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Electric Power Monthly

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U.S. electric stocks of fuels	Christopher Cassar
U.S. electric fossil-fuel receipts	Alexander Gorski
U.S. electric fossil-fuel costs	Alexander Gorski
U.S. sales of electricity to ultimate consumers	Alexander Gorski
U.S. electric capacity	Suparna Ray
Sampling and estimation methodologies	Orhan Yildiz.

Requests for additional information on other statistics available from the U.S. Energy Information Administration or questions concerning subscriptions and report distribution may be directed to the Office of Communications of the U.S. Energy Information Administration at infoctr@eia.gov.

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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Table ES1.A. Total Electric Power Industry Summary Statistics, 2024 and 2023

Net Generation and Consumption of Fuels for March														
		Total (All Sectors)			Electric Power Sector				Commercial		Industrial		Residential	
					Electric Utilities		Independent Power Producers							
Fuel	Facility Type	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
Net Generation (Thousand Megawatthours)														
Coal	Utility Scale Facilities	38,360	50,057	-23.4%	31,015	37,662	6,934	12,026	18	16	393	353	0	0
Petroleum Liquids	Utility Scale Facilities	816	976	-16.5%	611	698	161	221	6	7	37	50	0	0
Petroleum Coke	Utility Scale Facilities	150	323	-53.4%	40	166	94	121	0	0	17	35	0	0
Natural Gas	Utility Scale Facilities	130,423	132,207	-1.3%	64,927	64,884	56,850	58,486	725	651	7,920	8,187	0	0
Other Gas	Utility Scale Facilities	723	961	-24.8%	0	0	200	261	0	0	523	700	0	0
Nuclear	Utility Scale Facilities	63,346	62,820	0.8%	35,957	36,091	27,389	26,730	0	0	0	0	0	0
Hydroelectric Conventional	Utility Scale Facilities	22,945	20,197	13.6%	20,529	18,020	2,306	2,073	NM	NM	88	85	0	0
Renewable Sources Excluding Hydroelectric	Utility Scale Facilities	66,526	62,075	7.2%	11,013	9,956	53,190	49,794	374	365	1,949	1,959	0	0
... Wind	Utility Scale Facilities	45,879	44,580	2.9%	8,529	7,759	37,323	36,789	14	19	14	13	0	0
... Solar Thermal and Photovoltaic	Utility Scale Facilities	15,668	12,144	29.0%	2,277	1,888	13,285	10,175	69	56	37	26	0	0
... Wood and Wood-Derived Fuels	Utility Scale Facilities	2,500	2,623	-4.7%	74	162	606	604	4	7	1,817	1,849	0	0
... Other Biomass	Utility Scale Facilities	1,239	1,348	-8.1%	75	86	795	907	287	283	81	72	0	0
... Geothermal	Utility Scale Facilities	1,240	1,380	-10.2%	58	61	1,182	1,320	0	0	0	0	0	0
Hydroelectric Pumped Storage	Utility Scale Facilities	-342	-511	-33.1%	-213	-389	-128	-122	0	0	0	0	0	0
Other Energy Sources	Utility Scale Facilities	693	814	-14.9%	6	17	199	278	244	241	244	277	0	0
All Energy Sources	Utility Scale Facilities	323,639	329,920	-1.9%	163,884	167,105	147,194	149,867	1,390	1,300	11,171	11,647	0	0
Estimated Small Scale Solar Photovoltaic	Small Scale Facilities	7,131	6,003	18.8%	0	0	0	0	1,847	1,658	407	374	4,877	3,972
Estimated Total Solar Photovoltaic	All Facilities	22,577	17,994	25.5%	2,277	1,888	13,063	10,021	1,916	1,713	445	399	4,877	3,972
Estimated Total Solar	All Facilities	22,799	18,148	25.6%	2,277	1,888	13,285	10,175	1,916	1,713	445	399	4,877	3,972
Consumption of Fossil Fuels for Electricity Generation														
Coal (1000 tons)	Utility Scale Facilities	22,241	28,612	-22.3%	17,467	21,189	4,635	7,301	6	5	133	117	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	1,459	1,713	-14.8%	1,142	1,280	259	365	17	16	40	52	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	59	115	-49.0%	22	73	30	NM	0	0	7	12	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	937,983	955,703	-1.9%	488,672	489,302	396,135	412,237	4,398	4,094	48,778	50,070	0	0
Consumption of Fossil Fuels for Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	898	850	5.6%	126	139	53	63	31	31	687	617	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	303	350	-13.4%	4	5	21	26	65	27	213	292	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	40	58	-31.0%	0	2	8	NM	0	0	32	46	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	103,471	106,424	-2.8%	4,381	3,934	26,236	26,486	6,539	6,508	66,315	69,496	0	0
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	23,139	29,462	-21.5%	17,593	21,328	4,688	7,364	37	37	820	734	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	1,762	2,063	-14.6%	1,146	1,286	281	390	81	43	253	344	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	99	173	-43.0%	22	75	38	NM	0	0	39	59	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	1,041,453	1,062,127	-1.9%	493,052	493,236	422,371	438,723	10,937	10,602	115,093	119,566	0	0
Fuel Stocks (end-of-month)														
Coal (1000 tons)	Utility Scale Facilities	134,122	109,488	22.5%	110,604	89,846	23,004	19,158	51	50	464	435	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	23,689	25,318	-6.4%	13,696	14,802	8,623	8,791	296	330	1,074	1,395	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	564	649	-13.2%	328	505	5	8	1	1	229	135	0	0

Sales, Revenue, and Average Price of Electricity to Ultimate Customers for March									
	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	March 2024	March 2023	Percentage Change	March 2024	March 2023	Percentage Change	March 2024	March 2023	Percentage Change
Residential	103,974	110,792	-6.2%	17,347	17,627	-1.6%	16.68	15.91	4.8%
Commercial	108,266	110,071	-1.6%	13,810	13,734	0.5%	12.76	12.48	2.2%
Industrial	82,428	84,426	-2.4%	6,373	6,576	-3.1%	7.73	7.79	-0.8%
Transportation	611	567	7.7%	73	69	5.3%	11.91	12.18	-2.2%
All Sectors	295,280	305,856	-3.5%	37,602	38,006	-1.1%	12.73	12.43	2.4%

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, hydrogen 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 2024 and 2023

Net Generation and Consumption of Fuels for January through March															
		Total (All Sectors)			Electric Power Sector				Commercial		Industrial		Residential	
					Electric Utilities		Independent Power Producers							
Fuel	Facility Type	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
Net Generation (Thousand Megawatthours)														
Coal	Utility Scale Facilities	158,077	157,819	0.2%	124,334	120,271	32,543	36,386	68	58	1,132	1,104	0	0
Petroleum Liquids	Utility Scale Facilities	3,083	3,100	-0.6%	2,242	2,154	678	777	22	23	142	147	0	0
Petroleum Coke	Utility Scale Facilities	667	1,064	-37.3%	330	689	282	286	1	1	53	87	0	0
Natural Gas	Utility Scale Facilities	421,863	393,861	7.1%	207,574	192,424	187,042	175,217	2,168	1,934	25,079	24,285	0	0
Other Gas	Utility Scale Facilities	2,532	2,863	-11.6%	0	0	705	785	0	0	1,827	2,078	0	0
Nuclear	Utility Scale Facilities	197,009	194,497	1.3%	111,648	110,879	85,361	83,619	0	0	0	0	0	0
Hydroelectric Conventional	Utility Scale Facilities	63,779	61,165	4.3%	56,873	54,761	6,581	6,089	64	62	261	253	0	0
Renewable Sources Excluding Hydroelectric	Utility Scale Facilities	175,644	171,913	2.2%	28,270	27,851	140,474	137,058	1,124	1,074	5,776	5,931	0	0
... Wind	Utility Scale Facilities	122,480	125,976	-2.8%	21,875	22,174	100,534	103,711	35	53	36	37	0	0
... Solar Thermal and Photovoltaic	Utility Scale Facilities	37,708	29,378	28.4%	5,477	4,520	31,972	24,666	172	130	86	62	0	0
... Wood and Wood-Derived Fuels	Utility Scale Facilities	7,789	8,278	-5.9%	515	669	1,816	1,964	26	25	5,433	5,620	0	0
... Other Biomass	Utility Scale Facilities	3,790	4,043	-6.3%	229	255	2,449	2,710	891	866	221	212	0	0
... Geothermal	Utility Scale Facilities	3,877	4,240	-8.6%	174	233	3,703	4,007	0	0	0	0	0	0
Hydroelectric Pumped Storage	Utility Scale Facilities	-1,149	-1,570	-26.8%	-774	-1,247	-375	-323	0	0	0	0	0	0
Other Energy Sources	Utility Scale Facilities	2,213	2,496	-11.3%	38	55	648	845	769	744	758	853	0	0
All Energy Sources	Utility Scale Facilities	1,023,719	987,209	3.7%	530,536	507,836	453,939	440,738	4,217	3,897	35,028	34,738	0	0
Estimated Small Scale Solar Photovoltaic	Small Scale Facilities	17,330	14,396	20.4%	0	0	0	0	4,449	3,993	974	881	11,907	9,521
Estimated Total Solar Photovoltaic	All Facilities	54,618	43,427	25.8%	5,477	4,520	31,552	24,320	4,621	4,123	1,061	943	11,907	9,521
Estimated Total Solar	All Facilities	55,038	43,773	25.7%	5,477	4,520	31,972	24,666	4,621	4,123	1,061	943	11,907	9,521
Consumption of Fossil Fuels for Electricity Generation														
Coal (1000 tons)	Utility Scale Facilities	90,527	90,968	-0.5%	70,012	68,559	20,107	22,020	22	19	387	370	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	5,664	5,504	2.9%	4,278	3,978	1,180	1,318	54	54	152	155	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	297	414	-28.3%	186	296	90	87	0	0	20	30	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	3,032,443	2,840,068	6.8%	1,553,395	1,446,910	1,312,832	1,232,536	13,129	12,010	153,087	148,612	0	0
Consumption of Fossil Fuels for Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	2,635	2,614	0.8%	411	419	144	177	111	104	1,969	1,914	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	1,085	1,026	5.8%	28	20	66	89	194	109	797	807	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	134	149	-10.2%	0	4	24	40	2	2	108	103	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	322,322	313,830	2.7%	13,096	12,273	81,495	77,699	20,127	19,292	207,605	204,566	0	0
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	93,163	93,582	-0.4%	70,422	68,978	20,251	22,197	133	123	2,356	2,284	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	6,750	6,530	3.4%	4,306	3,998	1,246	1,408	248	163	949	962	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	430	563	-23.5%	186	300	114	127	2	2	129	133	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	3,354,765	3,153,898	6.4%	1,566,490	1,459,183	1,394,327	1,310,235	33,255	31,303	360,692	353,178	0	0

Sales, Revenue, and Average Price of Electricity to Ultimate Customers for January through March									
	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	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	Percentage Change
Residential	364,529	355,394	2.6%	58,368	56,044	4.1%	16.01	15.77	1.5%
Commercial	329,503	321,998	2.3%	42,008	40,700	3.2%	12.75	12.64	0.9%
Industrial	243,067	239,445	1.5%	19,156	19,305	-0.8%	7.88	8.06	-2.2%
Transportation	1,734	1,686	2.9%	218	211	3.4%	12.56	12.51	0.4%
All Sectors	938,833	918,522	2.2%	119,750	116,260	3.0%	12.76	12.66	0.8%

YTD = Year to Date
NM = Not meaningful due to large relative standard error.
W = Withheld to avoid disclosure of individual company data.
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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, hydrogen 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, 2024 and 2023

Total (All Sectors)

