0	0	0	18	2	0	0	2
Minnesota	0	0	0	6	4	0	0	5
Missouri	0	0	0	24	2	0	0	1
Nebraska	0	0	0	38	4	0	0	4
North Dakota	0	0	0	0	4	0	0	4
South Dakota	0	0	0	183	2	0	0	2
South Atlantic	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**1**
Delaware	0	0	0	27	20	0	0	19
District of Columbia	0	0	0	56	56	0	0	56
Florida	0	0	0	3	2	0	0	3
Georgia	0	0	0	2	2	0	0	3
Maryland	0	0	0	10	3	0	0	1
North Carolina	0	0	0	2	2	0	0	3
South Carolina	0	0	0	3	6	0	0	7
Virginia	0	0	0	4	6	0	0	3
West Virginia	0	0	0	0	0	0	0	5
East South Central	**0**	**0**	**0**	**2**	**4**	**0**	**0**	**0**
Alabama	0	0	0	2	3	0	0	0
Kentucky	0	0	0	228	43	0	0	2
Mississippi	0	0	0	2	3	0	0	0
Tennessee	0	0	0	8	12	0	0	12
West South Central	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**1**
Arkansas	0	0	0	2	4	0	0	0
Louisiana	0	0	0	0	11	0	0	2
Oklahoma	0	0	0	103	2	0	0	2
Texas	0	0	0	0	1	0	0	1
Mountain	**0**	**3**	**0**	**1**	**1**	**0**	**0**	**1**
Arizona	0	0	0	2	2	0	0	1
Colorado	0	0	0	3	3	0	0	3
Idaho	0	14	0	8	11	0	0	12
Montana	0	0	0	0	3	0	0	5
Nevada	0	3	0	1	2	0	0	1
New Mexico	0	0	0	5	2	0	0	1
Utah	0	9	0	2	1	0	0	2
Wyoming	0	0	0	0	3	0	0	3
Pacific Contiguous	**0**	**2**	**0**	**1**	**2**	**0**	**0**	**1**
California	0	2	0	1	2	0	0	1
Oregon	0	9	0	7	6	0	0	3
Washington	0	0	0	0	9	0	0	4
Pacific Noncontiguous	**0**	**63**	**0**	**7**	**15**	**0**	**0**	**6**
Alaska	0	0	0	0	84	0	0	53
Hawaii	0	63	0	7	15	0	0	5
U.S. Total	**0**	**2**	**0**	**1**	**1**	**0**	**0**	**0**

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

Independent Power Producers by Census Division and State, Year-to-Date through January 2022

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**9**	**0**	**3**	**0**	**0**	**8**
Connecticut	0	143	0	3	0	0	30
Maine	0	3	0	14	0	0	9
Massachusetts	0	5	0	6	0	0	19
New Hampshire	0	5	0	0	0	0	21
Rhode Island	0	154	0	18	0	0	0
Vermont	0	0	0	0	0	0	18
Middle Atlantic	**3**	**11**	**0**	**1**	**0**	**0**	**9**
New Jersey	0	48	0	6	0	0	0
New York	0	8	0	4	0	0	9
Pennsylvania	4	48	0	1	0	0	11
East North Central	**0**	**53**	**30**	**2**	**6**	**0**	**32**
Illinois	0	58	0	12	0	0	52
Indiana	0	0	0	1	0	0	0
Michigan	0	0	0	1	0	0	79
Ohio	0	73	30	2	21	0	46
Wisconsin	0	0	0	0	0	0	56
West North Central	**0**	**151**	**0**	**13**	**0**	**0**	**41**
Iowa	0	145	0	0	0	0	0
Kansas	0	0	0	0	0	0	0
Minnesota	0	422	0	19	0	0	44
Missouri	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0
South Atlantic	**3**	**45**	**0**	**2**	**0**	**0**	**6**
Delaware	0	177	0	26	0	0	0
Florida	0	9	0	5	0	0	0
Georgia	0	195	0	4	0	0	193
Maryland	0	94	0	9	0	0	2
North Carolina	0	170	0	5	0	0	44
South Carolina	0	3	0	34	0	0	50
Virginia	0	5	0	4	0	0	38
West Virginia	6	0	0	35	0	0	27
East South Central	**0**	**19**	**0**	**0**	**0**	**0**	**210**
Alabama	0	19	0	0	0	0	0
Kentucky	0	0	0	0	0	0	210
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	0
West South Central	**0**	**42**	**0**	**1**	**0**	**0**	**12**
Arkansas	0	0	0	0	0	0	0
Louisiana	0	0	0	2	0	0	13
Oklahoma	0	0	0	0	0	0	0
Texas	0	70	0	1	0	0	0
Mountain	**5**	**51**	**0**	**3**	**0**	**0**	**22**
Arizona	0	0	0	0	0	0	0
Colorado	0	0	0	5	0	0	49
Idaho	0	0	0	33	0	0	29
Montana	7	470	0	11	0	0	58
Nevada	0	0	0	0	0	0	85
New Mexico	0	0	0	0	0	0	0
Utah	0	0	0	83	0	0	0
Wyoming	0	0	0	0	0	0	0
Pacific Contiguous	**0**	**7**	**0**	**1**	**0**	**0**	**35**
California	0	0	0	0	0	0	68
Oregon	0	0	0	0	0	0	46
Washington	0	11	0	8	0	0	40
Pacific Noncontiguous	**11**	**0**	**0**	**0**	**0**	**0**	**0**
Alaska	66	138	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**1**	**7**	**17**	**1**	**3**	**0**	**6**

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 2022 (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**	**5**	**5**	**0**	**1**	**2**
Connecticut	0	0	0	13	13	0	0	3
Maine	0	0	0	16	7	0	0	5
Massachusetts	0	0	0	7	5	0	1	4
New Hampshire	0	0	0	138	19	0	0	2
Rhode Island	0	0	0	17	9	0	0	16
Vermont	0	0	0	25	20	0	0	13
Middle Atlantic	**0**	**0**	**0**	**6**	**4**	**0**	**0**	**1**
New Jersey	0	0	0	8	5	0	0	2
New York	0	0	0	8	5	0	0	2
Pennsylvania	0	0	0	19	7	0	0	1
East North Central	**0**	**0**	**0**	**3**	**2**	**0**	**12**	**1**
Illinois	0	0	0	6	2	0	0	1
Indiana	0	0	0	8	3	0	0	1
Michigan	0	0	0	9	6	0	22	1
Ohio	0	0	0	5	1	0	0	1
Wisconsin	0	0	0	11	6	0	0	1
West North Central	**0**	**0**	**0**	**6**	**1**	**0**	**0**	**1**
Iowa	0	0	0	8	3	0	0	3
Kansas	0	0	0	18	2	0	0	2
Minnesota	0	0	0	6	4	0	0	5
Missouri	0	0	0	24	2	0	0	1
Nebraska	0	0	0	38	4	0	0	4
North Dakota	0	0	0	0	4	0	0	4
South Dakota	0	0	0	183	2	0	0	2
South Atlantic	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**1**
Delaware	0	0	0	27	20	0	0	19
District of Columbia	0	0	0	56	56	0	0	56
Florida	0	0	0	3	2	0	0	3
Georgia	0	0	0	2	2	0	0	3
Maryland	0	0	0	10	3	0	0	1
North Carolina	0	0	0	2	2	0	0	3
South Carolina	0	0	0	3	6	0	0	7
Virginia	0	0	0	4	6	0	0	3
West Virginia	0	0	0	0	0	0	0	5
East South Central	**0**	**0**	**0**	**2**	**4**	**0**	**0**	**0**
Alabama	0	0	0	2	3	0	0	0
Kentucky	0	0	0	228	43	0	0	2
Mississippi	0	0	0	2	3	0	0	0
Tennessee	0	0	0	8	12	0	0	12
West South Central	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**1**
Arkansas	0	0	0	2	4	0	0	0
Louisiana	0	0	0	0	11	0	0	2
Oklahoma	0	0	0	103	2	0	0	2
Texas	0	0	0	0	1	0	0	1
Mountain	**0**	**3**	**0**	**1**	**1**	**0**	**0**	**1**
Arizona	0	0	0	2	2	0	0	1
Colorado	0	0	0	3	3	0	0	3
Idaho	0	14	0	8	11	0	0	12
Montana	0	0	0	0	3	0	0	5
Nevada	0	3	0	1	2	0	0	1
New Mexico	0	0	0	5	2	0	0	1
Utah	0	9	0	2	1	0	0	2
Wyoming	0	0	0	0	3	0	0	3
Pacific Contiguous	**0**	**2**	**0**	**1**	**2**	**0**	**0**	**1**
California	0	2	0	1	2	0	0	1
Oregon	0	9	0	7	6	0	0	3
Washington	0	0	0	0	9	0	0	4
Pacific Noncontiguous	**0**	**63**	**0**	**7**	**15**	**0**	**0**	**6**
Alaska	0	0	0	0	84	0	0	53
Hawaii	0	63	0	7	15	0	0	5
U.S. Total	**0**	**2**	**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 2022

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**182**	**0**	**22**	**0**	**0**	**0**
Connecticut	0	164	0	36	0	0	0
Maine	0	0	0	0	0	0	0
Massachusetts	0	1,077	0	31	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**	**607**	**0**	**17**	**0**	**0**	**0**
New Jersey	0	89	0	34	0	0	0
New York	0	717	0	25	0	0	0
Pennsylvania	0	0	0	8	0	0	0
East North Central	**49**	**119**	**0**	**10**	**0**	**0**	**0**
Illinois	100	1,811	0	35	0	0	0
Indiana	0	0	0	0	0	0	0
Michigan	0	63	0	5	0	0	0
Ohio	0	0	0	7	0	0	0
Wisconsin	0	365	0	4	0	0	0
West North Central	**0**	**41**	**0**	**0**	**0**	**0**	**0**
Iowa	0	0	0	0	0	0	0
Minnesota	0	49	0	0	0	0	0
Missouri	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0
South Dakota	0	2,244	0	0	0	0	0
South Atlantic	**0**	**20**	**0**	**10**	**0**	**0**	**0**
District of Columbia	0	3,701	0	66	0	0	0
Florida	0	0	0	72	0	0	0
Georgia	0	203	0	0	0	0	0
Maryland	0	928	0	4	0	0	0
North Carolina	0	2,959	0	60	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**	**31**	**0**	**0**	**0**
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	31	0	0	0
West South Central	**0**	**0**	**0**	**31**	**0**	**0**	**878**
Arkansas	0	0	0	128	0	0	0
Louisiana	0	0	0	32	0	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	0	0	41	0	0	878
Mountain	**0**	**513**	**0**	**13**	**0**	**0**	**95**
Arizona	0	2,596	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	49	0	0	0
Utah	0	0	0	0	0	0	101
Pacific Contiguous	**0**	**33**	**0**	**4**	**0**	**0**	**1,207**
California	0	60	0	4	0	0	1,207
Oregon	0	0	0	0	0	0	0
Washington	0	0	0	0	0	0	0
Pacific Noncontiguous	**85**	**25**	**0**	**0**	**0**	**0**	**56**
Alaska	85	336	0	0	0	0	56
Hawaii	0	0	0	0	0	0	0
U.S. Total	**26**	**231**	**0**	**5**	**0**	**0**	**44**

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 2022 (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**	**81**	**8**	**0**	**0**	**21**
Connecticut	0	0	0	135	135	0	0	37
Maine	0	0	0	0	0	0	0	0
Massachusetts	0	0	0	101	23	0	0	37
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**	**19**	**5**	**0**	**3**	**28**
New Jersey	0	0	0	20	8	0	0	11
New York	0	0	0	88	8	0	8	52
Pennsylvania	0	0	0	116	7	0	0	4
East North Central	**0**	**0**	**0**	**82**	**19**	**0**	**0**	**9**
Illinois	0	0	0	186	222	0	0	33
Indiana	0	0	0	196	12	0	0	1
Michigan	0	0	0	349	4	0	0	4
Ohio	0	0	0	134	35	0	0	7
Wisconsin	0	0	0	175	37	0	0	16
West North Central	**0**	**0**	**0**	**0**	**15**	**0**	**35**	**5**
Iowa	0	0	0	0	21	0	0	3
Kansas	0	0	0	0	176	0	0	176
Minnesota	0	0	0	0	20	0	35	10
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0	2,244
South Atlantic	**0**	**0**	**0**	**23**	**5**	**0**	**0**	**6**
Delaware	0	0	0	401	32	0	0	32
District of Columbia	0	0	0	0	0	0	0	37
Florida	0	0	0	88	3	0	0	13
Georgia	0	0	0	155	155	0	0	125
Maryland	0	0	0	67	27	0	0	4
North Carolina	0	0	0	26	26	0	0	29
South Carolina	0	0	0	0	0	0	0	0
Virginia	0	0	0	221	5	0	0	2
East South Central	**0**	**0**	**0**	**117**	**117**	**0**	**0**	**30**
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	117	117	0	0	30
West South Central	**0**	**0**	**0**	**18**	**25**	**0**	**0**	**27**
Arkansas	0	0	0	0	0	0	0	89
Louisiana	0	0	0	0	0	0	0	32
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	99	32	0	0	37
Mountain	**0**	**0**	**0**	**27**	**2**	**0**	**0**	**6**
Arizona	0	0	0	64	64	0	0	6
Colorado	0	0	0	64	64	0	0	42
Idaho	0	0	0	0	23	0	0	9
Nevada	0	0	0	34	2	0	0	2
New Mexico	0	0	0	0	318	0	0	48
Utah	0	0	0	0	0	0	0	52
Pacific Contiguous	**0**	**0**	**0**	**20**	**5**	**0**	**0**	**3**
California	0	0	0	20	5	0	0	3
Oregon	0	0	0	0	24	0	0	12
Washington	0	0	0	0	41	0	0	16
Pacific Noncontiguous	**0**	**0**	**0**	**131**	**2**	**0**	**0**	**18**
Alaska	0	0	0	0	0	0	0	42
Hawaii	0	0	0	131	3	0	0	1
U.S. Total	**0**	**0**	**0**	**10**	**2**	**0**	**2**	**6**