							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
Coal (1000 tons)	28,041	37,677	47.91	47.30	169	194	90,524	109,501	46.97	48.57
Petroleum Liquids (1000 barrels)	982	1,200	122.15	124.66	86	102	3,693	5,068	117.62	126.93
Petroleum Coke (1000 tons)	38	172	73.51	132.76	1	5	121	484	73.22	131.49
Natural Gas (1000 Mcf)	877,652	890,394	2.26	3.46	565	570	2,828,515	2,668,463	3.49	5.14

Electric Utilities

							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
Coal (1000 tons)	21,785	28,703	50.56	48.35	126	141	69,582	83,080	49.32	49.90
Petroleum Liquids (1000 barrels)	761	907	121.19	125.12	60	73	2,831	3,577	117.42	130.40
Petroleum Coke (1000 tons)	38	172	73.51	132.76	1	5	121	484	73.22	131.49
Natural Gas (1000 Mcf)	432,933	429,205	2.57	3.88	293	296	1,367,065	1,281,442	3.78	6.06

Independent Power Producers

							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
Coal (1000 tons)	5,729	8,449	36.10	42.11	32	41	19,376	24,823	37.32	42.65
Petroleum Liquids (1000 barrels)	197	220	129.23	131.15	19	20	754	1,307	120.41	120.32
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	0.00	0.00
Natural Gas (1000 Mcf)	381,126	395,267	1.91	3.04	226	228	1,264,323	1,191,772	3.24	4.23

Commercial Sector

							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
Coal (1000 tons)	0	0	--	--	0	0	6	2	96.74	96.90
Petroleum Liquids (1000 barrels)	0	0	--	--	0	0	0	0	0.00	0.00
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	0.00	0.00
Natural Gas (1000 Mcf)	552	655	3.29	3.17	3	3	1,880	2,021	3.39	3.17

Industrial Sector

							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
Coal (1000 tons)	527	525	66.06	73.24	11	12	1,560	1,596	61.50	70.72
Petroleum Liquids (1000 barrels)	24	73	95.28	99.40	7	9	107	183	103.58	103.48
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	0.00	0.00
Natural Gas (1000 Mcf)	63,040	65,267	1.87	2.82	43	43	195,247	193,228	2.79	3.80

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, 2024 and 2023

Total (All Sectors)

							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
Coal	535,574	710,779	2.51	2.51	169	194	1,703,463	2,072,260	2.50	2.57
Petroleum Liquids	6,020	7,305	19.92	20.48	86	102	22,437	30,668	19.36	20.96
Petroleum Coke	1,054	4,905	2.63	4.66	1	5	3,348	13,663	2.64	4.66
Natural Gas	906,805	918,899	2.18	3.35	565	570	2,925,804	2,757,174	3.37	4.98
Fossil Fuels	1,449,453	1,641,887	2.38	3.05	675	689	4,655,051	4,873,765	3.12	4.01

Electric Utilities

							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
Coal	425,036	546,979	2.59	2.54	126	141	1,334,885	1,582,612	2.57	2.62
Petroleum Liquids	4,667	5,500	19.75	20.63	60	73	17,223	21,564	19.30	21.63
Petroleum Coke	1,054	4,905	2.63	4.66	1	5	3,348	13,663	2.64	4.66
Natural Gas	446,527	442,406	2.49	3.76	293	296	1,412,290	1,322,653	3.66	5.87
Fossil Fuels	877,284	999,789	2.63	3.19	373	383	2,767,746	2,940,492	3.23	4.23

Independent Power Producers

							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
Coal	99,577	153,230	2.07	2.32	32	41	336,733	457,059	2.14	2.31
Petroleum Liquids	1,205	1,365	21.08	21.17	19	20	4,558	7,996	19.92	19.61
Petroleum Coke	0	0	--	--	0	0	0	0	0.00	0.00
Natural Gas	394,896	408,837	1.84	2.94	226	228	1,310,574	1,233,844	3.12	4.08
Fossil Fuels	495,678	563,433	1.95	2.80	254	258	1,651,865	1,698,899	2.94	3.61

Commercial Sector

							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
Coal	0	0	--	--	0	0	128	43	4.28	4.28
Petroleum Liquids	0	0	--	--	0	0	0	0	0.00	0.00
Petroleum Coke	0	0	--	--	0	0	0	0	0.00	0.00
Natural Gas	572	680	3.18	3.05	3	3	1,952	2,093	3.26	3.06
Fossil Fuels	572	680	3.18	3.05	3	3	2,080	2,136	3.32	3.08

Industrial Sector

							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
Coal	10,962	10,570	3.18	3.64	11	12	31,717	32,546	3.03	3.47
Petroleum Liquids	148	440	15.74	16.48	7	9	655	1,108	16.98	17.09
Petroleum Coke	0	0	--	--	0	0	0	0	0.00	0.00
Natural Gas	64,810	66,976	1.82	2.75	43	43	200,988	198,583	2.71	3.69
Fossil Fuels	75,920	77,985	2.05	2.94	45	45	233,360	232,237	2.80	3.73

NM = Not meaningful due to large relative standard error.
W = Withheld to avoid disclosure of individual company data.
Number of Plants represents the number of plants for which receipts data were collected this month.
.... 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), 2014-March 2024
(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															
2014	1,581,710	18,276	11,955	1,126,635	12,022	797,166	259,367	17,691	261,522	-6,174	13,393	4,093,564	11,233	26,482	28,924
2015	1,352,398	17,372	10,877	1,334,668	13,117	797,178	249,080	24,893	270,268	-5,091	13,955	4,078,714	14,139	35,805	39,032
2016	1,239,149	13,008	11,197	1,379,271	12,807	805,694	267,812	36,054	305,579	-6,686	13,689	4,077,574	18,812	51,483	54,866
2017	1,205,835	12,414	8,976	1,297,703	12,469	804,950	300,333	53,287	332,963	-6,495	13,008	4,035,443	23,990	74,008	77,277
2018	1,149,487	16,245	8,981	1,471,843	13,463	807,084	292,524	63,825	350,467	-5,905	12,973	4,180,988	29,539	89,773	93,365
2019	964,957	11,522	6,819	1,588,533	12,591	809,409	287,874	71,937	368,862	-5,261	13,331	4,130,574	34,957	103,676	106,894
2020	773,393	9,662	7,679	1,626,790	11,818	789,879	285,274	89,199	408,539	-5,321	12,855	4,009,767	41,522	127,588	130,721
2021	897,999	11,663	7,511	1,579,190	11,397	779,645	251,585	115,258	448,424	-5,112	12,140	4,109,699	49,164	161,499	164,422
2022	831,512	15,805	7,126	1,687,067	11,722	771,537	254,789	143,797	502,231	-6,028	11,114	4,230,672	61,282	202,080	205,079
2023	675,264	11,594	4,878	1,802,062	11,451	775,347	239,855	164,502	489,161	-5,897	9,955	4,178,171	73,619	235,270	238,120
Year 2022															
January	87,588	3,105	564	134,948	1,005	70,577	24,198	7,822	43,424	-493	1,029	373,766	3,376	11,066	11,198
February	70,966	1,114	621	114,945	886	61,852	21,321	9,027	43,090	-412	900	324,311	3,717	12,585	12,744
March	61,019	959	500	112,477	953	63,154	24,436	11,695	48,677	-318	979	324,531	5,121	16,560	16,816
April	55,329	749	528	105,506	921	55,290	20,066	13,402	51,528	-265	941	303,994	5,671	18,752	19,073
May	62,532	834	596	127,094	1,036	63,382	23,359	15,121	47,727	-467	971	342,184	6,236	20,986	21,357
June	73,463	897	683	155,517	987	65,715	25,988	16,053	39,461	-589	959	379,134	6,229	21,910	22,282
July	86,415	1,045	488	189,042	1,083	68,857	24,567	15,766	35,499	-768	982	422,976	6,438	21,916	22,204
August	85,215	1,001	576	188,860	1,008	68,897	21,133	14,503	30,657	-640	924	412,134	6,194	20,418	20,697
Sept	64,998	942	648	156,948	987	63,733	17,026	13,287	32,840	-598	845	351,655	5,544	18,546	18,831
October	54,228	952	610	133,492	968	58,945	14,367	11,942	38,036	-434	844	313,949	5,022	16,675	16,964
November	56,377	911	568	127,523	911	62,041	17,898	8,403	46,779	-495	864	321,781	4,035	12,289	12,438
December	73,381	3,296	744	140,716	978	69,094	20,430	6,777	44,514	-548	876	360,257	3,698	10,377	10,475
Year 2023															
January	61,275	995	406	137,725	990	70,870	22,287	7,982	45,231	-612	882	348,031	3,992	11,890	11,974
February	46,488	1,129	335	123,928	912	60,807	18,680	9,251	47,374	-448	801	309,258	4,401	13,543	13,652
March	50,057	976	323	132,207	961	62,820	20,197	12,144	49,930	-511	814	329,920	6,003	17,994	18,148
April	40,141	893	301	120,294	717	56,662	17,479	14,755	47,926	-281	739	299,628	6,768	21,228	21,523
May	43,835	903	286	137,728	901	61,473	27,445	16,927	37,589	-450	857	327,493	7,560	24,187	24,487
June	57,700	906	383	161,827	894	64,965	19,467	17,631	32,785	-542	848	356,863	7,429	24,695	25,060
July	79,121	967	702	200,554	995	69,888	21,199	18,880	33,375	-648	870	425,902	7,747	26,246	26,626
August	78,187	990	701	199,995	1,151	69,744	21,120	17,816	34,127	-644	855	424,042	7,556	25,062	25,372
Sept	60,001	919	635	165,406	951	65,560	16,469	15,563	33,312	-544	775	359,047	6,623	21,892	22,185
October	50,956	973	312	140,963	913	61,403	18,076	14,082	41,368	-371	823	329,497	6,094	19,888	20,175
November	51,231	960	206	135,260	999	62,258	18,100	10,271	42,329	-339	830	322,103	4,958	15,062	15,229
December	56,271	983	289	146,174	1,067	68,898	19,336	9,200	43,814	-506	862	346,387	4,489	13,582	13,689
Year 2024															
January	75,662	1,493	317	160,450	1,029	69,080	21,237	9,651	40,487	-411	805	379,799	4,782	14,355	14,434
February	44,055	775	199	130,990	780	64,584	19,597	12,389	46,591	-396	716	320,280	5,417	17,686	17,806
March	38,360	816	150	130,423	723	63,346	22,945	15,668	50,858	-342	693	323,639	7,131	22,577	22,799
Year to Date															
2022	219,573	5,179	1,685	362,370	2,844	195,583	69,955	28,544	135,191	-1,223	2,908	1,022,608	12,214	40,211	40,758
2023	157,819	3,100	1,064	393,861	2,863	194,497	61,165	29,378	142,536	-1,570	2,496	987,209	14,396	43,427	43,773
2024	158,077	3,083	667	421,863	2,532	197,009	63,779	37,708	137,936	-1,149	2,213	1,023,719	17,330	54,618	55,038
Rolling 12 Months Ending in March															
2023	769,757	13,727	6,505	1,718,558	11,742	770,452	245,999	144,631	509,576	-6,375	10,702	4,195,273	63,464	205,295	208,095
2024	675,521	11,576	4,481	1,830,065	11,120	777,859	242,469	172,832	484,561	-5,475	9,672	4,214,681	76,553	246,462	249,385

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, hydrogen 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, 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 2022 and prior years are final. Values for 2023 and 2024 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), 2014-March 2024
(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													
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	36,219	10,212	6,080	2,201	15,890	285,274	783,012	41,522	127,588	130,721
2021	378,197	112,335	2,924	36,463	9,421	6,101	2,267	15,975	251,585	815,267	49,164	161,499	164,422
2022	434,297	140,798	2,999	35,464	8,535	5,776	2,073	16,087	254,789	900,817	61,282	202,080	205,079
2023	425,235	161,651	2,850	31,439	8,285	5,587	2,153	16,462	239,855	893,517	73,619	235,270	238,120
Year 2022													
January	37,416	7,689	133	3,106	748	492	192	1,470	24,198	75,444	3,376	11,066	11,198
February	37,645	8,869	159	2,897	701	432	173	1,243	21,321	73,438	3,717	12,585	12,744
March	43,031	11,439	255	2,934	773	465	188	1,286	24,436	84,808	5,121	16,560	16,816
April	46,167	13,081	321	2,736	699	482	161	1,282	20,066	84,995	5,671	18,752	19,073
May	42,124	14,750	371	2,905	722	492	157	1,327	23,359	86,206	6,236	20,986	21,357
June	33,768	15,681	372	3,045	710	498	166	1,276	25,988	81,502	6,229	21,910	22,282
July	29,475	15,478	288	3,276	723	510	173	1,341	24,567	75,832	6,438	21,916	22,204
August	24,718	14,224	279	3,206	707	498	174	1,354	21,133	66,293	6,194	20,418	20,697
Sept	27,331	13,002	285	2,864	686	470	159	1,329	17,026	63,152	5,544	18,546	18,831
October	32,745	11,653	289	2,624	714	473	182	1,298	14,367	64,345	5,022	16,675	16,964
November	41,199	8,254	149	2,865	678	473	167	1,397	17,898	73,080	4,035	12,289	12,438
December	38,680	6,679	99	3,005	674	493	181	1,482	20,430	71,721	3,698	10,377	10,475
Year 2023													
January	39,212	7,898	84	3,042	746	485	189	1,558	22,287	75,500	3,992	11,890	11,974
February	42,184	9,142	109	2,613	662	421	192	1,302	18,680	75,305	4,401	13,543	13,652
March	44,580	11,991	154	2,623	720	447	181	1,380	20,197	82,272	6,003	17,994	18,148
April	43,072	14,460	295	2,295	633	410	169	1,347	17,479	80,160	6,768	21,228	21,523
May	32,066	16,627	300	2,783	709	476	183	1,371	27,445	81,960	7,560	24,187	24,487
June	27,545	17,266	365	2,646	676	484	161	1,273	19,467	69,883	7,429	24,695	25,060
July	27,903	18,500	380	2,807	699	498	164	1,303	21,199	73,453	7,747	26,246	26,626
August	28,546	17,507	310	2,890	705	483	164	1,341	21,120	73,063	7,556	25,062	25,372
Sept	28,230	15,269	293	2,476	660	441	154	1,351	16,469	65,344	6,623	21,892	22,185
October	36,484	13,795	287	2,126	683	464	197	1,414	18,076	73,526	6,094	19,888	20,175
November	37,042	10,104	166	2,555	661	475	187	1,410	18,100	70,700	4,958	15,062	15,229
December	38,371	9,093	107	2,584	732	504	211	1,413	19,336	72,350	4,489	13,582	13,689
Year 2024													
January	34,976	9,572	79	2,821	672	468	182	1,368	21,237	71,375	4,782	14,355	14,434
February	41,626	12,269	119	2,468	635	422	172	1,269	19,597	78,577	5,417	17,686	17,806
March	45,879	15,446	221	2,500	630	422	187	1,240	22,945	89,471	7,131	22,577	22,799
Year to Date													
2022	118,091	27,997	547	8,937	2,222	1,389	553	3,999	69,955	233,689	12,214	40,211	40,758
2023	125,976	29,031	347	8,278	2,128	1,353	562	4,240	61,165	233,078	14,396	43,427	43,773
2024	122,480	37,288	420	7,789	1,937	1,312	541	3,877	63,779	239,423	17,330	54,618	55,038
Rolling 12 Months Ending in March													
2023	442,181	141,832	2,799	34,805	8,440	5,740	2,082	16,328	245,999	900,205	63,464	205,295	208,095
2024	421,740	169,908	2,924	30,951	8,094	5,547	2,131	16,099	242,469	899,862	76,553	246,462	249,385

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 2022 and prior years are final. Values for 2023 and 2024 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, 2014-March 2024
(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												
2014	1,173,073	10,696	9,147	501,440	112	419,871	238,185	1,218	33,278	-5,144	622	2,382,500
2015	998,385	10,386	8,278	619,003	199	416,680	229,640	1,494	35,992	-4,105	558	2,316,508
2016	922,399	9,069	8,881	655,744	154	424,400	247,787	1,995	40,666	-5,629	421	2,305,887
2017	893,639	8,567	6,711	625,094	149	424,485	275,677	3,348	42,763	-5,448	553	2,275,539
2018	863,505	10,108	6,817	722,916	151	424,251	267,336	4,916	44,184	-4,785	561	2,339,960
2019	722,885	8,313	5,112	787,745	154	430,672	262,364	6,785	48,403	-4,261	551	2,268,723
2020	582,374	7,182	5,663	815,414	45	428,953	264,650	9,945	59,797	-4,326	618	2,170,316
2021	674,804	8,791	5,728	777,057	12	430,683	228,689	13,911	75,338	-3,876	508	2,211,643
2022	621,853	9,356	5,383	832,421	0	427,933	232,953	17,697	86,233	-4,752	534	2,229,611
2023	518,486	8,424	3,146	890,860	0	441,855	217,052	21,893	78,985	-4,546	277	2,176,432
Year 2022												
January	63,823	1,254	388	66,875	0	39,295	22,395	1,066	8,258	-420	58	202,990
February	50,911	629	453	55,560	0	34,300	19,408	1,188	7,998	-301	51	170,198
March	43,015	691	324	54,831	0	34,385	21,943	1,533	8,561	-214	55	165,124
April	40,123	548	361	51,428	0	30,252	17,583	1,714	8,652	-164	43	150,540
May	47,965	639	503	62,462	0	35,037	21,195	1,850	7,488	-375	53	176,816
June	56,910	652	545	79,183	0	36,908	24,296	1,837	6,114	-460	40	206,025
July	66,631	678	388	95,306	0	38,888	23,132	1,812	5,104	-623	40	231,356
August	64,386	661	421	93,582	0	38,921	19,778	1,718	4,893	-495	36	223,901
Sept	49,704	680	480	75,975	0	35,914	15,593	1,490	5,846	-493	33	185,223
October	41,060	676	440	64,375	0	32,085	12,963	1,460	6,736	-370	46	159,472
November	41,209	673	446	63,004	0	33,612	16,315	1,046	8,593	-398	40	164,538
December	56,116	1,575	636	69,839	0	38,335	18,352	982	7,992	-437	39	193,428
Year 2023												
January	47,811	758	265	67,699	0	40,507	19,890	1,191	7,060	-498	22	184,704
February	34,798	698	257	59,842	0	34,281	16,851	1,441	8,202	-359	16	156,027
March	37,662	698	166	64,884	0	36,091	18,020	1,888	8,068	-389	17	167,105
April	29,039	648	176	59,884	0	33,574	15,689	1,946	8,514	-191	15	149,295
May	32,552	659	166	70,535	0	34,877	25,405	2,287	6,224	-336	21	172,390
June	46,214	693	257	81,374	0	37,151	18,123	2,245	4,595	-420	31	190,264
July	62,906	683	484	100,499	0	39,977	19,302	2,296	4,450	-519	29	230,107
August	61,741	751	491	101,984	0	40,065	19,166	2,281	5,182	-499	34	231,196
Sept	46,722	667	441	81,260	0	37,575	14,755	1,948	5,204	-415	26	188,183
October	38,858	716	176	69,048	0	34,541	16,075	1,849	6,847	-294	19	167,834
November	37,367	710	100	63,102	0	34,719	16,448	1,376	7,491	-245	21	161,091
December	42,816	743	167	70,749	0	38,497	17,327	1,144	7,148	-380	25	178,236
Year 2024												
January	58,497	1,035	200	78,218	0	39,090	18,851	1,262	6,562	-292	20	203,444
February	34,822	595	91	64,428	0	36,601	17,493	1,939	7,494	-268	12	163,207
March	31,015	611	40	64,927	0	35,957	20,529	2,277	8,736	-213	6	163,884
Year to Date												
2022	157,749	2,574	1,164	177,266	0	107,981	63,746	3,788	24,817	-935	163	538,313
2023	120,271	2,154	689	192,424	0	110,879	54,761	4,520	23,330	-1,247	55	507,836
2024	124,334	2,242	330	207,574	0	111,648	56,873	5,477	22,793	-774	38	530,536
Rolling 12 Months Ending in March												
2023	584,375	8,936	4,907	847,579	0	430,831	223,968	18,430	84,746	-5,063	426	2,199,134
2024	522,550	8,511	2,788	906,010	0	442,624	219,164	22,850	78,447	-4,073	260	2,199,132

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, hydrogen 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, 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 2022 and prior years are final. Values for 2023 and 2024 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.
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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, 2014-March 2024
(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												
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	217,636	2,378	1,413	699,547	3,292	348,961	21,702	100,612	344,784	-1,235	6,449	1,745,538
2022	204,243	5,734	1,354	750,266	3,451	343,604	20,673	125,155	387,590	-1,276	3,487	1,844,282
2023	152,214	2,597	1,429	804,399	3,234	333,492	21,660	141,592	383,558	-1,351	3,082	1,845,906
Year 2022												
January	23,291	1,778	144	58,734	292	31,282	1,702	6,707	32,672	-73	337	156,865
February	19,627	438	131	51,382	251	27,552	1,808	7,781	32,824	-111	276	141,960
March	17,526	222	145	49,110	270	28,768	2,358	10,085	37,718	-103	307	146,406
April	14,792	154	137	46,169	291	25,037	2,360	11,598	40,541	-101	296	141,274
May	14,096	149	58	56,228	365	28,345	2,054	13,172	37,838	-92	289	152,501
June	16,076	192	108	67,698	281	28,807	1,601	14,109	30,941	-129	309	159,993
July	19,305	311	71	84,262	342	29,969	1,357	13,851	27,884	-146	312	177,519
August	20,347	295	124	85,697	277	29,976	1,272	12,685	23,314	-145	298	174,141
Sept	14,860	210	140	72,435	306	27,819	1,354	11,709	24,739	-105	275	153,744
October	12,745	228	136	60,642	276	26,860	1,338	10,406	29,126	-64	255	141,947
November	14,768	190	84	55,774	236	28,430	1,504	7,299	35,838	-97	252	144,278
December	16,810	1,566	76	62,134	264	30,759	1,966	5,753	34,153	-111	284	153,653
Year 2023												
January	13,044	175	NM	61,059	285	30,363	2,283	6,739	35,748	-113	297	149,992
February	11,317	380	NM	55,673	239	26,526	1,733	7,752	37,025	-89	270	140,879
March	12,026	221	121	58,486	261	26,730	2,073	10,175	39,619	-122	278	149,867
April	10,741	199	104	52,925	171	23,088	1,702	12,720	37,340	-91	234	139,133
May	10,911	202	100	58,959	282	26,596	1,928	14,535	29,038	-114	288	142,726
June	11,103	165	103	71,414	242	27,814	1,260	15,283	26,013	-123	273	153,549
July	15,809	237	183	90,570	292	29,910	1,804	16,473	26,722	-129	257	182,127
August	16,060	193	179	88,375	344	29,679	1,858	15,430	26,672	-145	247	178,891
Sept	12,903	211	166	74,933	277	27,985	1,633	13,525	26,055	-129	214	157,773
October	11,729	214	118	63,130	246	26,862	1,911	12,154	32,457	-77	224	148,968
November	13,504	206	90	63,154	277	27,538	1,563	8,816	32,545	-94	243	147,844
December	13,068	193	100	65,722	317	30,401	1,911	7,989	34,323	-126	257	154,156
Year 2024												
January	16,747	390	95	72,328	286	29,990	2,274	8,324	31,629	-119	238	162,181
February	8,861	126	93	57,864	219	27,983	2,002	10,363	36,967	-128	211	144,563
March	6,934	161	94	56,850	200	27,389	2,306	13,285	39,905	-128	199	147,194
Year to Date												
2022	60,445	2,438	420	159,226	813	87,602	5,868	24,572	103,214	-288	920	445,231
2023	36,386	777	286	175,217	785	83,619	6,089	24,666	112,392	-323	845	440,738
2024	32,543	678	282	187,042	705	85,361	6,581	31,972	108,502	-375	648	453,939
Rolling 12 Months Ending in March												
2023	180,185	4,073	NM	766,257	3,423	339,620	20,894	125,249	396,767	-1,312	3,412	1,839,789
2024	148,370	2,498	1,424	816,224	3,154	335,235	22,153	148,898	379,668	-1,402	2,885	1,859,107