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 2022

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**182**	**0**	**22**	**0**	**0**	**0**
Connecticut	0	164	0	36	0	0	0
Maine	0	0	0	0	0	0	0
Massachusetts	0	1,077	0	31	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**	**607**	**0**	**17**	**0**	**0**	**0**
New Jersey	0	89	0	34	0	0	0
New York	0	717	0	25	0	0	0
Pennsylvania	0	0	0	8	0	0	0
East North Central	**49**	**119**	**0**	**10**	**0**	**0**	**0**
Illinois	100	1,811	0	35	0	0	0
Indiana	0	0	0	0	0	0	0
Michigan	0	63	0	5	0	0	0
Ohio	0	0	0	7	0	0	0
Wisconsin	0	365	0	4	0	0	0
West North Central	**0**	**41**	**0**	**0**	**0**	**0**	**0**
Iowa	0	0	0	0	0	0	0
Minnesota	0	49	0	0	0	0	0
Missouri	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0
South Dakota	0	2,244	0	0	0	0	0
South Atlantic	**0**	**20**	**0**	**10**	**0**	**0**	**0**
District of Columbia	0	3,701	0	66	0	0	0
Florida	0	0	0	72	0	0	0
Georgia	0	203	0	0	0	0	0
Maryland	0	928	0	4	0	0	0
North Carolina	0	2,959	0	60	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**	**31**	**0**	**0**	**0**
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	31	0	0	0
West South Central	**0**	**0**	**0**	**31**	**0**	**0**	**878**
Arkansas	0	0	0	128	0	0	0
Louisiana	0	0	0	32	0	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	0	0	41	0	0	878
Mountain	**0**	**513**	**0**	**13**	**0**	**0**	**95**
Arizona	0	2,596	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	49	0	0	0
Utah	0	0	0	0	0	0	101
Pacific Contiguous	**0**	**33**	**0**	**4**	**0**	**0**	**1,207**
California	0	60	0	4	0	0	1,207
Oregon	0	0	0	0	0	0	0
Washington	0	0	0	0	0	0	0
Pacific Noncontiguous	**85**	**25**	**0**	**0**	**0**	**0**	**56**
Alaska	85	336	0	0	0	0	56
Hawaii	0	0	0	0	0	0	0
U.S. Total	**26**	**231**	**0**	**5**	**0**	**0**	**44**

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 2022 (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**	**81**	**8**	**0**	**0**	**21**
Connecticut	0	0	0	135	135	0	0	37
Maine	0	0	0	0	0	0	0	0
Massachusetts	0	0	0	101	23	0	0	37
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**	**19**	**5**	**0**	**3**	**28**
New Jersey	0	0	0	20	8	0	0	11
New York	0	0	0	88	8	0	8	52
Pennsylvania	0	0	0	116	7	0	0	4
East North Central	**0**	**0**	**0**	**82**	**19**	**0**	**0**	**9**
Illinois	0	0	0	186	222	0	0	33
Indiana	0	0	0	196	12	0	0	1
Michigan	0	0	0	349	4	0	0	4
Ohio	0	0	0	134	35	0	0	7
Wisconsin	0	0	0	175	37	0	0	16
West North Central	**0**	**0**	**0**	**0**	**15**	**0**	**35**	**5**
Iowa	0	0	0	0	21	0	0	3
Kansas	0	0	0	0	176	0	0	176
Minnesota	0	0	0	0	20	0	35	10
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0	2,244
South Atlantic	**0**	**0**	**0**	**23**	**5**	**0**	**0**	**6**
Delaware	0	0	0	401	32	0	0	32
District of Columbia	0	0	0	0	0	0	0	37
Florida	0	0	0	88	3	0	0	13
Georgia	0	0	0	155	155	0	0	125
Maryland	0	0	0	67	27	0	0	4
North Carolina	0	0	0	26	26	0	0	29
South Carolina	0	0	0	0	0	0	0	0
Virginia	0	0	0	221	5	0	0	2
East South Central	**0**	**0**	**0**	**117**	**117**	**0**	**0**	**30**
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	117	117	0	0	30
West South Central	**0**	**0**	**0**	**18**	**25**	**0**	**0**	**27**
Arkansas	0	0	0	0	0	0	0	89
Louisiana	0	0	0	0	0	0	0	32
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	99	32	0	0	37
Mountain	**0**	**0**	**0**	**27**	**2**	**0**	**0**	**6**
Arizona	0	0	0	64	64	0	0	6
Colorado	0	0	0	64	64	0	0	42
Idaho	0	0	0	0	23	0	0	9
Nevada	0	0	0	34	2	0	0	2
New Mexico	0	0	0	0	318	0	0	48
Utah	0	0	0	0	0	0	0	52
Pacific Contiguous	**0**	**0**	**0**	**20**	**5**	**0**	**0**	**3**
California	0	0	0	20	5	0	0	3
Oregon	0	0	0	0	24	0	0	12
Washington	0	0	0	0	41	0	0	16
Pacific Noncontiguous	**0**	**0**	**0**	**131**	**2**	**0**	**0**	**18**
Alaska	0	0	0	0	0	0	0	42
Hawaii	0	0	0	131	3	0	0	1
U.S. Total	**0**	**0**	**0**	**10**	**2**	**0**	**2**	**6**

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 2022

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**53**	**0**	**17**	**0**	**0**	**55**
Connecticut	0	0	0	19	0	0	0
Maine	0	80	0	37	0	0	55
Massachusetts	0	4	0	20	0	0	0
New Hampshire	0	0	0	0	0	0	0
Rhode Island	0	0	0	51	0	0	0
Middle Atlantic	**0**	**409**	**0**	**7**	**19**	**0**	**24**
New Jersey	0	0	0	18	0	0	0
New York	0	6	0	9	0	0	24
Pennsylvania	0	2,046	0	9	24	0	0
East North Central	**9**	**70**	**0**	**6**	**8**	**0**	**45**
Illinois	10	0	0	27	0	0	0
Indiana	0	40	0	10	10	0	0
Michigan	0	0	0	10	0	0	173
Ohio	0	0	0	20	0	0	0
Wisconsin	38	211	0	9	0	0	47
West North Central	**6**	**0**	**0**	**7**	**0**	**0**	**0**
Iowa	3	0	0	10	0	0	0
Kansas	0	0	0	21	0	0	0
Minnesota	73	0	0	0	0	0	0
Missouri	0	0	0	0	0	0	0
Nebraska	11	0	0	0	0	0	0
North Dakota	88	0	0	0	0	0	0
South Dakota	0	0	0	87	0	0	0
South Atlantic	**47**	**50**	**62**	**6**	**0**	**0**	**20**
Delaware	0	0	0	0	0	0	0
Florida	145	166	0	14	0	0	0
Georgia	91	67	62	14	0	0	52
Maryland	0	0	0	0	0	0	0
North Carolina	15	145	0	8	0	0	544
South Carolina	0	0	0	13	0	0	0
Virginia	0	40	0	9	0	0	0
West Virginia	0	0	0	0	0	0	20
East South Central	**17**	**138**	**0**	**9**	**61**	**0**	**0**
Alabama	222	157	0	17	2,802	0	0
Kentucky	0	0	0	17	0	0	0
Mississippi	0	0	0	24	0	0	0
Tennessee	0	0	0	11	0	0	0
West South Central	**0**	**206**	**23**	**2**	**5**	**0**	**0**
Arkansas	0	12,752	0	21	0	0	0
Louisiana	0	0	0	2	6	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	19	23	2	7	0	0
Mountain	**29**	**0**	**0**	**3**	**6**	**0**	**0**
Colorado	0	0	0	0	97	0	0
Idaho	162	0	0	18	0	0	0
Montana	150	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0
Utah	0	0	0	0	0	0	0
Wyoming	29	0	0	5	3	0	0
Pacific Contiguous	**0**	**66**	**0**	**2**	**2**	**0**	**0**
California	0	0	0	2	2	0	0
Oregon	0	0	0	21	0	0	0
Washington	0	98	0	2	0	0	0
Pacific Noncontiguous	**0**	**6**	**0**	**0**	**0**	**0**	**76**
Alaska	0	25	0	0	0	0	0
Hawaii	0	0	0	0	0	0	76
U.S. Total	**6**	**29**	**27**	**1**	**4**	**0**	**15**

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

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

Industrial Sector by Census Division and State, January 2022 (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**	**6**	**0**	**0**	**10**
Connecticut	0	0	0	817	817	0	0	19
Maine	0	0	0	0	6	0	0	12
Massachusetts	0	0	0	108	70	0	0	19
New Hampshire	0	0	0	0	0	0	0	0
Rhode Island	0	0	0	0	0	0	0	51
Middle Atlantic	**0**	**0**	**0**	**59**	**6**	**0**	**0**	**6**
New Jersey	0	0	0	104	104	0	0	12
New York	0	0	0	100	11	0	0	7
Pennsylvania	0	0	0	101	7	0	0	8
East North Central	**0**	**0**	**0**	**0**	**7**	**0**	**0**	**4**
Illinois	0	0	0	0	0	0	0	8
Indiana	0	0	0	0	21	0	0	6
Michigan	0	0	0	0	7	0	0	5
Ohio	0	0	0	0	23	0	0	12
Wisconsin	0	0	0	0	5	0	0	8
West North Central	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**4**
Iowa	0	0	0	0	0	0	0	3
Kansas	0	0	0	0	0	0	0	20
Minnesota	0	0	0	0	0	0	0	10
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	11
North Dakota	0	0	0	0	86	0	0	52
South Dakota	0	0	0	0	72	0	0	59
South Atlantic	**0**	**0**	**0**	**100**	**2**	**0**	**0**	**3**
Delaware	0	0	0	0	45	0	0	1
Florida	0	0	0	151	5	0	0	6
Georgia	0	0	0	0	4	0	0	6
Maryland	0	0	0	0	0	0	0	0
North Carolina	0	0	0	0	4	0	0	4
South Carolina	0	0	0	134	2	0	0	2
Virginia	0	0	0	0	0	0	0	3
West Virginia	0	0	0	0	0	0	0	8
East South Central	**0**	**0**	**0**	**0**	**3**	**0**	**124**	**4**
Alabama	0	0	0	0	4	0	0	7
Kentucky	0	0	0	0	17	0	0	12
Mississippi	0	0	0	0	3	0	0	8
Tennessee	0	0	0	0	7	0	124	6
West South Central	**0**	**0**	**0**	**88**	**3**	**0**	**1**	**1**
Arkansas	0	0	0	163	6	0	0	7
Louisiana	0	0	0	0	5	0	0	2
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	104	9	0	3	2
Mountain	**0**	**0**	**0**	**102**	**1**	**0**	**0**	**4**
Colorado	0	0	0	0	0	0	0	10
Idaho	0	0	0	160	1	0	0	9
Montana	0	0	0	0	0	0	0	59
Nevada	0	0	0	130	130	0	0	2
New Mexico	0	0	0	0	0	0	0	0
Utah	0	0	0	0	0	0	0	0
Wyoming	0	0	0	0	0	0	0	7
Pacific Contiguous	**0**	**0**	**0**	**27**	**6**	**0**	**2**	**1**
California	0	0	0	27	8	0	2	2
Oregon	0	0	0	0	10	0	0	9
Washington	0	0	0	0	8	0	0	4
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**436**	**0**	**0**	**19**
Alaska	0	0	0	0	436	0	0	10
Hawaii	0	0	0	0	0	0	0	27
U.S. Total	**0**	**0**	**0**	**22**	**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 2022

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**53**	**0**	**17**	**0**	**0**	**55**
Connecticut	0	0	0	19	0	0	0
Maine	0	80	0	37	0	0	55
Massachusetts	0	4	0	20	0	0	0
New Hampshire	0	0	0	0	0	0	0
Rhode Island	0	0	0	51	0	0	0
Middle Atlantic	**0**	**409**	**0**	**7**	**19**	**0**	**24**
New Jersey	0	0	0	18	0	0	0
New York	0	6	0	9	0	0	24
Pennsylvania	0	2,046	0	9	24	0	0
East North Central	**9**	**70**	**0**	**6**	**8**	**0**	**45**
Illinois	10	0	0	27	0	0	0
Indiana	0	40	0	10	10	0	0
Michigan	0	0	0	10	0	0	173
Ohio	0	0	0	20	0	0	0
Wisconsin	38	211	0	9	0	0	47
West North Central	**6**	**0**	**0**	**7**	**0**	**0**	**0**
Iowa	3	0	0	10	0	0	0
Kansas	0	0	0	21	0	0	0
Minnesota	73	0	0	0	0	0	0
Missouri	0	0	0	0	0	0	0
Nebraska	11	0	0	0	0	0	0
North Dakota	88	0	0	0	0	0	0
South Dakota	0	0	0	87	0	0	0
South Atlantic	**47**	**50**	**62**	**6**	**0**	**0**	**20**
Delaware	0	0	0	0	0	0	0
Florida	145	166	0	14	0	0	0
Georgia	91	67	62	14	0	0	52
Maryland	0	0	0	0	0	0	0
North Carolina	15	145	0	8	0	0	544
South Carolina	0	0	0	13	0	0	0
Virginia	0	40	0	9	0	0	0
West Virginia	0	0	0	0	0	0	20
East South Central	**17**	**138**	**0**	**9**	**61**	**0**	**0**
Alabama	222	157	0	17	2,802	0	0
Kentucky	0	0	0	17	0	0	0
Mississippi	0	0	0	24	0	0	0
Tennessee	0	0	0	11	0	0	0
West South Central	**0**	**206**	**23**	**2**	**5**	**0**	**0**
Arkansas	0	12,752	0	21	0	0	0
Louisiana	0	0	0	2	6	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	19	23	2	7	0	0
Mountain	**29**	**0**	**0**	**3**	**6**	**0**	**0**
Colorado	0	0	0	0	97	0	0
Idaho	162	0	0	18	0	0	0
Montana	150	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0
Utah	0	0	0	0	0	0	0
Wyoming	29	0	0	5	3	0	0
Pacific Contiguous	**0**	**66**	**0**	**2**	**2**	**0**	**0**
California	0	0	0	2	2	0	0
Oregon	0	0	0	21	0	0	0
Washington	0	98	0	2	0	0	0
Pacific Noncontiguous	**0**	**6**	**0**	**0**	**0**	**0**	**76**
Alaska	0	25	0	0	0	0	0
Hawaii	0	0	0	0	0	0	76
U.S. Total	**6**	**29**	**27**	**1**	**4**	**0**	**15**

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

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 2022 (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**	**6**	**0**	**0**	**10**
Connecticut	0	0	0	817	817	0	0	19
Maine	0	0	0	0	6	0	0	12
Massachusetts	0	0	0	108	70	0	0	19
New Hampshire	0	0	0	0	0	0	0	0
Rhode Island	0	0	0	0	0	0	0	51
Middle Atlantic	**0**	**0**	**0**	**59**	**6**	**0**	**0**	**6**
New Jersey	0	0	0	104	104	0	0	12
New York	0	0	0	100	11	0	0	7
Pennsylvania	0	0	0	101	7	0	0	8
East North Central	**0**	**0**	**0**	**0**	**7**	**0**	**0**	**4**
Illinois	0	0	0	0	0	0	0	8
Indiana	0	0	0	0	21	0	0	6
Michigan	0	0	0	0	7	0	0	5
Ohio	0	0	0	0	23	0	0	12
Wisconsin	0	0	0	0	5	0	0	8
West North Central	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**4**
Iowa	0	0	0	0	0	0	0	3
Kansas	0	0	0	0	0	0	0	20
Minnesota	0	0	0	0	0	0	0	10
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	11
North Dakota	0	0	0	0	86	0	0	52
South Dakota	0	0	0	0	72	0	0	59
South Atlantic	**0**	**0**	**0**	**100**	**2**	**0**	**0**	**3**
Delaware	0	0	0	0	45	0	0	1
Florida	0	0	0	151	5	0	0	6
Georgia	0	0	0	0	4	0	0	6
Maryland	0	0	0	0	0	0	0	0
North Carolina	0	0	0	0	4	0	0	4
South Carolina	0	0	0	134	2	0	0	2
Virginia	0	0	0	0	0	0	0	3
West Virginia	0	0	0	0	0	0	0	8
East South Central	**0**	**0**	**0**	**0**	**3**	**0**	**124**	**4**
Alabama	0	0	0	0	4	0	0	7
Kentucky	0	0	0	0	17	0	0	12
Mississippi	0	0	0	0	3	0	0	8
Tennessee	0	0	0	0	7	0	124	6
West South Central	**0**	**0**	**0**	**88**	**3**	**0**	**1**	**1**
Arkansas	0	0	0	163	6	0	0	7
Louisiana	0	0	0	0	5	0	0	2
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	104	9	0	3	2
Mountain	**0**	**0**	**0**	**102**	**1**	**0**	**0**	**4**
Colorado	0	0	0	0	0	0	0	10
Idaho	0	0	0	160	1	0	0	9
Montana	0	0	0	0	0	0	0	59
Nevada	0	0	0	130	130	0	0	2
New Mexico	0	0	0	0	0	0	0	0
Utah	0	0	0	0	0	0	0	0
Wyoming	0	0	0	0	0	0	0	7
Pacific Contiguous	**0**	**0**	**0**	**27**	**6**	**0**	**2**	**1**
California	0	0	0	27	8	0	2	2
Oregon	0	0	0	0	10	0	0	9
Washington	0	0	0	0	8	0	0	4
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**436**	**0**	**0**	**19**
Alaska	0	0	0	0	436	0	0	10
Hawaii	0	0	0	0	0	0	0	27
U.S. Total	**0**	**0**	**0**	**22**	**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 2022

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**1**	**0**	**0**
Connecticut	0	0	2	0	0
Maine	1	0	0	0	0
Massachusetts	1	0	2	0	0
New Hampshire	1	0	1	0	0
Rhode Island	0	0	0	0	0
Vermont	2	1	3	0	1
Middle Atlantic	**0**	**0**	**0**	**0**	**0**
New Jersey	0	0	1	0	0
New York	0	0	1	0	0
Pennsylvania	0	0	0	0	0
East North Central	**0**	**0**	**0**	**0**	**0**
Illinois	1	0	0	0	0
Indiana	1	1	1	0	1
Michigan	1	0	1	0	0
Ohio	0	0	1	0	0
Wisconsin	1	0	2	0	1
West North Central	**1**	**0**	**1**	**0**	**0**
Iowa	1	1	2	0	1
Kansas	3	1	4	0	2
Minnesota	1	1	3	0	1
Missouri	1	1	3	0	1
Nebraska	1	1	4	0	1
North Dakota	1	1	3	0	1
South Dakota	2	1	6	0	2
South Atlantic	**1**	**0**	**1**	**0**	**0**
Delaware	1	0	3	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	1	0	1
South Carolina	2	1	2	0	1
Virginia	1	0	2	0	1
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	3	1	3	0	2
Tennessee	1	1	2	0	1
West South Central	**1**	**0**	**1**	**0**	**1**
Arkansas	3	1	2	0	1
Louisiana	2	1	1	0	1
Oklahoma	2	1	2	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	2	0	1
Montana	2	1	3	0	1
Nevada	1	0	1	0	0
New Mexico	2	1	2	0	1
Utah	2	1	1	0	1
Wyoming	2	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	7	0	2
Hawaii	1	0	0	0	0
U.S. Total	**0**	**0**	**0**	**0**	**0**

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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 2022

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**1**	**0**	**0**
Connecticut	0	0	2	0	0
Maine	1	0	0	0	0
Massachusetts	1	0	2	0	0
New Hampshire	1	0	1	0	0
Rhode Island	0	0	0	0	0
Vermont	2	1	3	0	1
Middle Atlantic	**0**	**0**	**0**	**0**	**0**
New Jersey	0	0	1	0	0
New York	0	0	1	0	0
Pennsylvania	0	0	0	0	0
East North Central	**0**	**0**	**0**	**0**	**0**
Illinois	1	0	0	0	0
Indiana	1	1	1	0	1
Michigan	1	0	1	0	0
Ohio	0	0	1	0	0
Wisconsin	1	0	2	0	1
West North Central	**1**	**0**	**1**	**0**	**0**
Iowa	1	1	2	0	1
Kansas	3	1	4	0	2
Minnesota	1	1	3	0	1
Missouri	1	1	3	0	1
Nebraska	1	1	4	0	1
North Dakota	1	1	3	0	1
South Dakota	2	1	6	0	2
South Atlantic	**1**	**0**	**1**	**0**	**0**
Delaware	1	0	3	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	1	0	1
South Carolina	2	1	2	0	1
Virginia	1	0	2	0	1
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	3	1	3	0	2
Tennessee	1	1	2	0	1
West South Central	**1**	**0**	**1**	**0**	**1**
Arkansas	3	1	2	0	1
Louisiana	2	1	1	0	1
Oklahoma	2	1	2	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	2	0	1
Montana	2	1	3	0	1
Nevada	1	0	1	0	0
New Mexico	2	1	2	0	1
Utah	2	1	1	0	1
Wyoming	2	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	7	0	2
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.7.A. Relative Standard Error for Revenue from Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, January 2022

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**1**	**0**	**0**
Connecticut	0	1	1	0	1
Maine	1	1	0	0	0
Massachusetts	1	0	1	0	0
New Hampshire	1	2	1	0	1
Rhode Island	1	2	0	0	1
Vermont	3	1	3	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**	**1**	**0**	**0**
Illinois	1	1	1	0	0
Indiana	1	1	1	0	1
Michigan	0	0	1	0	0
Ohio	1	0	1	0	0
Wisconsin	1	0	1	0	1
West North Central	**1**	**0**	**1**	**0**	**0**
Iowa	2	1	2	0	1
Kansas	3	1	5	0	2
Minnesota	1	1	2	0	1
Missouri	2	1	3	0	1
Nebraska	2	1	3	0	1
North Dakota	2	1	1	0	1
South Dakota	2	1	3	0	1
South Atlantic	**1**	**0**	**1**	**5**	**0**
Delaware	2	2	4	0	1
District of Columbia	0	1	0	19	0
Florida	1	1	4	0	1
Georgia	2	1	3	0	1
Maryland	0	1	1	0	0
North Carolina	2	1	2	0	1
South Carolina	2	1	2	0	1
Virginia	1	0	3	0	1
West Virginia	0	0	0	0	0
East South Central	**1**	**0**	**1**	**0**	**1**
Alabama	2	1	2	0	1
Kentucky	2	1	2	0	1
Mississippi	3	2	4	0	2
Tennessee	1	1	2	0	1
West South Central	**1**	**1**	**1**	**0**	**1**
Arkansas	3	2	3	0	2
Louisiana	2	1	2	0	1
Oklahoma	3	1	3	0	2
Texas	1	1	1	0	1
Mountain	**1**	**0**	**1**	**0**	**0**
Arizona	1	1	1	0	1
Colorado	2	1	2	0	1
Idaho	1	1	2	0	1
Montana	2	1	2	0	1
Nevada	1	1	1	0	1
New Mexico	4	2	2	0	2
Utah	3	2	1	0	1
Wyoming	2	1	1	0	1
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	0	0	0
Oregon	1	1	2	0	1
Washington	1	1	2	0	1
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**0**
Alaska	2	2	3	0	1
Hawaii	1	0	0	0	0
U.S. Total	**0**	**0**	**0**	**1**	**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 2022

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

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

Table A.8.A. Relative Standard Error for Average Price of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, January 2022