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, hydrogen 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, 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 2022 and prior years are final. Values for 2023 and 2024 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, 2014-March 2024
(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															
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	280	94	4	7,346	0	0	258	598	2,978	0	1,209	12,768	15,124	15,722	15,722
2022	287	101	10	7,830	0	0	263	669	4,185	0	3,391	16,737	17,724	18,393	18,393
2023	200	70	2	8,370	0	0	238	690	3,908	0	3,198	16,675	19,470	20,161	20,161
Year 2022															
January	29	23	1	655	0	0	24	36	358	0	276	1,403	1,012	1,048	1,048
February	19	6	1	563	0	0	21	42	324	0	254	1,232	1,116	1,158	1,158
March	18	5	1	606	0	0	24	56	346	0	271	1,328	1,521	1,576	1,576
April	13	6	1	559	0	0	21	66	349	0	295	1,308	1,662	1,728	1,728
May	10	6	1	611	0	0	26	71	358	0	298	1,381	1,816	1,887	1,887
June	27	8	1	672	0	0	27	74	354	0	291	1,455	1,819	1,893	1,893
July	26	7	1	807	0	0	26	72	359	0	294	1,592	1,894	1,966	1,966
August	29	8	0	822	0	0	22	69	360	0	286	1,595	1,801	1,871	1,871
Sept	30	5	0	696	0	0	18	61	335	0	272	1,417	1,608	1,668	1,668
October	28	5	0	571	0	0	15	52	345	0	284	1,300	1,383	1,435	1,435
November	28	6	1	601	0	0	18	40	350	0	286	1,330	1,086	1,126	1,126
December	30	18	1	668	0	0	20	29	347	0	284	1,397	1,007	1,037	1,037
Year 2023															
January	22	8	1	664	0	0	23	35	341	0	271	1,365	1,105	1,140	1,140
February	20	8	0	619	0	0	20	39	294	0	231	1,231	1,231	1,270	1,270
March	16	7	0	651	0	0	NM	56	309	0	241	1,300	1,658	1,713	1,713
April	20	NM	0	599	0	0	NM	60	298	0	235	1,233	1,838	1,898	1,898
May	18	NM	0	624	0	0	NM	70	324	0	272	1,345	2,002	2,073	2,073
June	NM	4	0	727	0	0	NM	68	337	0	282	1,447	1,995	2,063	2,063
July	12	6	0	820	0	0	NM	74	343	0	290	1,566	2,073	2,147	2,147
August	11	5	0	820	0	0	NM	71	336	0	278	1,542	1,976	2,047	2,047
Sept	14	5	0	765	0	0	NM	60	311	0	258	1,427	1,764	1,824	1,824
October	19	5	0	673	0	0	NM	52	328	0	272	1,364	1,526	1,579	1,579
November	18	6	0	678	0	0	17	59	337	0	278	1,393	1,202	1,261	1,261
December	21	7	1	729	0	0	NM	46	350	0	289	1,462	1,101	1,147	1,147
Year 2024															
January	30	11	1	751	0	0	21	44	344	0	278	1,481	1,206	1,251	1,251
February	20	5	0	692	0	0	NM	59	303	0	247	1,346	1,396	1,455	1,455
March	18	6	0	725	0	0	NM	69	305	0	244	1,390	1,847	1,916	1,916
Year to Date															
2022	67	34	4	1,824	0	0	70	134	1,028	0	801	3,962	3,649	3,783	3,783
2023	58	23	1	1,934	0	0	62	130	944	0	744	3,897	3,993	4,123	4,123
2024	68	22	1	2,168	0	0	64	172	951	0	769	4,217	4,449	4,621	4,621
Rolling 12 Months Ending in March															
2023	279	90	8	7,940	0	0	NM	664	4,101	0	3,333	16,672	18,069	18,733	18,733
2024	NM	NM	2	8,604	0	0	NM	733	3,915	0	3,224	16,995	19,926	20,659	20,659

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, hydrogen 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, 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 2022 and prior years are final. Values for 2023 and 2024 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.
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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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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, 2014-March 2024
(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															
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	26,348	0	4,231	143,064	3,484	3,586	3,586
2021	5,278	400	367	95,240	8,093	0	936	137	25,324	0	3,975	139,750	3,858	3,994	3,994
2022	5,128	614	379	96,550	8,271	0	899	276	24,224	0	3,702	140,043	4,048	4,324	4,324
2023	4,364	503	301	98,433	8,217	0	904	326	22,711	0	3,398	139,157	4,414	4,741	4,741
Year 2022															
January	445	51	31	8,683	713	0	77	13	2,137	0	359	12,508	230	243	243
February	409	NM	36	7,440	635	0	83	15	1,944	0	319	10,921	244	259	259
March	459	41	30	7,931	683	0	111	21	2,051	0	347	11,673	348	369	369
April	402	42	28	7,350	630	0	102	24	1,986	0	308	10,871	377	401	401
May	461	40	35	7,792	671	0	84	28	2,043	0	332	11,485	413	441	441
June	450	45	29	7,964	706	0	63	32	2,053	0	319	11,661	413	446	446
July	453	48	28	8,667	741	0	53	31	2,152	0	336	12,510	426	458	458
August	453	38	31	8,759	731	0	61	30	2,091	0	303	12,498	411	441	441
Sept	404	47	29	7,842	680	0	60	26	1,919	0	265	11,272	368	395	395
October	396	43	33	7,903	692	0	51	24	1,828	0	260	11,230	333	357	357
November	372	43	38	8,144	675	0	62	18	1,998	0	287	11,635	256	273	273
December	425	137	31	8,075	714	0	92	13	2,023	0	270	11,779	229	242	242
Year 2023															
January	398	54	NM	8,304	705	0	90	17	2,082	0	292	11,969	246	263	263
February	353	43	NM	7,794	673	0	77	19	1,853	0	284	11,122	261	281	281
March	353	50	35	8,187	700	0	85	26	1,934	0	277	11,647	374	399	399
April	342	42	NM	6,885	546	0	71	30	1,774	0	254	9,966	412	442	442
May	355	37	20	7,611	618	0	80	34	2,002	0	276	11,032	451	485	485
June	375	44	NM	8,312	652	0	63	34	1,839	0	262	11,603	451	485	485
July	394	41	NM	8,665	703	0	73	37	1,860	0	293	12,102	465	502	502
August	375	40	NM	8,817	807	0	74	34	1,937	0	296	12,413	446	480	480
Sept	362	36	NM	8,448	674	0	66	29	1,742	0	278	11,664	401	430	430
October	350	38	18	8,112	667	0	NM	26	1,737	0	307	11,330	364	391	391
November	341	38	17	8,325	721	0	71	19	1,956	0	288	11,776	287	306	306
December	366	39	21	8,973	750	0	79	21	1,994	0	291	12,534	256	276	276
Year 2024															
January	387	56	21	9,153	743	0	90	21	1,952	0	269	12,693	268	289	289
February	352	49	15	8,005	561	0	83	28	1,827	0	245	11,164	299	327	327
March	393	37	17	7,920	523	0	88	37	1,912	0	244	11,171	407	445	445
Year to Date															
2022	1,313	132	97	24,054	2,030	0	270	49	6,132	0	1,024	35,102	822	871	871
2023	1,104	147	87	24,285	2,078	0	253	62	5,869	0	853	34,738	881	943	943
2024	1,132	142	53	25,079	1,827	0	261	86	5,690	0	758	35,028	974	1,061	1,061
Rolling 12 Months Ending in March															
2023	4,919	629	NM	96,782	8,319	0	881	288	23,961	0	3,531	139,679	4,108	4,396	4,396
2024	4,392	498	NM	99,227	7,966	0	NM	351	22,531	0	3,303	139,447	4,507	4,858	4,858

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, hydrogen 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, 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 2022 and prior years are final. Values for 2023 and 2024 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.E. Net Generation by Energy Source: Residential Sector, 2014-March 2024
(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	30,182
2022	39,510
2023	49,734
Year 2022	
January	2,135
February	2,357
March	3,252
April	3,632
May	4,007
June	3,997
July	4,118
August	3,982
Sept	3,569
October	3,306
November	2,693
December	2,462
Year 2023	
January	2,641
February	2,908
March	3,972
April	4,517
May	5,107
June	4,984
July	5,209
August	5,134
Sept	4,458
October	4,203
November	3,469
December	3,133
Year 2024	
January	3,308
February	3,722
March	4,877
Year to Date	
2022	7,744
2023	9,521
2024	11,907
Rolling 12 Months Ending in March	
2023	41,287
2024	52,121