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

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

Table A.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 2022

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

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

Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2022

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
2022	1	01/02/2022 1:21 PM	01/02/2022 5:38 PM	4 Hours, 17 Minutes	Pacific Gas & Electric Co	WECC	California: Tuolumne County;	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system-Severe Weather	3	1706
2022	1	01/03/2022 1:00 AM	01/03/2022 2:00 PM	13 Hours, 0 Minutes	Southern Company	SERC	Georgia: Alabama: Mississippi:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	283	40885
2022	1	01/03/2022 5:00 AM	01/04/2022 6:00 PM	37 Hours, 0 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	60424
2022	1	01/03/2022 5:30 AM	01/04/2022 12:30 PM	31 Hours, 0 Minutes	Duke Energy Carolinas	SERC	North Carolina: South Carolina:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	142000
2022	1	01/05/2022 12:32 PM	01/05/2022 12:45 PM	0 Hours, 13 Minutes	Eversource Energy Company (NSTAR)	NPCC	Massachusetts: Plymouth County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-System Operations	0	0
2022	1	01/08/2022 2:56 AM	01/08/2022 3:03 AM	0 Hours, 7 Minutes	American Electric Power - Texas	TRE	Texas: Cameron County, Willacy County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-System Operations	0	0
2022	1	01/09/2022 6:08 PM	. .	. Hours, . Minutes	Entergy - Transmission Operations Engineering	SERC	Mississippi: Adams County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-System Operations	Unknown	Unknown
2022	1	01/14/2022 8:34 AM	01/14/2022 8:42 AM	0 Hours, 8 Minutes	Southwestern Public Service	TRE/WECC	Texas: Potter County; New Mexico:	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
2022	1	01/16/2022 5:15 AM	01/17/2022 12:06 AM	18 Hours, 51 Minutes	Southern Company	SERC	Georgia: Alabama:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	436	61113
2022	1	01/16/2022 12:05 PM	01/17/2022 8:45 AM	20 Hours, 40 Minutes	Duke Energy Carolinas	SERC	North Carolina: Jackson County; South Carolina: Greenville County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	51289
2022	1	01/16/2022 1:15 PM	01/16/2022 5:15 PM	4 Hours, 0 Minutes	Duke Energy Progress	SERC	North Carolina: South Carolina:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	74638
2022	1	01/24/2022 10:27 AM	01/24/2022 10:51 AM	0 Hours, 24 Minutes	Public Utility District #1 of Chelan County (CHPD)	WECC	Washington: Chelan County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-System Operations	0	0
2022	1	01/28/2022 3:41 PM	01/28/2022 9:30 PM	5 Hours, 49 Minutes	Public Service Company of Colorado	WECC	Colorado: Douglas County, Pueblo County, El Paso County, Prowers 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
2022	1	01/29/2022 8:45 AM	01/30/2022 1:00 AM	16 Hours, 15 Minutes	ISO New England	NPCC	Connecticut: Massachusetts: New Hampshire: Rhode Island: Vermont: Maine:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	120	12000

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

Table B.2 Major Disturbances and Unusual Occurrences, 2021

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
2021	1	01/02/2021 10:28 AM	01/02/2021 10:29 AM	0 Hours, 1 Minutes	Pacific Gas & Electric Co	WECC	California: Butte 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	8	5803
2021	1	01/04/2021 10:34 AM	01/04/2021 10:49 AM	0 Hours, 15 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	6	3825
2021	1	01/10/2021 10:44 PM	01/13/2021 4:00 PM	65 Hours, 16 Minutes	Oncor Electric Delivery Company LLC	TRE	Texas: Anderson County, Angelina County, Dallas County, Freestone County, Henderson County, Houston County, Leon County, Nacogdoches County, Smith County, Tarrant County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	188000
2021	1	01/11/2021 5:00 AM	01/11/2021 2:22 PM	9 Hours, 22 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/Distribution Interruption	Unknown	58000
2021	1	01/12/2021 8:30 PM	. .	. Hours, . Minutes	Snohomish County PUD No 1	WECC	Washington: Snohomish County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather/Transmission Interruption	200	62000
2021	1	01/12/2021 8:46 PM	01/13/2021 4:00 PM	19 Hours, 14 Minutes	Portland General Electric Co	WECC	Oregon: Clackamas County, Multnomah County, Washington County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	94231
2021	1	01/12/2021 11:49 PM	01/14/2021 2:00 PM	38 Hours, 11 Minutes	Seattle City Light, Sytem Control Center	WECC	Washington:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather/Distribution Interruption	150	70000
2021	1	01/12/2021 11:50 PM	01/15/2021 1:00 PM	61 Hours, 10 Minutes	Puget Sound Energy	WECC	Washington: Kitsap County, Thurston County, King County, Pierce County, Skagit County, Whatcom 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	100	320000
2021	1	01/13/2021 3:43 AM	01/13/2021 4:00 PM	12 Hours, 17 Minutes	Avista Corp	WECC	Washington: Idaho:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	185	70417
2021	1	01/19/2021 2:48 AM	01/20/2021 11:41 AM	32 Hours, 53 Minutes	Pacific Gas & Electric Co	WECC	California:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	411	124888
2021	1	01/19/2021 9:31 AM	01/21/2021 2:36 PM	53 Hours, 5 Minutes	Southern California Edison Co	WECC	California: Kern County, Los Angeles County, Riverside County, San Bernardino County, Ventura County, Orange County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	173746
2021	1	01/26/2021 8:49 PM	01/28/2021 9:14 PM	48 Hours, 25 Minutes	Pacific Gas & Electric Co	WECC	California:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	841	255715
2021	2	02/01/2021 11:25 PM	02/02/2021 1:12 AM	1 Hours, 47 Minutes	American Electric Power - Texas	TRE	Texas: Kleberg 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	13	6102
2021	2	02/02/2021 9:25 AM	02/03/2021 11:38 AM	26 Hours, 13 Minutes	Western Area Power Administration - Upper Great Plains Region	MRO	South Dakota: Hughes 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	5	3
2021	2	02/02/2021 12:34 PM	02/02/2021 3:43 PM	3 Hours, 9 Minutes	Western Area Power Administration - Upper Great Plains Region	MRO	South Dakota: Hughes 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	5	4
2021	2	02/03/2021 2:22 PM	02/04/2021 10:32 PM	32 Hours, 10 Minutes	Montana-Dakota Utilities Co	MRO	North Dakota: Logan County, Emmons County, McIntosh 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	7	1400
2021	2	02/06/2021 6:50 AM	02/06/2021 2:43 PM	7 Hours, 53 Minutes	Duke Energy Midwest	RF	Ohio: Kentucky:	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
2021	2	02/08/2021 7:04 AM	02/08/2021 2:10 PM	7 Hours, 6 Minutes	Minnesota Power	MRO	Minnesota: St. Louis 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
2021	2	02/09/2021 10:51 AM	. .	. Hours, . Minutes	Duke Energy Progress	SERC	North Carolina:	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
2021	2	02/10/2021 3:00 PM	02/23/2021 3:00 PM	312 Hours, 0 Minutes	Oncor Electric Delivery Company LLC	TRE	Texas:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	2000000
2021	2	02/11/2021 8:30 AM	02/22/2021 9:00 AM	264 Hours, 30 Minutes	Prairie Power, Inc.	SERC	Illinois: Scott County;	Fuel supply emergencies that could impact electric power system adequacy or reliability.-Fuel Supply Deficiency	Unknown	Unknown
2021	2	02/11/2021 1:00 PM	. .	. Hours, . Minutes	Sunflower Electric Power Corp	MRO	Kansas:	Fuel supply emergencies that could impact electric power system adequacy or reliability.-Fuel Supply Deficiency	0	0

Table B.2 Major Disturbances and Unusual Occurrences, 2021

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
2021	2	02/11/2021 7:21 PM	02/11/2021 9:20 PM	1 Hours, 59 Minutes	Public Service Company of Colorado	WECC	Colorado: Morgan 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
2021	2	02/12/2021 3:30 PM	02/22/2021 7:30 AM	232 Hours, 0 Minutes	ERCOT	TRE	Texas:	Fuel supply emergencies that could impact electric power system adequacy or reliability.-Fuel Supply Deficiency	Unknown	Unknown
2021	2	02/12/2021 9:00 PM	02/20/2021 5:15 PM	188 Hours, 15 Minutes	Portland General Electric Co	WECC	Oregon: Clackamas County, Marion County, Polk County, Multnomah County, Washington County, Yamhill County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	300187
2021	2	02/13/2021 8:32 AM	02/14/2021 3:00 PM	30 Hours, 28 Minutes	Duke Energy Carolinas	SERC	South Carolina: North Carolina:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	129000
2021	2	02/13/2021 9:56 AM	02/13/2021 11:01 AM	1 Hours, 5 Minutes	Bonneville Power Administration	WECC	Washington: Lewis County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	164	37583
2021	2	02/13/2021 1:30 PM	02/19/2021 9:00 PM	151 Hours, 30 Minutes	American Electric Power - (RFC Reliability Region) (8400 Smiths Mill Road, New Albany Ohio 43054)	RF	West Virginia: Virginia:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	55097
2021	2	02/13/2021 1:30 PM	02/20/2021 8:00 AM	162 Hours, 30 Minutes	American Electric Power - Texas	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
2021	2	02/14/2021 5:30 AM	02/18/2021 10:00 AM	100 Hours, 30 Minutes	Oklahoma Municipal Power Authority	MRO	Oklahoma:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	Unknown	Unknown
2021	2	02/14/2021 8:30 AM	02/19/2021 6:00 PM	129 Hours, 30 Minutes	Oncor Electric Delivery Company LLC	TRE	Texas:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	7214	Unknown
2021	2	02/14/2021 8:30 AM	02/19/2021 6:00 PM	129 Hours, 30 Minutes	ERCOT	TRE	Texas:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	Unknown	Unknown
2021	2	02/14/2021 6:00 PM	02/16/2021 10:00 PM	52 Hours, 0 Minutes	Empire District Electric Co	SERC	Missouri: Jasper County;	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	0	0
2021	2	02/14/2021 7:05 PM	. .	. Hours, . Minutes	Evergy	SERC	Missouri: Kansas:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	Unknown	Unknown
2021	2	02/14/2021 8:00 PM	02/18/2021 9:28 AM	85 Hours, 28 Minutes	Southwest Power Pool, Inc.	MRO	North Dakota: South Dakota: Nebraska: Kansas: Oklahoma: Texas:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	3000	Unknown
2021	2	02/14/2021 8:21 PM	02/18/2021 9:30 AM	85 Hours, 9 Minutes	American Electric Power - (SPP Reliability Region)	SERC	Arkansas: Louisiana: Texas: Oklahoma:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	461	125484
2021	2	02/14/2021 8:32 PM	. .	. Hours, . Minutes	Lincoln Electric System	MRO	Nebraska: Lancaster County;	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	0	0
2021	2	02/15/2021 12:00 AM	. .	. Hours, . Minutes	Entergy Transmission Control Center - North	TRE	Texas:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	500	Unknown
2021	2	02/15/2021 12:00 AM	. .	. Hours, . Minutes	Entergy - Transmission Operations Engineering	TRE	Texas:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	500	Unknown
2021	2	02/15/2021 1:20 AM	. .	. Hours, . Minutes	South Texas Electric Coop, Inc	TRE	Texas:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	360	72000
2021	2	02/15/2021 1:20 AM	02/18/2021 12:02 AM	70 Hours, 42 Minutes	CenterPoint Energy Houston Electric, LLC	TRE	Texas: Harris County;	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	4966	1390000
2021	2	02/15/2021 1:20 AM	02/18/2021 12:42 AM	71 Hours, 22 Minutes	Magic Valley Electric Cooperative, Inc.	TRE	Texas: Hidalgo County, Cameron County;	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	Unknown	Unknown
2021	2	02/15/2021 1:20 AM	02/19/2021 9:00 AM	103 Hours, 40 Minutes	Oncor Electric Delivery Company LLC	TRE	Texas:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	7214	Unknown
2021	2	02/15/2021 1:23 AM	02/19/2021 5:30 AM	100 Hours, 7 Minutes	ERCOT	TRE	Texas:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	Unknown	Unknown
2021	2	02/15/2021 1:54 AM	02/17/2021 11:56 PM	70 Hours, 2 Minutes	TNMP	TRE	Texas:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	524	Unknown
2021	2	02/15/2021 1:54 AM	02/19/2021 9:00 AM	103 Hours, 6 Minutes	Austin Energy	TRE	Texas: Travis County;	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	724	Unknown
2021	2	02/15/2021 2:51 AM	02/19/2021 9:00 AM	102 Hours, 9 Minutes	Austin Energy	TRE	Texas: Travis County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	219306
2021	2	02/15/2021 3:06 AM	. .	. Hours, . Minutes	CPS Energy	TRE	Texas: Bexar County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	154000
2021	2	02/15/2021 5:00 AM	02/17/2021 4:00 PM	59 Hours, 0 Minutes	Arkansas Electric Coop Corp	SERC	Arkansas: Pulaski County;	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	Unknown	Unknown
2021	2	02/15/2021 5:27 AM	02/18/2021 8:18 AM	74 Hours, 51 Minutes	ERCOT	TRE	Texas:	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	Unknown	Unknown
2021	2	02/15/2021 5:36 AM	. .	. Hours, . Minutes	Entergy - Transmission Operations Engineering	TRE	Texas:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	300	Unknown
2021	2	02/15/2021 5:36 AM	. .	. Hours, . Minutes	Entergy Transmission Control Center - South	TRE	Texas:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	300	Unknown