See Glossary for definitions. Values for 2022 and prior years are final. Values for 2023 and 2024 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, March 2024 and 2023 (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	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	8,852	8,416	5.2%	127	133	8,361	7,894	185	186	179	204
Connecticut	3,761	3,797	-0.9%	10	7	3,661	3,707	28	24	62	59
Maine	1,178	1,002	17.5%	NM	NM	1,088	882	4	5	86	115
Massachusetts	1,773	1,403	26.4%	35	35	1,581	1,207	144	147	13	14
New Hampshire	1,439	1,403	2.6%	NM	NM	1,429	1,393	6	6	3	2
Rhode Island	497	610	-18.5%	0	0	478	593	3	3	16	NM
Vermont	204	201	1.5%	80	89	124	112	0	0	0	0
Middle Atlantic	34,532	34,777	-0.7%	3,064	2,823	30,625	31,198	362	295	481	461
New Jersey	4,488	4,735	-5.2%	26	NM	4,300	4,580	107	93	54	45
New York	10,049	9,354	7.4%	3,022	2,796	6,742	6,327	205	155	80	75
Pennsylvania	19,995	20,688	-3.4%	15	10	19,582	20,291	50	47	347	341
East North Central	46,432	46,704	-0.6%	14,882	16,427	30,556	29,244	156	150	839	883
Illinois	14,931	14,102	5.9%	373	277	14,338	13,606	38	37	182	182
Indiana	7,109	7,547	-5.8%	3,753	4,262	3,000	2,878	22	20	335	388
Michigan	8,891	10,115	-12.1%	5,347	6,649	3,356	3,281	64	64	125	122
Ohio	10,254	10,154	1.0%	1,396	1,292	8,782	8,786	22	20	54	56
Wisconsin	5,247	4,786	9.6%	4,013	3,947	1,080	694	10	11	143	134
West North Central	29,124	29,838	-2.4%	19,017	20,553	9,630	8,905	48	47	429	332
Iowa	6,225	6,659	-6.5%	4,564	5,254	1,445	1,260	14	12	203	133
Kansas	4,791	5,309	-9.7%	1,942	2,706	2,809	2,573	NM	NM	39	29
Minnesota	4,952	4,764	3.9%	3,201	3,194	1,604	1,427	15	17	133	126
Missouri	4,508	4,797	-6.0%	3,969	4,080	519	697	17	15	4	5
Nebraska	3,185	3,275	-2.7%	1,831	2,031	1,322	1,223	2	2	31	19
North Dakota	3,705	3,548	4.4%	2,768	2,579	923	955	0	0	13	NM
South Dakota	1,758	1,487	18.2%	743	710	1,008	771	NM	NM	NM	7
South Atlantic	61,335	62,046	-1.1%	50,475	50,181	9,312	10,227	193	211	1,354	1,428
Delaware	178	299	-40.5%	NM	1	108	190	NM	1	69	106
District of Columbia	20	17	20.2%	NM	NM	NM	NM	18	15	0	0
Florida	19,177	19,235	-0.3%	18,206	17,953	613	836	50	70	307	376
Georgia	9,959	9,448	5.4%	7,898	7,375	1,662	1,686	NM	NM	399	387
Maryland	2,642	3,091	-14.5%	134	467	2,475	2,593	29	27	4	NM
North Carolina	9,748	9,475	2.9%	7,786	7,437	1,817	1,884	23	23	122	131
South Carolina	7,726	8,469	-8.8%	7,251	8,018	324	312	0	0	150	138
Virginia	8,214	7,405	10.9%	6,353	5,804	1,592	1,340	72	75	197	186
West Virginia	3,670	4,607	-20.3%	2,848	3,125	717	1,382	0	0	105	99
East South Central	25,542	27,953	-8.6%	22,745	23,668	2,036	3,550	20	19	742	715
Alabama	10,234	11,092	-7.7%	8,215	7,688	1,640	3,044	0	0	379	360
Kentucky	4,520	4,935	-8.4%	4,460	4,864	12	24	NM	NM	49	47
Mississippi	4,344	6,056	-28.3%	3,993	5,573	201	325	0	0	150	158
Tennessee	6,443	5,869	9.8%	6,077	5,543	183	157	20	19	164	150
West South Central	58,520	58,877	-0.6%	16,767	15,581	36,007	37,125	98	71	5,649	6,099
Arkansas	4,498	4,495	0.1%	3,905	3,945	497	468	NM	NM	92	78
Louisiana	7,129	6,934	2.8%	4,704	4,200	335	444	NM	NM	2,086	2,287
Oklahoma	6,758	7,057	-4.2%	2,566	2,305	4,120	4,685	0	-2	71	69
Texas	40,136	40,391	-0.6%	5,592	5,131	31,055	31,528	90	66	3,400	3,666
Mountain	28,023	29,377	-4.6%	18,621	20,127	9,076	8,920	53	55	273	274
Arizona	7,877	7,733	1.9%	6,392	6,317	1,470	1,402	13	13	NM	NM
Colorado	4,818	4,763	1.2%	2,960	3,199	1,837	1,545	NM	2	20	18
Idaho	1,468	1,280	14.6%	894	714	516	511	6	6	52	49
Montana	2,047	2,254	-9.2%	801	745	1,245	1,508	0	0	NM	2
Nevada	3,176	3,423	-7.2%	1,777	2,105	1,355	1,265	9	9	34	43
New Mexico	3,223	3,835	-16.0%	1,520	2,037	1,696	1,783	NM	NM	0	6
Utah	2,324	2,747	-15.4%	1,778	2,282	501	428	NM	17	30	20
Wyoming	3,091	3,342	-7.5%	2,500	2,729	458	478	0	0	133	134
Pacific Contiguous	30,009	30,604	-1.9%	17,278	16,646	11,317	12,524	215	214	1,199	1,220
California	15,760	16,965	-7.1%	6,158	6,514	8,409	9,248	205	207	988	996
Oregon	5,645	5,148	9.6%	3,686	3,271	1,895	1,815	7	7	57	56
Washington	8,604	8,491	1.3%	7,435	6,861	1,013	1,461	2	NM	154	169
Pacific Noncontiguous	1,271	1,328	-4.4%	909	966	275	280	60	51	27	31
Alaska	560	548	2.2%	503	495	17	NM	29	24	10	12
Hawaii	711	780	-8.9%	405	471	257	263	31	27	17	19
U.S. Total	323,639	329,920	-1.9%	163,884	167,105	147,194	149,867	1,390	1,300	11,171	11,647

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 March 2024 and 2023 (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	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
New England	26,034	24,735	5.3%	391	396	24,529	23,180	579	551	535	608
Connecticut	10,681	10,797	-1.1%	24	21	10,381	10,535	86	74	190	166
Maine	3,314	2,906	14.0%	NM	NM	3,049	2,538	10	13	254	353
Massachusetts	5,548	4,591	20.9%	110	112	4,949	4,005	454	434	36	40
New Hampshire	4,326	4,138	4.5%	NM	NM	4,295	4,109	19	19	8	7
Rhode Island	1,566	1,723	-9.1%	0	0	1,509	1,672	9	10	47	41
Vermont	600	581	3.2%	253	259	346	321	1	1	0	0
Middle Atlantic	108,209	104,544	3.5%	9,359	8,603	96,283	93,641	1,051	875	1,515	1,425
New Jersey	14,935	13,955	7.0%	53	42	14,414	13,526	303	243	165	144
New York	31,752	28,921	9.8%	9,264	8,528	21,648	19,680	596	491	243	221
Pennsylvania	61,522	61,668	-0.2%	42	32	60,221	60,435	152	142	1,107	1,059
East North Central	150,277	142,369	5.6%	50,694	49,831	96,482	89,358	464	456	2,636	2,724
Illinois	45,935	43,385	5.9%	1,147	925	44,133	41,768	119	116	535	576
Indiana	23,898	23,232	2.9%	13,945	13,334	8,738	8,586	58	58	1,157	1,254
Michigan	28,970	30,302	-4.4%	18,242	20,012	10,183	9,751	189	187	356	352
Ohio	34,846	30,369	14.7%	4,259	3,565	30,350	26,575	67	60	170	168
Wisconsin	16,627	15,081	10.2%	13,100	11,994	3,078	2,678	30	34	418	375
West North Central	89,267	89,411	-0.2%	62,670	63,355	25,236	24,860	155	154	1,207	1,041
Iowa	18,056	18,640	-3.1%	13,906	14,670	3,558	3,480	39	41	553	449
Kansas	14,495	15,170	-4.5%	7,138	8,062	7,242	7,004	NM	NM	111	100
Minnesota	14,587	14,360	1.6%	9,821	9,935	4,327	4,021	61	60	377	343
Missouri	16,265	15,809	2.9%	14,460	13,905	1,746	1,845	45	44	13	15
Nebraska	9,869	10,173	-3.0%	6,498	6,556	3,272	3,537	5	5	94	76
North Dakota	11,086	11,142	-0.5%	8,539	8,385	2,508	2,718	0	0	38	39
South Dakota	4,910	4,116	19.3%	2,307	1,842	2,582	2,256	NM	NM	20	19
South Atlantic	193,876	182,187	6.4%	160,604	149,052	28,481	28,244	668	665	4,124	4,226
Delaware	866	851	1.8%	NM	3	585	535	NM	2	279	311
District of Columbia	54	43	26.0%	NM	NM	5	5	48	38	0	0
Florida	56,145	55,092	1.9%	52,621	51,261	2,385	2,532	245	266	894	1,032
Georgia	32,565	27,939	16.6%	26,791	22,425	4,546	4,336	NM	NM	1,227	1,177
Maryland	7,735	8,166	-5.3%	506	1,131	7,134	6,946	80	76	15	12
North Carolina	32,408	29,392	10.3%	27,002	24,162	4,967	4,766	72	58	366	407
South Carolina	24,869	24,538	1.4%	23,618	23,333	810	772	1	1	440	432
Virginia	26,725	22,926	16.6%	20,604	18,147	5,334	4,013	219	223	568	543
West Virginia	12,508	13,240	-5.5%	9,460	8,590	2,714	4,339	0	0	334	311
East South Central	87,755	84,378	4.0%	77,382	72,004	8,035	10,147	56	56	2,282	2,171
Alabama	33,357	32,946	1.2%	25,273	22,876	6,932	8,948	0	0	1,152	1,122
Kentucky	16,384	15,038	9.0%	16,122	14,822	114	73	NM	NM	148	143
Mississippi	16,596	17,272	-3.9%	15,632	16,073	519	735	0	0	446	464
Tennessee	21,417	19,123	12.0%	20,354	18,233	471	392	56	55	536	443
West South Central	185,030	175,898	5.2%	54,299	49,258	112,116	108,200	297	224	18,319	18,217
Arkansas	14,527	14,267	1.8%	12,839	12,637	1,413	1,369	NM	NM	264	250
Louisiana	22,669	20,900	8.5%	14,116	12,648	1,498	1,108	26	NM	7,029	7,129
Oklahoma	22,091	20,745	6.5%	9,224	7,330	12,654	13,210	-1	-6	214	211
Texas	125,742	119,987	4.8%	18,120	16,643	96,551	92,514	260	202	10,812	10,628
Mountain	88,694	89,127	-0.5%	61,376	62,911	26,342	25,324	158	144	819	748
Arizona	24,941	23,734	5.1%	20,387	19,634	4,511	4,065	37	30	5	5
Colorado	14,971	14,280	4.8%	10,032	9,898	4,878	4,329	5	5	55	48
Idaho	4,159	3,901	6.6%	2,564	2,359	1,432	1,379	18	18	146	145
Montana	6,653	6,976	-4.6%	2,345	2,481	4,304	4,489	0	0	5	6
Nevada	9,952	9,654	3.1%	6,263	6,132	3,537	3,405	25	24	128	93
New Mexico	10,339	10,642	-2.8%	5,246	5,507	5,065	5,105	NM	25	5	6
Utah	7,255	9,106	-20.3%	5,895	7,878	1,225	1,120	49	43	86	65
Wyoming	10,423	10,834	-3.8%	8,644	9,022	1,391	1,431	0	0	389	380
Pacific Contiguous	90,671	90,694	0.0%	50,826	49,564	35,712	37,037	627	603	3,506	3,491
California	49,313	49,009	0.6%	18,732	17,809	27,116	27,815	602	580	2,863	2,805
Oregon	16,147	15,726	2.7%	10,636	10,246	5,319	5,290	20	19	172	170
Washington	25,212	25,960	-2.9%	21,458	21,509	3,277	3,931	6	3	471	516
Pacific Noncontiguous	3,906	3,865	1.1%	2,935	2,863	723	746	162	168	85	87
Alaska	1,737	1,598	8.7%	1,572	1,433	50	50	85	83	30	32
Hawaii	2,168	2,267	-4.4%	1,363	1,430	673	696	77	85	55	56
U.S. Total	1,023,719	987,209	3.7%	530,536	507,836	453,939	440,738	4,217	3,897	35,028	34,738