Table B.2 Major Disturbances and Unusual Occurrences, 2021

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
2021	2	02/15/2021 5:40 AM	02/16/2021 1:11 PM	31 Hours, 31 Minutes	MISO	TRE	Texas:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	800	Unknown
2021	2	02/15/2021 6:45 AM	. .	. Hours, . Minutes	Entergy Corp	TRE	Texas: Arkansas:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	Unknown
2021	2	02/15/2021 6:51 AM	02/16/2021 1:19 PM	30 Hours, 28 Minutes	Oklahoma Gas & Electric Co	MRO	Oklahoma:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	350	200000
2021	2	02/15/2021 7:00 AM	02/18/2021 9:00 AM	74 Hours, 0 Minutes	Oklahoma Gas & Electric Co	MRO	Oklahoma:	Fuel supply emergencies that could impact electric power system adequacy or reliability.-Fuel Supply Deficiency	0	0
2021	2	02/15/2021 7:52 AM	02/17/2021 2:15 PM	54 Hours, 23 Minutes	Bluebonnet Electric Coop, Inc	TRE	Texas: Austin County; Bastrop County, Burleson County, Caldwell County, Colorado County, Fayette County, Gonzales County, Guadalupe County, Hays County, Lee County, Milam County, Travis County, Washington County, Williamson County;	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	107	25000
2021	2	02/15/2021 8:50 AM	02/18/2021 9:30 AM	72 Hours, 40 Minutes	Sunflower Electric Power Corp	MRO	Kansas:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	Unknown	Unknown
2021	2	02/15/2021 9:10 AM	. .	. Hours, . Minutes	Southwestern Public Service	TRE	Texas: Randall County;	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	0	0
2021	2	02/15/2021 10:00 AM	. .	. Hours, . Minutes	Lincoln Electric System	MRO	Nebraska: Lancaster County;	Fuel supply emergencies that could impact electric power system adequacy or reliability.-Fuel Supply Deficiency	613	Unknown
2021	2	02/15/2021 10:24 AM	02/18/2021 9:52 AM	71 Hours, 28 Minutes	Lubbock Power & Light	TRE	Texas: Lubbock County;	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	116	29942
2021	2	02/15/2021 12:18 PM	02/15/2021 1:22 PM	1 Hours, 4 Minutes	Evergy	SERC	Missouri: Kansas:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	Unknown	Unknown
2021	2	02/15/2021 1:00 PM	02/20/2021 10:00 AM	117 Hours, 0 Minutes	Southwestern Public Service Company	TRE	Texas:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	Unknown	175000
2021	2	02/15/2021 2:00 PM	02/15/2021 6:00 PM	4 Hours, 0 Minutes	Louisiana Generating LLC	SERC	Louisiana:	Fuel supply emergencies that could impact electric power system adequacy or reliability.-Fuel Supply Deficiency	Unknown	Unknown
2021	2	02/15/2021 3:00 PM	02/19/2021 10:00 AM	91 Hours, 0 Minutes	Cleco Power LLC	SERC	Louisiana:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	Unknown	Unknown
2021	2	02/15/2021 5:00 PM	02/15/2021 10:59 PM	5 Hours, 59 Minutes	Cooperative Energy	SERC	Mississippi:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	Unknown	Unknown
2021	2	02/15/2021 6:00 PM	02/15/2021 11:55 PM	5 Hours, 55 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
2021	2	02/15/2021 6:00 PM	02/15/2021 11:59 PM	5 Hours, 59 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
2021	2	02/15/2021 6:00 PM	02/15/2021 11:59 PM	5 Hours, 59 Minutes	Louisiana Generating LLC	SERC	Louisiana:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-System Operations	Unknown	Unknown
2021	2	02/15/2021 7:48 PM	02/18/2021 10:30 AM	62 Hours, 42 Minutes	Oklahoma Municipal Power Authority	MRO	Oklahoma: Kay County;	Fuel supply emergencies that could impact electric power system adequacy or reliability.-Fuel Supply Deficiency	0	Unknown
2021	2	02/16/2021 1:00 AM	02/16/2021 9:28 PM	20 Hours, 28 Minutes	American Electric Power - (RFC Reliability Region) (8400 Smiths Mill Road, New Albany Ohio 43054)	SERC	Kentucky:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	54167
2021	2	02/16/2021 4:26 AM	. .	. Hours, . Minutes	Entergy Transmission Control Center - South	TRE	Texas:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	300	Unknown
2021	2	02/16/2021 5:30 AM	02/16/2021 2:00 PM	8 Hours, 30 Minutes	Midcontinent Independent System Operator	SERC	Louisiana: Texas: Illinois:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	1420	Unknown
2021	2	02/16/2021 6:10 AM	. .	. Hours, . Minutes	Ameren Illinois Company	SERC	Missouri:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather/Transmission Interruption	130	Unknown
2021	2	02/16/2021 6:24 AM	02/16/2021 10:41 AM	4 Hours, 17 Minutes	Louisiana Generating LLC	SERC	Louisiana:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-System Operations	100	18150
2021	2	02/16/2021 6:48 AM	. .	. Hours, . Minutes	Entergy - Transmission Operations Engineering	SERC	Louisiana:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	360	Unknown
2021	2	02/16/2021 6:48 AM	. .	. Hours, . Minutes	Entergy Transmission Control Center - South	SERC	Louisiana: Texas:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	402	Unknown
2021	2	02/16/2021 7:03 AM	02/20/2021 10:00 PM	110 Hours, 57 Minutes	Evergy	MRO	Kansas: Missouri:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	Unknown	222000
2021	2	02/16/2021 7:17 AM	02/16/2021 10:08 AM	2 Hours, 51 Minutes	Southwestern Public Service	TRE	Texas:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	168	840000
2021	2	02/16/2021 7:20 AM	02/16/2021 10:02 AM	2 Hours, 42 Minutes	Omaha Public Power District	MRO	Nebraska: Douglas County; Burt County, Washington County, Dodge County, Colfax County, Saunders County, Sarpy County, Cass County, Otoe County, Johnson County, Nemaha County, Pawnee County, Richardson County;	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	126	81100
2021	2	02/16/2021 7:22 AM	02/16/2021 8:00 AM	0 Hours, 38 Minutes	Cleco Power LLC	SERC	Louisiana: Allen Parish, St. Landry Parish, Evangeline Parish;	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	153	Unknown

Table B.2 Major Disturbances and Unusual Occurrences, 2021

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
2021	2	02/16/2021 9:31 AM	02/16/2021 10:27 AM	0 Hours, 56 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	31	Unknown
2021	2	02/16/2021 4:40 PM	02/20/2021 12:00 AM	79 Hours, 20 Minutes	Ameren Illinois Company	SERC	Missouri:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	Unknown	Unknown
2021	2	02/16/2021 5:35 PM	02/17/2021 12:00 AM	6 Hours, 25 Minutes	Cooperative Energy	SERC	Mississippi:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	Unknown	Unknown
2021	2	02/16/2021 5:35 PM	02/17/2021 12:00 AM	6 Hours, 25 Minutes	Lafayette Public Power Auth	SERC	Louisiana: Lafayette Parish;	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	Unknown	Unknown
2021	2	02/16/2021 6:19 PM	. .	. Hours, . Minutes	Entergy - Transmission Operations Engineering	SERC	Arkansas:	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	Unknown	Unknown
2021	2	02/16/2021 6:35 PM	02/17/2021 1:00 AM	6 Hours, 25 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.-Fuel Supply Deficiency	Unknown	Unknown
2021	2	02/16/2021 6:35 PM	02/17/2021 1:00 AM	6 Hours, 25 Minutes	Louisiana Generating LLC	SERC	Louisiana:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-System Operations	Unknown	Unknown
2021	2	02/16/2021 7:40 PM	02/17/2021 1:00 AM	5 Hours, 20 Minutes	Entergy Services, Inc.	TRE	Texas:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	538	Unknown
2021	2	02/16/2021 7:43 PM	02/16/2021 9:41 PM	1 Hours, 58 Minutes	Midcontinent Independent System Operator	SERC	Louisiana: Arkansas: Texas: Mississippi:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	700	Unknown
2021	2	02/17/2021 9:00 AM	02/19/2021 9:00 AM	48 Hours, 0 Minutes	Sunflower Electric Power Corp	MRO	Kansas:	Fuel supply emergencies that could impact electric power system adequacy or reliability.-Fuel Supply Deficiency	Unknown	Unknown
2021	2	02/17/2021 10:30 AM	02/17/2021 6:04 PM	7 Hours, 34 Minutes	Duke Energy Progress	SERC	North Carolina:	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
2021	2	02/17/2021 5:00 PM	02/17/2021 10:00 PM	5 Hours, 0 Minutes	Lafayette Public Power Auth	SERC	Louisiana: Lafayette Parish;	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	400	67000
2021	2	02/17/2021 5:00 PM	02/17/2021 10:00 PM	5 Hours, 0 Minutes	Cooperative Energy	SERC	Mississippi:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	Unknown	Unknown
2021	2	02/17/2021 6:00 PM	02/17/2021 11:00 PM	5 Hours, 0 Minutes	Louisiana Generating LLC	SERC	Louisiana:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-System Operations	Unknown	Unknown
2021	2	02/17/2021 6:00 PM	02/17/2021 11:00 PM	5 Hours, 0 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
2021	2	02/19/2021 6:48 AM	. .	. Hours, . Minutes	Entergy - Transmission Operations Engineering	SERC	Louisiana: Texas:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-Severe Weather	402	Unknown
2021	3	03/01/2021 10:45 PM	03/02/2021 6:35 PM	19 Hours, 50 Minutes	ISO New England	NPCC	Connecticut: Massachusetts: New Hampshire: Maine: Rhode Island: Vermont:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	69260
2021	3	03/06/2021 3:21 AM	03/06/2021 4:07 AM	0 Hours, 46 Minutes	Pacific Gas & Electric Co	WECC	California: Tuolumne 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	22	24000
2021	3	03/17/2021 6:15 AM	03/18/2021 12:00 PM	29 Hours, 45 Minutes	Oncor Electric Delivery Company LLC	TRE	Texas: Dallas County, Tarrant County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	148000
2021	3	03/17/2021 6:27 AM	03/17/2021 8:27 AM	2 Hours, 0 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	43	7381
2021	3	03/29/2021 11:06 AM	. .	. Hours, . Minutes	ISO New England	NPCC	Connecticut: Massachusetts: Maine: Vermont: Rhode Island: New Hampshire:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	70000
2021	3	03/30/2021 4:18 PM	03/30/2021 8:21 PM	4 Hours, 3 Minutes	American Electric Power - Texas	TRE	Texas: Hidalgo 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
2021	4	04/13/2021 4:49 PM	04/13/2021 8:30 PM	3 Hours, 41 Minutes	ERCOT	TRE	Texas:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	0	0
2021	4	04/21/2021 8:31 PM	04/21/2021 9:35 PM	1 Hours, 4 Minutes	Northern States Power Co	MRO	Minnesota: Dakota 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
2021	4	04/22/2021 5:15 AM	. .	. Hours, . Minutes	California Department of Water Resources	WECC	California:	Fuel supply emergencies that could impact electric power system adequacy or reliability.-Fuel Supply Deficiency	0	0
2021	4	04/24/2021 9:00 PM	04/25/2021 10:43 AM	13 Hours, 43 Minutes	Southern Company	SERC	Alabama: Calhoun County; Georgia:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	137	18860