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 1.4.A. Utility Scale Facility Net Generation from Coal by State, by Sector, March 2024 and 2023 (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	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	12	6	107.4%	0	0	12	6	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	5	5	-9.0%	0	0	5	5	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	7	0	NM	0	0	7	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	601	1,450	-58.5%	0	0	592	1,441	0	0	9	8
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	601	1,450	-58.5%	0	0	592	1,441	0	0	9	8
East North Central	7,906	10,875	-27.3%	5,144	6,372	2,691	4,408	NM	6	68	90
Illinois	1,681	1,990	-15.5%	116	105	1,509	1,808	NM	0	55	77
Indiana	2,456	3,091	-20.5%	2,194	2,731	260	356	2	5	0	0
Michigan	972	1,751	-44.5%	958	1,718	12	30	0	0	NM	NM
Ohio	1,396	2,568	-45.6%	487	355	910	2,214	0	0	0	0
Wisconsin	1,400	1,475	-5.1%	1,389	1,464	0	0	0	0	NM	NM
West North Central	6,906	9,055	-23.7%	6,734	8,938	0	0	1	0	171	117
Iowa	501	1,329	-62.3%	380	1,253	0	0	0	0	121	76
Kansas	460	1,289	-64.3%	460	1,289	0	0	0	0	0	0
Minnesota	707	820	-13.8%	697	810	0	0	0	0	NM	NM
Missouri	2,098	2,378	-11.8%	2,097	2,378	0	0	1	0	0	0
Nebraska	1,060	1,294	-18.0%	1,030	1,275	0	0	0	0	30	19
North Dakota	1,967	1,788	10.0%	1,958	1,777	0	0	0	0	NM	NM
South Dakota	112	157	-28.8%	112	157	0	0	0	0	0	0
South Atlantic	6,427	8,812	-27.1%	6,031	7,632	365	1,136	1	1	30	43
Delaware	8	-3	-382.4%	0	0	8	-3	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	260	1,160	-77.5%	259	1,156	0	0	0	0	2	3
Georgia	857	1,203	-28.8%	844	1,191	0	0	0	0	14	12
Maryland	122	94	29.2%	0	0	122	94	0	0	0	0
North Carolina	1,093	1,105	-1.1%	1,089	1,094	0	0	1	1	3	10
South Carolina	1,024	1,013	1.1%	1,024	1,002	0	10	0	0	1	2
Virginia	75	166	-55.2%	64	151	0	0	0	0	11	15
West Virginia	2,988	4,072	-26.6%	2,753	3,038	235	1,034	0	0	0	0
East South Central	6,196	6,107	1.5%	5,992	5,786	150	288	0	0	54	34
Alabama	1,578	1,491	5.8%	1,578	1,491	0	0	0	0	0	0
Kentucky	3,381	3,346	1.0%	3,381	3,346	0	0	0	0	0	0
Mississippi	225	397	-43.2%	76	109	150	288	0	0	0	0
Tennessee	1,012	874	15.9%	958	840	0	0	0	0	54	34
West South Central	4,398	5,504	-20.1%	2,448	2,476	1,940	3,020	0	0	10	8
Arkansas	843	767	10.0%	601	441	239	324	0	0	3	2
Louisiana	253	48	429.0%	253	48	0	0	0	0	0	0
Oklahoma	92	79	16.5%	85	74	0	0	0	0	7	6
Texas	3,210	4,610	-30.4%	1,509	1,914	1,701	2,697	0	0	0	0
Mountain	5,635	7,735	-27.1%	4,630	6,413	974	1,291	0	0	31	31
Arizona	436	729	-40.2%	436	729	0	0	0	0	0	0
Colorado	1,046	1,389	-24.7%	1,046	1,389	0	0	0	0	0	0
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	785	1,143	-31.3%	0	0	785	1,143	0	0	NM	NM
Nevada	165	153	7.7%	77	93	88	60	0	0	0	0
New Mexico	528	966	-45.3%	528	966	0	0	0	0	0	0
Utah	867	1,198	-27.7%	833	1,168	34	31	0	0	0	0
Wyoming	1,807	2,157	-16.2%	1,710	2,069	67	58	0	0	30	30
Pacific Contiguous	222	447	-50.3%	0	0	200	424	0	0	22	23
California	20	21	-5.0%	0	0	0	0	0	0	20	21
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	202	426	-52.6%	0	0	200	424	0	0	2	2
Pacific Noncontiguous	58	67	-12.9%	35	46	NM	NM	13	9	0	0
Alaska	58	67	-12.9%	35	46	NM	NM	13	9	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	38,360	50,057	-23.4%	31,015	37,662	6,934	12,026	18	16	393	353

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

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

by State, by Sector, Year-to-Date through March 2024 and 2023 (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	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
New England	45	117	-61.4%	0	0	45	117	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	10	17	-41.9%	0	0	10	17	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	35	100	-64.7%	0	0	35	100	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	4,239	3,616	17.2%	0	0	4,216	3,591	0	0	22	25
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	4,239	3,616	17.2%	0	0	4,216	3,591	0	0	22	25
East North Central	33,569	35,822	-6.3%	21,075	21,363	12,273	14,172	13	14	208	273
Illinois	6,473	6,676	-3.0%	369	349	5,934	6,086	NM	NM	167	238
Indiana	10,351	10,217	1.3%	9,450	9,202	892	1,004	9	11	0	0
Michigan	4,531	6,431	-29.6%	4,487	6,343	40	86	0	0	NM	NM
Ohio	6,952	8,005	-13.2%	1,545	1,008	5,407	6,997	0	0	0	0
Wisconsin	5,261	4,492	17.1%	5,224	4,460	0	0	0	0	37	33
West North Central	29,090	30,865	-5.8%	28,589	30,446	0	0	10	9	491	410
Iowa	2,941	3,552	-17.2%	2,600	3,273	0	0	1	6	340	273
Kansas	2,766	4,121	-32.9%	2,766	4,121	0	0	0	0	0	0
Minnesota	3,328	3,118	6.7%	3,293	3,087	0	0	4	0	32	31
Missouri	9,245	9,276	-0.3%	9,239	9,273	0	0	6	2	0	0
Nebraska	4,104	4,431	-7.4%	4,014	4,356	0	0	0	0	91	76
North Dakota	6,264	6,132	2.2%	6,236	6,101	0	0	0	0	28	31
South Dakota	441	235	88.1%	441	235	0	0	0	0	0	0
South Atlantic	25,435	22,684	12.1%	23,357	19,154	1,981	3,411	8	1	89	118
Delaware	23	-8	-383.3%	0	0	23	-8	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,423	2,673	-46.7%	1,419	2,664	0	0	0	0	5	9
Georgia	4,161	2,596	60.3%	4,118	2,567	0	0	0	0	43	29
Maryland	501	213	134.8%	0	0	501	213	0	0	0	0
North Carolina	4,538	2,162	109.9%	4,520	2,128	0	0	8	1	9	33
South Carolina	3,615	2,963	22.0%	3,612	2,926	0	30	0	0	3	7
Virginia	543	586	-7.3%	514	546	0	0	0	0	29	40
West Virginia	10,630	11,499	-7.6%	9,173	8,323	1,457	3,176	0	0	0	0
East South Central	21,608	18,897	14.3%	21,084	18,156	382	646	0	0	142	95
Alabama	4,752	4,361	9.0%	4,752	4,361	0	0	0	0	0	0
Kentucky	11,762	10,225	15.0%	11,762	10,225	0	0	0	0	0	0
Mississippi	723	910	-20.6%	341	264	382	646	0	0	0	0
Tennessee	4,370	3,400	28.5%	4,228	3,306	0	0	0	0	142	95
West South Central	20,569	18,615	10.5%	11,104	9,094	9,445	9,507	0	0	20	14
Arkansas	4,363	3,260	33.8%	3,544	2,255	810	996	0	0	9	8
Louisiana	1,290	548	135.2%	957	548	333	0	0	0	0	0
Oklahoma	1,162	711	63.4%	1,150	705	0	0	0	0	12	6
Texas	13,755	14,096	-2.4%	5,454	5,585	8,302	8,511	0	0	0	0
Mountain	22,446	25,652	-12.5%	18,994	21,950	3,359	3,611	0	0	93	91
Arizona	2,768	3,176	-12.9%	2,768	3,176	0	0	0	0	0	0
Colorado	4,565	4,580	-0.3%	4,565	4,580	0	0	0	0	0	0
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	2,775	3,132	-11.4%	0	0	2,774	3,131	0	0	NM	NM
Nevada	569	434	31.0%	267	210	302	224	0	0	0	0
New Mexico	2,287	2,370	-3.5%	2,287	2,370	0	0	0	0	0	0
Utah	2,779	4,759	-41.6%	2,679	4,668	100	92	0	0	0	0
Wyoming	6,702	7,199	-6.9%	6,428	6,946	183	165	0	0	91	88
Pacific Contiguous	875	1,375	-36.4%	0	0	809	1,296	0	0	66	79
California	60	71	-16.2%	0	0	0	0	0	0	60	71
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	815	1,304	-37.5%	0	0	809	1,296	0	0	6	7
Pacific Noncontiguous	201	176	13.9%	131	108	33	34	37	34	0	0
Alaska	201	176	13.9%	131	108	33	34	37	34	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	158,077	157,819	0.2%	124,334	120,271	32,543	36,386	68	58	1,132	1,104

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

Table 1.5.A. Utility Scale Facility Net Generation from Petroleum Liquids by State, by Sector, March 2024 and 2023 (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	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	9	14	-34.3%	NM	NM	5	9	3	3	1	NM
Connecticut	NM	9	NM	0	NM	NM	NM	NM	NM	NM	NM
Maine	NM	2	NM	0	0	NM	1	0	0	0	NM
Massachusetts	1	NM	NM	NM	NM	NM	NM	1	NM	NM	0
New Hampshire	1	2	-17.7%	0	0	NM	NM	1	2	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	NM	NM	NM	NM	NM	0	0	0	0	0	0
Middle Atlantic	14	40	-64.7%	NM	11	7	24	NM	NM	1	3
New Jersey	NM	NM	NM	0	0	NM	NM	NM	NM	0	0
New York	10	28	-65.3%	NM	11	NM	13	NM	NM	1	2
Pennsylvania	NM	10	NM	NM	NM	NM	10	0	0	1	0
East North Central	34	41	-18.8%	19	20	11	19	NM	NM	3	2
Illinois	1	2	-33.5%	NM	NM	NM	2	NM	NM	0	0
Indiana	4	12	-61.7%	4	6	0	5	0	0	NM	0
Michigan	11	9	19.3%	11	9	0	0	NM	NM	0	1
Ohio	12	14	-13.5%	NM	2	10	12	NM	0	1	0
Wisconsin	5	4	2.2%	2	3	0	0	NM	NM	2	1
West North Central	22	36	-38.3%	22	35	NM	NM	0	0	0	0
Iowa	1	7	-82.6%	1	6	NM	NM	0	0	NM	NM
Kansas	7	5	25.4%	7	5	0	0	0	0	0	0
Minnesota	3	3	-19.7%	2	3	NM	NM	0	NM	0	0
Missouri	3	10	-74.8%	3	10	0	0	0	0	0	0
Nebraska	3	3	-1.0%	3	3	0	0	0	0	0	0
North Dakota	5	7	-18.4%	5	7	0	0	0	0	0	0
South Dakota	NM	1	NM	NM	1	0	0	NM	NM	0	0
South Atlantic	77	86	-11.0%	57	57	6	6	1	1	12	21
Delaware	NM	NM	NM	0	0	NM	NM	0	0	0	0
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	8	15	-49.1%	7	14	NM	0	0	0	NM	NM
Georgia	14	22	-38.7%	NM	5	NM	NM	NM	NM	10	17
Maryland	3	2	59.5%	NM	NM	3	2	NM	0	0	NM
North Carolina	25	10	142.0%	24	7	NM	NM	NM	NM	NM	3
South Carolina	8	12	-39.9%	NM	12	NM	0	0	0	1	0
Virginia	NM	12	NM	NM	9	1	2	1	1	NM	0
West Virginia	9	11	-12.9%	9	11	0	0	0	0	0	0
East South Central	7	21	-66.0%	7	20	NM	NM	0	0	NM	NM
Alabama	NM	NM	NM	NM	NM	NM	NM	0	0	NM	NM
Kentucky	1	6	-89.2%	1	6	0	0	0	0	0	0
Mississippi	1	1	13.7%	1	1	0	0	0	0	0	0
Tennessee	5	13	-62.6%	5	13	0	0	0	0	0	0
West South Central	18	19	-5.7%	7	7	11	12	NM	NM	0	NM
Arkansas	3	3	-0.1%	3	3	0	0	0	0	NM	NM
Louisiana	NM	1	NM	NM	1	0	0	0	0	0	0
Oklahoma	1	NM	NM	1	NM	0	0	0	0	0	0
Texas	13	15	-12.9%	3	3	10	12	NM	NM	0	0
Mountain	11	11	1.3%	9	10	2	1	NM	NM	0	0
Arizona	1	2	-40.9%	1	2	0	0	NM	NM	0	0
Colorado	2	2	-11.0%	2	2	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	2	NM	NM	NM	NM	2	NM	0	0	0	0
Nevada	0	1	-20.0%	0	1	0	0	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	1	2	-40.6%	1	2	0	0	0	0	0	0
Wyoming	4	4	5.5%	4	4	0	0	0	0	0	0
Pacific Contiguous	9	9	-5.6%	3	4	3	3	1	1	NM	NM
California	6	5	15.5%	3	3	2	2	1	1	0	NM
Oregon	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Washington	NM	4	NM	NM	1	1	1	0	0	NM	NM
Pacific Noncontiguous	614	698	-12.0%	481	531	117	147	1	1	16	19
Alaska	88	74	18.6%	82	68	0	0	0	1	5	5
Hawaii	527	624	-15.7%	399	463	117	147	0	0	11	14
U.S. Total	816	976	-16.5%	611	698	161	221	6	7	37	50