Table B.2 Major Disturbances and Unusual Occurrences, 2021

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
2021	5	05/04/2021 3:45 PM	05/05/2021 10:00 AM	18 Hours, 15 Minutes	Entergy Corp	SERC	Arkansas:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	104027
2021	5	05/04/2021 6:06 PM	05/05/2021 5:48 PM	23 Hours, 42 Minutes	Southern Company	SERC	Mississippi: Alabama: Georgia:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	175	24457
2021	5	05/06/2021 5:00 PM	05/06/2021 5:15 PM	0 Hours, 15 Minutes	Empire District Electric Co	SERC	Missouri: Jasper County;	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-System Operations	0	0
2021	5	05/18/2021 11:25 PM	05/19/2021 8:30 PM	21 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	125000
2021	5	05/20/2021 10:06 AM	05/20/2021 1:45 PM	3 Hours, 39 Minutes	Florida Power & Light	SERC	Florida: Brevard 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	35000
2021	5	05/27/2021 6:51 PM	05/28/2021 3:56 PM	21 Hours, 5 Minutes	Southern California Edison Co	WECC	California: Nevada:	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
2021	5	05/28/2021 9:24 PM	05/28/2021 9:25 PM	0 Hours, 1 Minutes	JEA	SERC	Florida: Duval County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Transmission Interruption	1850	10000
2021	6	06/06/2021 2:57 PM	06/06/2021 4:00 PM	1 Hours, 3 Minutes	Duke Energy Midwest	RF	Indiana: Clay 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
2021	6	06/07/2021 1:26 PM	06/07/2021 1:27 PM	0 Hours, 1 Minutes	Vistra Energy	TRE	Texas: Somervell County, Ellis County;	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.-Generation Inadequacy	1435	0
2021	6	06/07/2021 10:27 PM	06/08/2021 12:33 AM	2 Hours, 6 Minutes	Western Area Power Administration - Upper Great Plains Region	MRO	Minnesota: North Dakota:	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-Severe Weather/Transmission Interruption	23	1
2021	6	06/10/2021 10:28 PM	06/10/2021 11:07 PM	0 Hours, 39 Minutes	Board of Public Utilities, Kansas City	MRO	Kansas: Wyandotte 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	90	9800
2021	6	06/11/2021 3:26 AM	06/11/2021 3:48 AM	0 Hours, 22 Minutes	Western Area Power Administration - Upper Great Plains Region - (NCR01036)	MRO	South Dakota: Brown 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
2021	6	06/14/2021 12:15 PM	06/18/2021 7:00 PM	102 Hours, 45 Minutes	ERCOT	TRE	Texas:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-System Operations	Unknown	Unknown
2021	6	06/14/2021 12:55 PM	06/18/2021 7:00 PM	102 Hours, 5 Minutes	Oncor Electric Delivery Company LLC	TRE	Texas:	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-System Operations	Unknown	Unknown
2021	6	06/16/2021 10:40 AM	06/16/2021 10:43 AM	0 Hours, 3 Minutes	Entergy - Transmission Operations Engineering	SERC	Louisiana: West Baton Rouge 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	7	1841
2021	6	06/19/2021 6:54 PM	06/19/2021 9:01 PM	2 Hours, 7 Minutes	Pacific Gas & Electric Co	WECC	California: Alameda County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-System Operations	93	51806
2021	6	06/21/2021 5:14 AM	06/21/2021 7:00 PM	13 Hours, 46 Minutes	Detroit Edison Co	RF	Michigan:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	151852
2021	6	06/24/2021 3:34 AM	06/24/2021 5:07 AM	1 Hours, 33 Minutes	Pacific Gas & Electric Co	WECC	California: Plumas County;	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system.-Transmission Interruption	36	7621
2021	6	06/28/2021 11:22 AM	. .	. Hours, . Minutes	Duke Energy Progress	SERC	North Carolina:	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
2021	6	06/28/2021 1:20 PM	. .	. Hours, . Minutes	Avista Corp	WECC	Washington: Spokane County, Stevens County, Lincoln County, Adams County, Whitman County; Idaho: Kootenai County, Bonner County, Shoshone County, Boundary County, Benewah County, Latah County, Nez Perce County;	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System.-Severe Weather	44	Unknown
2021	6	06/29/2021 4:00 PM	. .	. Hours, . Minutes	Detroit Edison Co	RF	Michigan: Oakland County, Macomb County, Wayne County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	53000
2021	6	06/30/2021 6:50 PM	. .	. Hours, . Minutes	ISO New England	NPCC	Connecticut: Massachusetts: Rhode Island: Vermont: New Hampshire: Maine:	Loss of electric service to more than 50,000 customers for 1 hour or more.-Severe Weather	Unknown	53103

Table B.2 Major Disturbances and Unusual Occurrences, 2021

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
2021	7	07/06/2021 7:41 PM	07/06/2021 9:50 PM	2 Hours, 9 Minutes	Jersey Central Power & Lt Co	RF	Ohio:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather/Transmisison Interruption	Unknown	136827
2021	7	07/06/2021 7:41 PM	07/06/2021 9:50 PM	2 Hours, 9 Minutes	Jersey Central Power & Lt Co	RF	Ohio:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather/Transmisison Interruption	Unknown	136827
2021	7	07/07/2021 3:30 PM	. .	. Hours, . Minutes	Detroit Edison Co	RF	Michigan: Macomb County, Oakland County, Monroe County, Livingston County, St. Clair County, Washtenaw County, Wayne County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	90000
2021	7	07/07/2021 3:30 PM	. .	. Hours, . Minutes	Detroit Edison Co	RF	Michigan: Macomb County, Oakland County, Monroe County, Livingston County, St. Clair County, Washtenaw County, Wayne County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	90000
2021	7	07/10/2021 12:00 AM	07/11/2021 4:00 PM	40 Hours, 0 Minutes	Omaha Public Power District	MRO	Nebraska:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	188000
2021	7	07/10/2021 12:00 AM	07/11/2021 4:00 PM	40 Hours, 0 Minutes	Omaha Public Power District	MRO	Nebraska:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	188000
2021	7	07/10/2021 12:30 AM	07/10/2021 5:00 AM	4 Hours, 30 Minutes	Southwest Power Pool, Inc.	MRO/SERC	Missouri: Nebraska:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather/Transmisison Interruption	Unknown	212500
2021	7	07/10/2021 12:30 AM	07/10/2021 5:00 AM	4 Hours, 30 Minutes	Southwest Power Pool, Inc.	MRO/SERC	Nebraska: Missouri:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather/Transmisison Interruption	Unknown	211500
2021	7	07/10/2021 12:30 AM	07/10/2021 5:00 AM	4 Hours, 30 Minutes	Southwest Power Pool, Inc.	MRO/SERC	Missouri: Nebraska:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather/Transmisison Interruption	Unknown	212500
2021	7	07/10/2021 12:30 AM	07/10/2021 5:00 AM	4 Hours, 30 Minutes	Southwest Power Pool, Inc.	MRO/SERC	Nebraska: Missouri:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather/Transmisison Interruption	Unknown	211500
2021	7	07/10/2021 1:55 AM	07/10/2021 1:56 AM	0 Hours, 1 Minutes	Ameren Illinois Company	SERC	Missouri:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	52000
2021	7	07/10/2021 1:55 AM	07/10/2021 1:56 AM	0 Hours, 1 Minutes	Ameren Illinois Company	SERC	Missouri:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	52000
2021	7	07/14/2021 2:15 PM	07/14/2021 2:16 PM	0 Hours, 1 Minutes	Pacific Gas & Electric Co	WECC	California: Plumas County;	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system-Severe Weather/Transmisison Interruption	35	11000
2021	7	07/14/2021 2:15 PM	07/14/2021 2:16 PM	0 Hours, 1 Minutes	Pacific Gas & Electric Co	WECC	California: Plumas County;	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system-Severe Weather/Transmisison Interruption	35	11000
2021	7	07/21/2021 2:45 PM	07/22/2021 12:00 PM	21 Hours, 15 Minutes	Exelon Corporation/PECO	RF	Pennsylvania: Bucks County, Chester County, Delaware County, Montgomery County, Philadelphia County, York	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	81503
2021	7	07/21/2021 2:45 PM	07/22/2021 12:00 PM	21 Hours, 15 Minutes	Exelon Corporation/PECO	RF	Pennsylvania: Bucks County, Chester County, Delaware County, Montgomery County, Philadelphia County, York	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	81503
2021	7	07/23/2021 8:20 AM	07/23/2021 10:45 AM	2 Hours, 25 Minutes	Dominion Energy VA	RF/SERC	Virginia: West Virginia:	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.-System Operations	0	0
2021	7	07/23/2021 8:20 AM	07/23/2021 10:45 AM	2 Hours, 25 Minutes	Dominion Energy VA	RF/SERC	Virginia: West Virginia:	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.-System Operations	0	0
2021	7	07/24/2021 8:30 PM	. .	. Hours, . Minutes	Detroit Edison Co	RF	Michigan: Wayne County, Oakland County, Livingston County, Macomb County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	225949
2021	7	07/24/2021 8:30 PM	. .	. Hours, . Minutes	Detroit Edison Co	RF	Michigan: Wayne County, Oakland County, Livingston County, Macomb County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	225949
2021	7	07/28/2021 12:54 PM	07/28/2021 3:42 PM	2 Hours, 48 Minutes	Central Maine Power Co	NPCC	Maine:	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.-System Operations	0	0
2021	7	07/28/2021 12:54 PM	07/28/2021 3:42 PM	2 Hours, 48 Minutes	Central Maine Power Co	NPCC	Maine:	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.-System Operations	0	0
2021	7	07/30/2021 8:02 AM	07/30/2021 9:34 AM	1 Hours, 32 Minutes	WEC Energy Group (WEPCO, WPSC, UMERC, WEP-MIUP)	MRO	Wisconsin:	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.-Cyber Event	0	0
2021	7	07/30/2021 8:02 AM	07/30/2021 9:34 AM	1 Hours, 32 Minutes	WEC Energy Group (WEPCO, WPSC, UMERC, WEP-MIUP)	MRO	Wisconsin:	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.-Cyber Event	0	0
2021	8	08/01/2021 11:37 PM	08/02/2021 12:00 AM	0 Hours, 23 Minutes	Pacific Gas & Electric Co	WECC	California: Humboldt County, Trinity County;	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system-Severe Weather	95	65888
2021	8	08/02/2021 12:18 AM	08/02/2021 10:47 AM	10 Hours, 29 Minutes	LCRA TSC	TRE	Texas: Hays 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	24	9400

Table B.2 Major Disturbances and Unusual Occurrences, 2021

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
2021	8	08/02/2021 6:23 AM	08/02/2021 3:55 PM	9 Hours, 32 Minutes	LCRA TSC	TRE	Texas: Hays 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	43	19000
2021	8	08/03/2021 4:35 AM	08/03/2021 5:28 AM	0 Hours, 53 Minutes	Bonneville Power Administration	WECC	Oregon: Linn County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-System Operations	4	Unknown
2021	8	08/10/2021 8:00 PM	. .	. Hours, . Minutes	WEC Energy Group (WEPCO, WPSC, UMERC, WEP-MIUP)	RF/SERC	Wisconsin: Waukesha County, Milwaukee County, Kenosha County, Racine County, Washington County, Ozaukee County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	233000
2021	8	08/10/2021 8:30 PM	08/11/2021 7:00 PM	22 Hours, 30 Minutes	ComEd	RF/SERC	Illinois:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	318761
2021	8	08/10/2021 10:30 PM	08/13/2021 4:38 PM	66 Hours, 8 Minutes	Consumers Energy Co	RF	Michigan: Antrim County, Barry County, Benzie County, Branch County, Calhoun County, Clare County, Clinton County, Crawford County, Eaton County, Genesee County, Gladwin County, Grand Traverse County, Gratiot County, Hillsdale County, Ingham County, Ionia County, Isabella County, Jackson County, Kalamazoo County, Kalkaska County, Kent County, Lake County,	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	372600
2021	8	08/11/2021 3:35 PM	. .	. Hours, . Minutes	Detroit Edison Co	RF	Michigan: Huron County, Macomb County, Lapeer County, Macomb County, Monroe County, Oakland County, St. Clair County, Tuscola County, Wayne County, Washtenaw County, Livingston County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	700000
2021	8	08/11/2021 7:12 PM	08/11/2021 9:49 PM	2 Hours, 37 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	92109
2021	8	08/12/2021 6:57 PM	08/13/2021 6:00 AM	11 Hours, 3 Minutes	Ameren Missouri	RF/SERC	Illinois: Missouri:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	101000
2021	8	08/17/2021 7:15 PM	08/18/2021 5:45 PM	22 Hours, 30 Minutes	Pacific Gas & Electric Co	WECC	California: Butte County, Colusa County, Glenn County, Lake County, Lassen County, Mendocino County, Napa County, Plumas County, Shasta County, Sierra County, Solano County, Sonoma County, Tehama County, Trinity County, Yolo County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	234	71000
2021	8	08/21/2021 10:14 AM	08/21/2021 10:52 AM	0 Hours, 38 Minutes	Idaho Power Company	WECC	Idaho: Elmore County;	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system-Severe Weather	0	418
2021	8	08/22/2021 12:11 PM	08/23/2021 4:30 PM	28 Hours, 19 Minutes	ISO New England	NPCC	Connecticut: Massachusetts: Maine: Rhode Island: Vermont:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	28134
2021	8	08/24/2021 5:00 PM	08/26/2021 2:07 PM	45 Hours, 7 Minutes	Consumers Energy Co	RF	Michigan: Arenac County, Bay County, Clare County, Genesee County, Gladwin County, Gratiot County, Isabella County, Iosco County, Kalamazoo County, Kent County, Barry County, Missaukee County, Montcalm County, Muskegon County, Newaygo County, Mecosta County, Midland County, Saginaw County, Ottawa County, Van	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	84987
2021	8	08/24/2021 9:37 PM	. .	. Hours, . Minutes	Detroit Edison Co	RF	Michigan: Huron County, Lapeer County, Macomb County, Monroe County, Oakland County, St. Clair County, Wayne County, Washtenaw County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	65000
2021	8	08/29/2021 9:32 AM	08/29/2021 9:32 PM	12 Hours, 0 Minutes	Entergy - Transmission Operations Engineering	SERC	Louisiana: Pointe Coupee 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	Unknown	Unknown
2021	8	08/29/2021 11:30 AM	. .	. Hours, . Minutes	Entergy Corp	SERC	Louisiana:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	Unknown
2021	8	08/29/2021 5:53 PM	. .	. Hours, . Minutes	Entergy Transmission Control Center - North	SERC	Louisiana:	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system-Severe Weather	Unknown	Unknown
2021	8	08/29/2021 6:00 PM	09/03/2021 1:41 PM	115 Hours, 41 Minutes	Cleco Power LLC	SERC	Louisiana:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	91315
2021	8	08/29/2021 6:04 PM	08/31/2021 10:36 PM	52 Hours, 32 Minutes	Entergy - Transmission Operations Engineering	SERC	Louisiana: St. Charles Parish;	Complete loss of off-site power (LOOP) affecting a nuclear generating station per the Nuclear Plant Interface Requirements.-Severe Weather	Unknown	Unknown
2021	8	08/29/2021 8:25 PM	. .	. Hours, . Minutes	Consolidated Edison of New York, Inc.	NPCC	New York:	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	796	0
2021	8	08/29/2021 10:39 PM	09/03/2021 8:38 AM	105 Hours, 59 Minutes	Louisiana Generating LLC	SERC	Louisiana:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	50000
2021	9	09/01/2021 5:30 PM	09/02/2021 2:00 AM	8 Hours, 30 Minutes	Exelon Corporation/PECO	RF	Pennsylvania: Bucks County, Chester County, Delaware County, Montgomery County, Philadelphia County, York	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	252740