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

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

by State, by Sector, Year-to-Date through March 2024 and 2023 (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	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
New England	109	216	-49.7%	6	16	89	184	9	10	5	6
Connecticut	47	56	-16.0%	1	1	44	52	0	1	1	1
Maine	15	37	-59.3%	0	0	12	33	0	0	3	4
Massachusetts	36	55	-35.0%	NM	15	27	37	4	2	0	0
New Hampshire	4	46	-90.2%	0	0	NM	41	4	5	0	0
Rhode Island	6	22	-71.8%	0	0	5	21	1	1	0	0
Vermont	NM	NM	NM	NM	NM	0	0	0	0	0	0
Middle Atlantic	183	240	-23.8%	69	80	107	148	3	4	4	8
New Jersey	9	21	-55.3%	0	0	9	20	NM	1	0	0
New York	136	203	-32.7%	69	80	63	113	NM	NM	2	7
Pennsylvania	37	17	123.4%	0	0	35	15	1	1	2	1
East North Central	111	103	7.9%	60	56	45	43	1	0	5	4
Illinois	7	7	1.0%	NM	1	5	5	NM	NM	0	0
Indiana	19	27	-30.6%	18	21	0	5	1	0	0	0
Michigan	28	21	32.5%	27	20	0	0	NM	NM	1	1
Ohio	45	38	18.6%	4	4	39	32	0	0	1	1
Wisconsin	13	10	23.8%	NM	9	0	0	0	NM	3	1
West North Central	133	108	23.6%	131	106	NM	NM	1	0	1	1
Iowa	22	13	69.2%	21	12	NM	NM	0	NM	NM	NM
Kansas	40	18	114.8%	40	18	0	0	0	0	0	0
Minnesota	12	12	-0.5%	NM	10	NM	NM	1	0	1	1
Missouri	22	37	-39.4%	22	37	0	0	0	0	0	0
Nebraska	16	9	85.3%	16	9	0	0	0	0	0	0
North Dakota	18	16	12.9%	18	16	0	0	0	0	0	0
South Dakota	NM	4	NM	NM	4	0	0	NM	NM	0	0
South Atlantic	394	246	59.9%	254	159	79	26	4	4	57	57
Delaware	9	5	78.8%	0	0	9	NM	0	0	0	0
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	37	49	-25.1%	31	44	NM	1	0	0	4	4
Georgia	74	54	36.3%	21	9	NM	NM	0	0	47	44
Maryland	27	6	320.3%	0	0	28	7	NM	0	NM	NM
North Carolina	97	18	441.2%	77	11	17	NM	NM	NM	NM	6
South Carolina	37	27	39.5%	35	23	NM	2	0	0	2	1
Virginia	83	38	118.7%	61	22	17	11	3	4	2	1
West Virginia	30	49	-39.0%	30	49	0	0	0	0	0	0
East South Central	37	49	-24.0%	35	48	NM	NM	0	0	2	NM
Alabama	5	3	35.1%	4	3	NM	NM	0	0	NM	NM
Kentucky	12	14	-16.5%	12	14	0	0	0	0	0	0
Mississippi	3	2	70.5%	2	2	0	0	0	0	1	0
Tennessee	18	30	-39.9%	18	29	0	0	0	0	0	0
West South Central	97	61	58.1%	51	25	44	36	NM	NM	2	1
Arkansas	11	10	9.9%	9	8	2	2	0	0	NM	NM
Louisiana	NM	1	NM	NM	1	0	0	0	0	0	0
Oklahoma	7	3	171.5%	5	2	0	0	0	0	1	0
Texas	77	48	60.4%	34	13	42	34	NM	NM	1	1
Mountain	55	36	50.4%	47	33	7	3	NM	NM	0	0
Arizona	5	5	1.3%	5	5	0	0	NM	NM	0	0
Colorado	22	8	176.2%	19	8	3	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	10	1	666.7%	7	NM	4	1	0	0	0	0
Nevada	1	1	-9.3%	1	1	0	0	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	4	7	-38.6%	4	6	0	1	0	0	0	0
Wyoming	10	12	-19.4%	10	12	0	0	0	0	0	0
Pacific Contiguous	40	38	7.5%	18	16	7	3	1	2	14	16
California	23	24	-2.8%	9	8	4	2	1	2	9	12
Oregon	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Washington	17	13	26.3%	9	7	3	2	0	0	NM	5
Pacific Noncontiguous	1,924	2,003	-3.9%	1,571	1,615	299	333	2	2	52	53
Alaska	241	222	8.6%	227	208	0	0	1	1	13	12
Hawaii	1,683	1,781	-5.5%	1,344	1,407	299	333	1	1	39	41
U.S. Total	3,083	3,100	-0.6%	2,242	2,154	678	777	22	23	142	147

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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, March 2024 and 2023 (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	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
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	94	137	-31.3%	33	41	NM	78	0	0	11	18
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	44	59	-25.9%	33	41	0	0	0	0	11	18
Ohio	NM	78	NM	0	0	NM	78	0	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	0	0	-100.0%	0	0	0	0	0	0	0	0
Iowa	0	0	-100.0%	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	8	61	-87.0%	7	52	0	0	0	0	NM	NM
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	7	52	-86.9%	7	52	0	0	0	0	0	0
Georgia	NM	NM	NM	0	0	0	0	0	0	NM	NM
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	5	82	-93.7%	0	73	0	0	0	0	5	9
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	73	-100.0%	0	73	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	5	9	-39.1%	0	0	0	0	0	0	5	9
Mountain	43	43	0.1%	0	0	43	43	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	43	0.1%	0	0	43	43	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	150	323	-53.4%	40	166	94	121	0	0	17	35

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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.B. Utility Scale Facility Net Generation from Petroleum Coke

by State, by Sector, Year-to-Date through March 2024 and 2023 (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	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 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	420	397	5.7%	228	195	163	NM	0	0	30	42
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	254	223	14.2%	224	181	0	0	0	0	30	42
Ohio	163	NM	NM	0	0	163	NM	0	0	0	0
Wisconsin	3	14	-77.9%	3	14	0	0	0	0	0	0
West North Central	2	1	39.2%	0	0	0	0	1	1	1	0
Iowa	2	1	39.2%	0	0	0	0	1	1	1	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	71	339	-79.0%	66	314	0	0	0	0	NM	NM
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	66	314	-78.9%	66	314	0	0	0	0	0	0
Georgia	NM	NM	NM	0	0	0	0	0	0	NM	NM
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	-2.2%	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	-2.2%	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	55	201	-72.8%	37	179	0	0	0	0	18	21
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	37	179	-79.6%	37	179	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	18	21	-15.6%	0	0	0	0	0	0	18	21
Mountain	119	126	-5.2%	0	0	119	126	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	119	126	-5.2%	0	0	119	126	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	667	1,064	-37.3%	330	689	282	286	1	1	53	87

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

Table 1.7.A. Utility Scale Facility Net Generation from Natural Gas by State, by Sector, March 2024 and 2023 (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	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	4,432	4,114	7.7%	3	4	4,222	3,899	106	90	101	122
Connecticut	2,059	2,103	-2.1%	3	4	1,966	2,017	28	24	62	58
Maine	338	234	44.2%	0	0	326	197	3	2	9	35
Massachusetts	1,390	1,006	38.2%	0	0	1,307	934	71	59	12	13
New Hampshire	245	240	1.8%	0	0	240	236	2	1	3	2
Rhode Island	400	531	-24.6%	0	0	382	514	2	3	16	NM
Vermont	0	0	-24.9%	0	0	0	0	0	0	0	0
Middle Atlantic	18,493	17,983	2.8%	876	791	17,111	16,742	119	95	387	354
New Jersey	1,718	1,913	-10.2%	NM	NM	1,645	1,853	22	19	37	34
New York	4,671	3,873	20.6%	859	783	3,670	2,970	84	67	58	52
Pennsylvania	12,104	12,197	-0.8%	2	1	11,797	11,919	13	9	293	268
East North Central	18,852	17,480	7.8%	6,380	6,491	11,860	10,437	134	127	477	425
Illinois	1,942	1,594	21.8%	244	158	1,574	1,335	37	36	88	66
Indiana	3,115	2,901	7.4%	1,381	1,428	1,507	1,269	18	13	208	191
Michigan	4,416	4,450	-0.8%	1,700	1,848	2,599	2,491	54	55	63	56
Ohio	7,074	6,283	12.6%	872	905	6,159	5,336	21	18	22	24
Wisconsin	2,305	2,252	2.3%	2,183	2,153	21	6	5	5	97	88
West North Central	3,009	2,944	2.2%	2,484	2,277	325	505	32	29	167	134
Iowa	512	795	-35.6%	426	732	NM	NM	13	10	74	52
Kansas	434	287	51.1%	397	260	0	0	0	0	37	27
Minnesota	1,208	1,012	19.4%	846	672	310	288	6	8	46	44
Missouri	444	485	-8.4%	413	254	15	217	13	10	4	5
Nebraska	112	78	42.9%	110	78	0	0	1	0	1	0
North Dakota	156	154	1.8%	155	153	0	0	0	0	1	1
South Dakota	142	132	7.4%	137	128	0	0	0	0	NM	NM
South Atlantic	29,922	29,866	0.2%	25,440	24,749	4,015	4,620	64	56	403	441
Delaware	127	267	-52.3%	0	1	82	173	0	0	45	92
District of Columbia	13	NM	NM	0	0	0	0	13	NM	0	0
Florida	14,775	13,880	6.4%	14,267	13,147	375	585	NM	NM	123	139
Georgia	3,948	4,625	-14.6%	3,017	3,600	856	965	0	0	75	60
Maryland	771	1,493	-48.4%	133	466	606	998	27	25	4	NM
North Carolina	3,374	3,955	-14.7%	2,631	3,107	715	818	NM	NM	NM	18
South Carolina	1,448	1,842	-21.4%	1,398	1,798	39	31	0	0	11	13
Virginia	5,236	3,673	42.6%	3,983	2,619	1,173	985	3	2	78	67
West Virginia	230	124	85.4%	11	11	169	64	0	0	50	48
East South Central	9,604	11,320	-15.2%	7,762	8,064	1,543	2,960	19	19	280	277
Alabama	3,777	4,749	-20.5%	2,112	1,684	1,543	2,947	0	0	121	118
Kentucky	618	1,143	-45.9%	598	1,110	0	12	0	0	20	20
Mississippi	3,907	4,431	-11.8%	3,861	4,382	0	1	0	0	46	48
Tennessee	1,302	998	30.5%	1,191	888	0	0	19	19	92	91
West South Central	28,607	28,055	2.0%	10,811	9,986	12,604	12,538	82	66	5,110	5,465
Arkansas	1,667	1,855	-10.1%	1,522	1,736	127	102	NM	NM	NM	NM
Louisiana	5,259	5,636	-6.7%	3,245	3,355	181	331	NM	NM	1,829	1,945
Oklahoma	2,664	2,731	-2.5%	2,072	1,796	548	894	0	0	44	41
Texas	19,017	17,833	6.6%	3,972	3,099	11,748	11,211	76	60	3,221	3,464
Mountain	8,851	9,315	-5.0%	7,435	7,609	1,231	1,520	39	41	145	145
Arizona	3,010	2,969	1.4%	2,426	2,226	572	732	11	11	0	0
Colorado	1,616	1,503	7.6%	1,390	1,318	213	171	0	0	13	13
Idaho	475	395	20.0%	298	211	159	170	3	3	15	10
Montana	63	87	-27.7%	48	77	15	10	0	0	NM	NM
Nevada	1,654	2,040	-18.9%	1,544	1,868	71	124	5	5	33	43
New Mexico	882	1,079	-18.2%	681	760	194	304	NM	NM	0	6
Utah	907	1,077	-15.8%	871	1,046	NM	NM	NM	13	18	9
Wyoming	244	166	46.9%	178	103	0	0	0	0	66	63
Pacific Contiguous	8,377	10,842	-22.7%	3,466	4,632	3,937	5,265	130	128	844	818
California	4,780	6,996	-31.7%	1,316	2,341	2,599	3,790	124	124	741	741
Oregon	2,119	1,993	6.4%	1,076	1,051	1,028	929	4	4	10	9
Washington	1,478	1,854	-20.3%	1,074	1,240	310	546	1	0	93	68
Pacific Noncontiguous	275	288	-4.5%	269	281	0	0	0	0	5	7
Alaska	275	288	-4.5%	269	281	0	0	0	0	5	7
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	130,423	132,207	-1.3%	64,927	64,884	56,850	58,486	725	651	7,920	8,187