Table B.2 Major Disturbances and Unusual Occurrences, 2021

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
2021	9	09/07/2021 5:30 PM	09/09/2021 9:00 AM	39 Hours, 30 Minutes	Consumers Energy	RF	Michigan: Osceola County, Kalamazoo County, Van Buren County, Saginaw County, Arenac County, Lake County, Clare County, Mecosta County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	80000
2021	9	09/07/2021 8:00 PM	09/09/2021 7:00 AM	35 Hours, 0 Minutes	Detroit Edison Co	RF	Michigan: Wayne County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	60000
2021	9	09/08/2021 12:15 PM	09/08/2021 12:38 PM	0 Hours, 23 Minutes	Western Area Power Administration - Upper Great Plains Region - (NCR01036)	MRO	North Dakota: Cass 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	37	1
2021	9	09/09/2021 5:00 PM	09/09/2021 8:00 PM	3 Hours, 0 Minutes	NV Energy	WECC	Nevada: Clark County, Washoe County;	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System-System Operations	8000	1300000
2021	9	09/10/2021 1:55 AM	09/10/2021 2:04 AM	0 Hours, 9 Minutes	Duke Energy Florida	SERC	Florida: Citrus 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	75	Unknown
2021	9	09/10/2021 7:20 AM	09/10/2021 9:05 AM	1 Hours, 45 Minutes	Pacific Gas and Electric	WECC	California:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	89	59649
2021	9	09/10/2021 11:17 AM	09/10/2021 11:19 AM	0 Hours, 2 Minutes	Western Area Power Administration - Upper Great Plains Region - (NCR01036)	MRO	North Dakota: McKenzie 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	6	1
2021	9	09/13/2021 12:18 PM	09/13/2021 1:15 PM	0 Hours, 57 Minutes	Bonneville Power Administration	WECC	Washington: Skagit 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
2021	9	09/13/2021 6:00 PM	09/14/2021 12:49 AM	6 Hours, 49 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	66589
2021	9	09/13/2021 11:59 PM	. .	. Hours, . 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	204280
2021	9	09/14/2021 12:35 AM	09/18/2021 7:20 PM	114 Hours, 45 Minutes	CenterPoint Energy	TRE	Texas: Harris County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	1905	705415
2021	9	09/14/2021 7:36 AM	09/15/2021 1:48 AM	18 Hours, 12 Minutes	ERCOT	TRE	Texas:	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system-Severe Weather	0	Unknown
2021	9	09/14/2021 7:52 AM	09/14/2021 10:44 PM	14 Hours, 52 Minutes	ERCOT	TRE	Texas:	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system-Severe Weather	0	Unknown
2021	9	09/16/2021 2:49 PM	09/16/2021 8:02 PM	5 Hours, 13 Minutes	American Electric Power - (SPP Reliability Region)	MRO/SERC	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	100	4000
2021	9	09/16/2021 2:49 PM	09/16/2021 8:02 PM	5 Hours, 13 Minutes	American Electric Power - (SPP Reliability Region)	MRO/SERC	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	100	4000
2021	9	09/17/2021 3:00 AM	09/18/2021 10:00 PM	43 Hours, 0 Minutes	Northern States Power Co	MRO	Minnesota:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	82000
2021	9	09/17/2021 11:00 PM	09/19/2021 12:00 PM	37 Hours, 0 Minutes	Puget Sound Energy	WECC	Washington: Pierce County, Whatcom County, Skagit County, King County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather/Transmission Interruption	Unknown	87000
2021	9	09/22/2021 5:17 PM	. .	. Hours, . Minutes	Detroit Edison Co	RF	Michigan: Lenawee County, Livingston County, Genesee County, Tuscola County, Huron County, Sanilac County, Lapeer County, St. Clair County, Macomb County, Oakland County, Washtenaw County, Wayne County, Monroe County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	136000
2021	9	09/28/2021 1:44 PM	09/28/2021 1:56 PM	0 Hours, 12 Minutes	Gridforce Energy Management LLC	SERC	Kentucky: Henderson County;	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system-Transmission Interruption	20	5000
2021	10	10/10/2021 10:15 PM	10/12/2021 5:00 PM	42 Hours, 45 Minutes	Oncor Electric Delivery Company LLC	TRE	Texas: Collin County, Dallas County, Denton County, Ellis County, Hunt County, Johnson County, Palo Pinto County, Tarrant County, Wichita County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	110000
2021	10	10/11/2021 2:22 PM	10/11/2021 8:30 PM	6 Hours, 8 Minutes	Pacific Gas & Electric Co	WECC	California:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	126	84000
2021	10	10/16/2021 2:16 PM	10/16/2021 6:41 PM	4 Hours, 25 Minutes	Bonneville Power Administration	WECC	Oregon: Lane 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	Unknown

Table B.2 Major Disturbances and Unusual Occurrences, 2021

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
2021	10	10/19/2021 3:34 PM	10/19/2021 4:26 PM	0 Hours, 52 Minutes	FirstEnergy Corp	RF	Ohio: Summit County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-System Operations	42	1
2021	10	10/24/2021 7:00 AM	10/26/2021 9:30 PM	62 Hours, 30 Minutes	Puget Sound Energy	WECC	Washington: King County, Pierce County, Skagit County, Thurston County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	233000
2021	10	10/24/2021 8:55 AM	10/25/2021 6:15 PM	33 Hours, 20 Minutes	Pacific Gas & Electric Co	WECC	California:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	116	59000
2021	10	10/27/2021 2:25 AM	10/29/2021 8:37 AM	54 Hours, 12 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	169000
2021	10	10/27/2021 5:57 PM	10/28/2021 4:49 PM	22 Hours, 52 Minutes	Entergy - Transmission Operations Engineering	SERC	Louisiana: Ascension 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).-System Operations	0	0
2021	10	10/28/2021 12:47 PM	10/28/2021 1:05 PM	0 Hours, 18 Minutes	Western Area Power Administration - Upper Great Plains Region - (NCR01036)	WECC	Montana: Valley County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-System Operations	20	0
2021	10	10/28/2021 2:15 PM	10/30/2021 8:00 AM	41 Hours, 45 Minutes	Oncor Electric Delivery Company LLC	TRE	Texas: Angelina County, Bell County, Cherokee County, Collin County, Denton County, Dallas County, Ellis County, Hunt County, Johnson County, McLennan County, Nacogdoches County, Smith County, Tarrant County, Travis County, Williamson County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	250000
2021	10	10/28/2021 2:45 PM	10/29/2021 8:30 PM	29 Hours, 45 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	130000
2021	11	11/04/2021 9:34 PM	11/04/2021 10:57 PM	1 Hours, 23 Minutes	Western Area Power Administration - Upper Great Plains Region - (NCR05467)	WECC	Montana: Hill County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-System Operations	44	Unknown
2021	11	11/08/2021 10:53 PM	11/08/2021 11:33 PM	0 Hours, 40 Minutes	Puget Sound Energy	WECC	Washington: King County;	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system-System Operations	9	Unknown
2021	11	11/09/2021 6:00 PM	11/09/2021 8:00 PM	2 Hours, 0 Minutes	Clarksdale Public Utilities	SERC	Mississippi: Coahoma County;	Public appeal to reduce the use of electricity for purposes of maintaining the continuity of the Bulk Electric System-System Operations	Unknown	Unknown
2021	11	11/10/2021 9:49 AM	11/10/2021 10:05 AM	0 Hours, 16 Minutes	Consolidated Edison of New York, Inc.	NPCC	New York:	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
2021	11	11/10/2021 9:19 PM	11/11/2021 1:19 AM	4 Hours, 0 Minutes	Entergy - Transmission Operations Engineering	TRE	Texas: Brazos 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
2021	11	11/11/2021 5:52 AM	11/11/2021 6:09 AM	0 Hours, 17 Minutes	Entergy - Transmission Operations Engineering	TRE	Texas: Montgomery County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-System Operations	67	Unknown
2021	11	11/15/2021 11:00 AM	11/17/2021 6:00 AM	43 Hours, 0 Minutes	Puget Sound Energy	WECC	Washington: King County, Kitsap County, Whatcom County, Thurston County, Pierce County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	90000
2021	11	11/24/2021 10:00 AM	11/26/2021 10:21 AM	48 Hours, 21 Minutes	Southern California Edison Co	WECC	California: Riverside County, Ventura County, San Bernardino County, Orange County, Los Angeles	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	81406
2021	11	11/30/2021 6:46 AM	11/30/2021 6:47 AM	0 Hours, 1 Minutes	Duke Energy Carolinas	SERC	North Carolina: South Carolina:	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-System Operations	0	0
2021	11	11/30/2021 1:47 PM	11/30/2021 2:21 PM	0 Hours, 34 Minutes	Pacific Gas & Electric Co	WECC	California:	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system-System Operations	10	6000
2021	12	12/07/2021 2:33 PM	12/07/2021 3:40 PM	1 Hours, 7 Minutes	Duke Energy Midwest	RF	Indiana: Putnam 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
2021	12	12/11/2021 3:13 AM	12/15/2021 3:30 PM	108 Hours, 17 Minutes	Nashville Electric Service	SERC	Tennessee: Davidson County, Sumner County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	177	107344
2021	12	12/11/2021 10:30 AM	12/11/2021 3:00 PM	4 Hours, 30 Minutes	Consumers Energy Co	MRO	Michigan: Van Buren County, Gladwin County, Montcalm County, Branch County, Allegan County, Ionia County, Newaygo County, Mecosta County, Lake County, Midland County, Ogemaw County, Osceola County, Tuscola	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	159947
2021	12	12/11/2021 11:13 AM	12/12/2021 11:06 PM	35 Hours, 53 Minutes	Detroit Edison Co	MRO	Michigan:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	182410

Table B.2 Major Disturbances and Unusual Occurrences, 2021

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
2021	12	12/11/2021 6:16 PM	12/13/2021 5:00 PM	46 Hours, 44 Minutes	National Grid	NPCC	New York:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	103000
2021	12	12/14/2021 7:28 AM	12/14/2021 1:43 PM	6 Hours, 15 Minutes	Pacific Gas & Electric Co	WECC	California: Humboldt County;	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system-Severe Weather	120	65994
2021	12	12/14/2021 9:39 AM	12/14/2021 9:48 AM	0 Hours, 9 Minutes	Chelan County PUD	WECC	Washington: Chelan County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-System Operations	0	0
2021	12	12/15/2021 3:56 PM	12/15/2021 5:27 PM	1 Hours, 31 Minutes	Nebraska Public Power District	MRO	Nebraska: Burt County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-System Operations	5	Unknown
2021	12	12/15/2021 4:37 PM	. .	. Hours, . Minutes	Evergy	SERC/MRO	Missouri: Kansas:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	Unknown
2021	12	12/15/2021 4:37 PM	12/16/2021 11:30 AM	18 Hours, 53 Minutes	Evergy, Inc	SERC/MRO	Missouri: Kansas:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	0	258000
2021	12	12/15/2021 6:00 PM	12/16/2021 9:00 AM	15 Hours, 0 Minutes	Alliant Energy	MRO	Iowa: Wisconsin:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	134000
2021	12	12/15/2021 7:00 PM	12/16/2021 3:00 AM	8 Hours, 0 Minutes	Southwest Power Pool, Inc.	MRO	Kansas:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	174000
2021	12	12/15/2021 8:00 PM	. .	. Hours, . Minutes	We Energies	MRO	Wisconsin:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	156000
2021	12	12/15/2021 8:00 PM	. .	. Hours, . Minutes	WPSC	MRO	Wisconsin:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	80000
2021	12	12/16/2021 6:00 AM	12/16/2021 8:00 PM	14 Hours, 0 Minutes	Consumers Energy Co	MRO	Michigan: Antrim County, Kalkaska County, Grand Traverse County, Leelanau County, Benzie County, Manistee County, Wexford County, Missaukee County, Lake County, Osceola County, Oceana County, Newaygo County, Mecosta County, Emmet County, Charlevoix County, Cheboygan County, Clare County, Roscommon County, Crawford County, Ogemaw County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	200675
2021	12	12/21/2021 9:59 PM	12/22/2021 2:15 PM	16 Hours, 16 Minutes	American Electric Power - Texas	TRE	Texas: Cameron County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-System Operations	22	Unknown
2021	12	12/23/2021 2:02 PM	12/23/2021 2:55 PM	0 Hours, 53 Minutes	Eversource Energy (NSTAR)	NPCC	Massachusetts: Suffolk County[13];	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-System Operations	0	0
2021	12	12/24/2021 12:34 AM	12/24/2021 6:40 AM	6 Hours, 6 Minutes	Oncor Electric Delivery Company LLC	TRE	Texas: Rusk County;	Unexpected Transmission loss within its area, contrary to design, of three or more Bulk Electric System Facilities caused by a common disturbance (excluding successful automatic reclosing).-System Operations	Unknown	Unknown
2021	12	12/27/2021 9:01 PM	12/30/2021 9:11 AM	60 Hours, 10 Minutes	Pacific Gas & Electric Co	WECC	California: Humboldt County;	Electrical System Separation (Islanding) where part or parts of a power grid remain(s) operational in an otherwise blacked out area or within the partial failure of an integrated electrical system-System Operations	120	65994

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, EPCD 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, EPCD 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, EPCD 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

EPCD 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 2022

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	20.59	5.85	--	1.03
Connecticut	--	5.80	--	1.03
Maine	20.59	6.28	--	1.05
Massachusetts	--	5.80	--	1.03
New Hampshire	--	5.77	--	1.04
Rhode Island	--	--	--	1.03
Vermont	--	--	--	--
Middle Atlantic	20.56	6.21	--	1.03
New Jersey	25.80	5.79	--	1.04
New York	--	6.26	--	1.03
Pennsylvania	20.28	5.87	--	1.03
East North Central	20.25	5.79	27.55	1.05
Illinois	17.81	5.80	--	1.01
Indiana	22.47	5.75	--	1.06
Michigan	19.00	5.84	27.37	1.05
Ohio	24.93	5.80	--	1.06
Wisconsin	17.82	--	27.96	1.03
West North Central	16.41	5.78	--	1.06
Iowa	17.58	5.73	--	1.08
Kansas	17.18	5.79	--	1.03
Minnesota	17.70	5.88	--	1.07
Missouri	17.72	5.78	--	1.03
Nebraska	17.10	5.78	--	1.05
North Dakota	12.95	5.83	--	1.06
South Dakota	16.43	--	--	1.09
South Atlantic	23.71	5.85	28.61	1.03
Delaware	26.36	5.77	--	1.04
District of Columbia	--	--	--	--
Florida	23.51	5.77	28.61	1.02
Georgia	19.40	6.03	--	1.03
Maryland	24.68	5.77	--	1.04
North Carolina	25.62	5.80	--	1.03
South Carolina	24.90	5.88	--	1.03
Virginia	17.85	6.00	--	1.05
West Virginia	25.25	5.75	--	1.07
East South Central	20.01	5.79	27.29	1.02
Alabama	18.32	5.79	--	1.03
Kentucky	21.80	5.80	27.29	1.04
Mississippi	13.91	5.82	--	1.02
Tennessee	22.23	5.77	--	1.01
West South Central	16.35	5.90	28.33	1.02
Arkansas	17.74	5.89	--	1.03
Louisiana	17.44	5.50	28.33	1.03
Oklahoma	17.62	6.00	--	1.05
Texas	15.76	5.89	--	1.02
Mountain	18.63	5.78	--	1.04
Arizona	18.05	5.80	--	1.03
Colorado	17.99	5.86	--	1.08
Idaho	--	--	--	1.00
Montana	16.99	5.92	--	1.03
Nevada	20.57	5.83	--	1.05
New Mexico	18.97	5.66	--	1.02
Utah	21.65	5.78	--	1.05
Wyoming	17.58	5.78	--	1.05
Pacific Contiguous	18.52	6.00	--	1.04
California	22.70	--	--	1.03
Oregon	--	--	--	1.06
Washington	17.01	6.00	--	1.10
Pacific Noncontiguous	15.11	6.04	--	1.00
Alaska	15.11	5.60	--	1.00
Hawaii	--	6.04	--	--
U.S. Total	18.75	5.98	28.28	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, 2018 through 2020

	Mean Absolute Value of Percent Change Total (All Sectors)		
Item	**2018**	**2019**	**2020**
Net Generation			
Coal	0.42%	0.12%	0.12%
Petroleum Liquids	2.56%	1.89%	2.67%
Petroleum Coke	5.97%	5.53%	3.61%
Natural Gas	1.10%	1.24%	1.19%
Other Gases	10.59%	7.56%	6.01%
Hydroelectric	2.37%	6.37%	3.35%
Nuclear	0.00%	0.00%	0.01%
Other	1.67%	1.33%	1.12%
Total	**0.29%**	**0.45%**	**0.47%**
Consumption of Fossil Fuels for Electricity Generation			
Coal	0.17%	0.16%	0.23%
Petroleum Liquids	5.23%	2.23%	2.39%
Petroleum Coke	10.63%	5.48%	8.51%
Natural Gas	0.79%	1.14%	1.18%
Fuel Stocks for Electric Power Sector			
Coal	0.35%	0.35%	0.10%
Petroleum Liquids	1.07%	0.32%	1.88%
Petroleum Coke	2.29%	1.78%	2.13%
Retail Sales			
Residential	0.34%	0.36%	0.19%
Commercial	0.37%	0.46%	0.92%
Industrial	5.02%	5.27%	4.30%
Transportation	0.95%	0.81%	1.17%
Total	**1.53%**	**1.65%**	**1.49%**
Revenue			
Residential	0.21%	0.18%	0.13%
Commercial	0.49%	0.57%	0.38%
Industrial	4.76%	5.02%	4.43%
Transportation	1.63%	1.45%	0.90%
Total	**1.04%**	**1.12%**	**0.77%**
Average Retail Price			
Residential	0.16%	0.18%	0.30%
Commercial	0.16%	0.13%	0.55%
Industrial	0.38%	0.30%	0.19%
Transportation	0.80%	0.64%	0.47%
Total	**0.48%**	**0.52%**	**0.70%**
Receipt of Fossil Fuels			
Coal	0.33%	0.93%	1.01%
Petroleum Liquids	11.02%	2.66%	5.52%
Petroleum Coke	0.00%	0.00%	0.00%
Natural Gas	8.23%	8.25%	8.05%
Cost of Fossil Fuels			
Coal	0.24%	0.13%	0.26%
Petroleum Liquids	1.04%	0.29%	1.32%
Petroleum Coke	0.00%	0.00%	0.00%
Natural Gas	0.54%	0.20%	0.41%

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, 2018 through 2020

	2018			2019			2020		
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	1,146,393	1,149,487	0.27%	966,148	964,957	-0.12%	773,805	773,393	-0.05%
Petroleum Liquids	15,742	16,245	3.19%	11,576	11,522	-0.47%	9,877	9,662	-2.18%
Petroleum Coke	8,830	8,981	1.71%	6,991	6,819	-2.46%	7,618	7,679	0.80%
Natural Gas	1,468,013	1,469,133	0.08%	1,581,815	1,585,814	0.25%	1,616,748	1,624,167	0.46%
Other Gases	12,191	13,463	10.43%	13,634	12,591	-7.65%	11,182	11,818	5.69%
Hydroelectric	285,819	286,619	0.28%	268,447	282,613	5.28%	285,790	279,953	-2.04%
Nuclear	807,078	807,084	0.00%	809,409	809,409	0.00%	789,919	789,879	-0.01%
Other	433,744	427,265	-1.49%	460,030	454,130	-1.28%	514,146	510,585	-0.69%
Total	**4,177,810**	**4,178,277**	**0.01%**	**4,118,051**	**4,127,855**	**0.24%**	**4,009,085**	**4,007,135**	**-0.05%**
Consumption of Fossil Fuels for Electricity Generation									
Coal (1,000 tons)	635,833	636,213	0.06%	538,465	537,620	-0.16%	436,076	435,351	-0.17%
Petroleum Liquids (1,000 barrels)	27,245	28,614	5.02%	20,430	20,836	1.99%	18,191	18,008	-1.00%
Petroleum Coke (1,000 tons)	3,311	3,623	9.40%	2,806	2,724	-2.94%	2,866	3,077	7.35%
Natural Gas (1,000 Mcf)	10,855,155	10,833,043	-0.20%	11,550,825	11,601,600	0.44%	11,887,895	11,917,622	0.25%
Fuel Stocks for Electric Power Sector									
Coal (1,000 tons)	102,786	102,793	0.01%	128,497	128,176	-0.25%	132,723	133,327	0.46%
Petroleum Liquids (1,000 barrels)	25,082	25,977	3.57%	25,976	25,960	-0.06%	25,547	26,063	2.02%
Petroleum Coke (1,000 tons)	541	539	-0.27%	443	471	6.35%	298	298	-0.10%
Retail Sales (Million kWh)									
Residential	1,464,373	1,469,093	0.32%	1,435,147	1,440,289	0.36%	1,461,958	1,464,605	0.18%
Commercial	1,376,741	1,381,755	0.36%	1,354,545	1,360,877	0.47%	1,275,718	1,287,440	0.92%
Industrial	953,076	1,000,673	4.99%	952,149	1,002,353	5.27%	919,533	959,082	4.30%
Transportation	7,738	7,665	-0.94%	7,697	7,632	-0.84%	6,532	6,548	0.24%
Total	**3,801,928**	**3,859,185**	**1.51%**	**3,749,538**	**3,811,150**	**1.64%**	**3,663,741**	**3,717,674**	**1.47%**
Revenue (Million Dollars)									
Residential	188,742	189,033	0.15%	187,102	187,436	0.18%	192,934	192,663	-0.14%
Commercial	146,696	147,425	0.50%	144,452	145,280	0.57%	135,860	136,372	0.38%
Industrial	66,090	69,218	4.73%	65,033	68,285	5.00%	61,246	63,956	4.42%
Transportation	756	744	-1.65%	749	737	-1.54%	646	648	0.30%
Total	**402,283**	**406,420**	**1.03%**	**397,337**	**401,738**	**1.11%**	**390,686**	**393,639**	**0.76%**
Average Retail Price (Cents/kWh)									
Residential	12.89	12.87	-0.17%	13.04	13.01	-0.18%	13.20	13.15	-0.32%
Commercial	10.66	10.67	0.13%	10.66	10.68	0.10%	10.65	10.59	-0.54%
Industrial	6.93	6.92	-0.25%	6.83	6.81	-0.26%	6.66	6.67	0.12%
Transportation	9.77	9.70	-0.71%	9.73	9.66	-0.70%	9.90	9.90	0.06%
Total	**10.58**	**10.53**	**-0.47%**	**10.60**	**10.54**	**-0.53%**	**10.66**	**10.59**	**-0.71%**
Receipt of Fossil Fuels									
Coal (1,000 tons)	594,683	596,215	0.26%	555,022	560,153	0.92%	435,213	439,636	1.02%
Petroleum Liquids (1,000 barrels)	19,717	22,290	13.05%	14,319	14,711	2.74%	12,178	12,864	5.63%
Petroleum Coke (1,000 tons)	3,010	3,010	0.00%	1,969	1,969	0.00%	2,396	2,396	0.00%
Natural Gas (1,000 Mcf)	10,039,232	10,885,764	8.43%	10,786,472	11,693,486	8.41%	11,067,675	11,971,059	8.16%
Cost of Fossil Fuels (Dollars per Million Btu)									
Coal (1,000 tons)	2.06	2.06	-0.22%	2.02	2.02	-0.21%	1.92	1.92	-0.24%
Petroleum Liquids (1,000 barrels)	14.24	14.40	1.16%	13.58	13.62	0.29%	9.63	9.76	1.29%
Petroleum Coke (1,000 tons)	2.54	2.54	0.00%	1.91	1.91	0.00%	1.70	1.70	0.00%
Natural Gas (1,000 Mcf)	3.55	3.55	0.03%	2.89	2.88	-0.17%	2.39	2.40	0.23%

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 2020 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.