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
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 March 2024 and 2023 (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	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
New England	13,458	12,126	11.0%	NM	10	12,815	11,482	322	270	306	364
Connecticut	5,932	5,903	0.5%	10	10	5,650	5,658	84	72	188	163
Maine	963	654	47.1%	0	0	925	532	7	7	30	115
Massachusetts	4,441	3,464	28.2%	NM	0	4,186	3,247	218	180	33	37
New Hampshire	805	609	32.0%	0	0	792	599	5	4	8	7
Rhode Island	1,317	1,495	-11.9%	0	0	1,263	1,446	7	7	47	41
Vermont	0	1	-12.1%	0	0	0	0	0	1	0	0
Middle Atlantic	56,826	54,342	4.6%	2,942	2,551	52,319	50,420	369	300	1,196	1,071
New Jersey	6,739	5,678	18.7%	NM	NM	6,534	5,491	68	57	110	110
New York	14,806	12,346	19.9%	2,910	2,528	11,461	9,457	258	205	177	156
Pennsylvania	35,280	36,318	-2.9%	4	4	34,324	35,472	43	38	909	805
East North Central	58,125	51,266	13.4%	19,326	17,986	36,962	31,661	398	388	1,439	1,231
Illinois	6,460	5,370	20.3%	739	530	5,348	4,524	114	111	259	205
Indiana	9,398	8,678	8.3%	4,049	3,846	4,663	4,237	44	44	642	550
Michigan	13,509	12,402	8.9%	5,201	4,581	7,970	7,496	161	162	177	163
Ohio	21,683	17,899	21.1%	2,606	2,460	18,936	15,309	64	56	78	73
Wisconsin	7,074	6,918	2.3%	6,732	6,568	46	95	14	15	283	240
West North Central	10,579	7,530	40.5%	8,535	5,758	1,489	1,274	85	86	469	413
Iowa	2,177	2,268	-4.0%	1,949	2,079	NM	NM	34	29	194	160
Kansas	1,122	757	48.3%	1,016	660	0	0	0	0	106	97
Minnesota	3,878	2,397	61.8%	2,727	1,525	992	719	22	26	137	126
Missouri	1,833	1,115	64.5%	1,297	515	497	555	28	30	12	14
Nebraska	471	207	127.4%	466	207	0	0	1	0	3	0
North Dakota	522	424	23.1%	519	421	0	0	0	0	3	3
South Dakota	575	362	58.7%	561	350	0	0	0	0	14	12
South Atlantic	93,872	89,749	4.6%	78,726	75,619	13,687	12,673	181	163	1,278	1,294
Delaware	735	764	-3.8%	0	2	512	497	0	0	223	265
District of Columbia	34	23	46.3%	0	0	0	0	34	23	0	0
Florida	42,097	39,858	5.6%	40,051	37,682	1,708	1,775	32	30	306	371
Georgia	13,837	14,113	-2.0%	11,134	11,409	2,454	2,505	0	0	249	199
Maryland	2,583	3,363	-23.2%	505	1,130	1,988	2,151	76	70	15	12
North Carolina	12,396	13,514	-8.3%	10,154	11,250	2,158	2,181	37	31	46	52
South Carolina	5,010	5,372	-6.7%	4,868	5,247	108	89	0	0	34	36
Virginia	16,514	12,263	34.7%	11,975	8,879	4,304	3,175	3	9	232	201
West Virginia	668	480	39.1%	40	21	455	301	0	0	173	158
East South Central	34,238	33,076	3.5%	26,519	23,406	6,783	8,808	55	55	881	807
Alabama	13,480	13,614	-1.0%	6,413	4,508	6,695	8,760	0	0	373	346
Kentucky	3,095	3,396	-8.9%	2,947	3,289	87	47	0	0	61	60
Mississippi	13,456	12,817	5.0%	13,315	12,677	1	2	0	0	140	138
Tennessee	4,206	3,250	29.4%	3,844	2,932	0	0	55	55	307	263
West South Central	91,986	83,935	9.6%	33,016	30,206	42,100	37,121	255	209	16,614	16,398
Arkansas	4,368	5,601	-22.0%	3,994	5,277	314	267	NM	NM	51	47
Louisiana	16,800	15,786	6.4%	9,870	8,852	738	782	26	NM	6,167	6,137
Oklahoma	9,980	8,276	20.6%	6,901	5,404	2,953	2,740	0	-1	126	132
Texas	60,838	54,271	12.1%	12,251	10,672	38,096	33,332	220	186	10,271	10,081
Mountain	29,240	27,860	5.0%	24,006	22,832	4,650	4,546	120	108	464	375
Arizona	9,772	9,029	8.2%	7,416	6,675	2,324	2,329	32	25	0	0
Colorado	4,748	4,494	5.7%	4,079	3,926	628	530	1	0	41	37
Idaho	1,511	1,251	20.8%	947	775	504	433	10	10	50	34
Montana	248	323	-23.3%	202	265	45	57	0	0	NM	NM
Nevada	6,084	5,959	2.1%	5,722	5,607	221	246	15	15	125	91
New Mexico	3,029	3,193	-5.1%	2,096	2,237	905	926	NM	24	5	6
Utah	3,127	3,093	1.1%	3,006	3,003	NM	25	39	33	59	31
Wyoming	721	519	39.0%	538	343	0	0	0	0	183	176
Pacific Contiguous	32,631	33,165	-1.6%	13,597	13,264	16,238	17,232	383	356	2,414	2,313
California	21,197	22,552	-6.0%	6,649	6,979	12,038	13,146	369	344	2,142	2,083
Oregon	6,479	6,019	7.6%	3,391	3,146	3,047	2,834	12	12	29	27
Washington	4,954	4,594	7.9%	3,557	3,139	1,152	1,252	3	0	243	203
Pacific Noncontiguous	909	812	12.0%	892	793	0	0	0	0	17	19
Alaska	909	812	12.0%	892	793	0	0	0	0	17	19
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	421,863	393,861	7.1%	207,574	192,424	187,042	175,217	2,168	1,934	25,079	24,285

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.C. Utility Scale Facility Net Generation from Natural Gas by Technology: Total (All Sectors), 2014-March 2024 (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						
2014	958,947	90,159	74,100	2,921	508	1,126,635
2015	1,131,803	108,655	89,796	3,760	654	1,334,668
2016	1,153,209	123,429	98,204	3,714	715	1,379,271
2017	1,096,212	111,732	84,520	4,370	869	1,297,703
2018	1,233,699	133,823	98,017	5,203	1,101	1,471,843
2019	1,343,576	130,661	106,113	6,655	1,527	1,588,533
2020	1,378,175	131,385	108,699	6,904	1,627	1,626,790
2021	1,339,517	130,987	98,533	8,255	1,899	1,579,190
2022	1,421,927	145,023	109,059	8,808	2,250	1,687,067
2023	1,509,718	162,058	119,745	10,448	94	1,802,062
Year 2022						
January	116,628	10,595	6,918	652	155	134,948
February	100,075	8,174	6,006	553	137	114,945
March	98,525	7,814	5,440	558	139	112,477
April	90,511	8,805	5,507	541	142	105,506
May	105,644	11,956	8,742	610	142	127,094
June	126,835	15,732	12,016	756	179	155,517
July	151,829	19,422	16,583	958	250	189,042
August	155,761	17,838	13,937	1,045	280	188,860
Sept	133,059	12,892	9,909	869	219	156,948
October	114,000	9,862	8,687	743	200	133,492
November	108,068	10,459	8,079	723	194	127,523
December	120,993	11,473	7,234	801	215	140,716
Year 2023						
January	121,763	8,980	6,262	717	4	137,725
February	109,921	7,776	5,602	626	4	123,928
March	114,448	9,995	6,967	793	5	132,207
April	99,883	11,524	8,167	713	6	120,294
May	113,994	13,366	9,618	742	8	137,728
June	132,751	16,075	12,057	934	11	161,827
July	158,974	22,737	17,552	1,279	13	200,554
August	159,367	22,139	17,149	1,322	18	199,995
Sept	137,758	14,441	12,256	942	9	165,406
October	115,904	13,962	10,219	872	7	140,963
November	114,879	11,496	8,100	780	5	135,260
December	130,079	9,568	5,795	729	3	146,174
Year 2024						
January	137,484	13,504	8,535	921	6	160,450
February	114,698	9,305	6,266	717	3	130,990
March	110,578	10,831	8,221	786	6	130,423

Values for 2022 and prior years are final. Values for 2023 and 2024 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, March 2024 and 2023 (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	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	0	0	--	0	0	0	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	NM	40	NM	0	0	0	0	0	0	NM	40
New Jersey	13	11	15.7%	0	0	0	0	0	0	13	11
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	NM	NM	NM	0	0	0	0	0	0	NM	NM
East North Central	187	346	-45.9%	0	0	64	161	0	0	123	185
Illinois	16	15	5.4%	0	0	0	0	0	0	16	15
Indiana	95	161	-40.9%	0	0	0	0	0	0	95	161
Michigan	40	125	-68.1%	0	0	40	125	0	0	0	0
Ohio	NM	44	NM	0	0	NM	NM	0	0	12	9
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	3	2	61.1%	0	0	0	0	0	0	3	2
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	2	61.1%	0	0	0	0	0	0	3	2
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	25	16	60.5%	0	0	0	0	0	0	25	16
Delaware	22	13	75.6%	0	0	0	0	0	0	22	13
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	-44.3%	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	3	3	-2.0%	0	0	0	0	0	0	3	3
East South Central	1	1	3.5%	0	0	0	0	0	0	1	1
Alabama	NM	0	--	0	0	0	0	0	0	NM	0
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	1.5%	0	0	0	0	0	0	1	1
West South Central	327	361	-9.4%	0	0	135	99	0	0	192	262
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	106	162	-34.9%	0	0	0	0	0	0	106	162
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	221	198	11.5%	0	0	135	99	0	0	86	99
Mountain	31	35	-10.7%	0	0	1	1	0	0	30	34
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	1	1	-16.6%	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	1	0	NM	0	0	0	0	0	0	1	0
Wyoming	30	34	-12.1%	0	0	0	0	0	0	30	34
Pacific Contiguous	126	161	-21.7%	0	0	0	0	0	0	126	161
California	126	142	-11.4%	0	0	0	0	0	0	126	142
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	19	-100.0%	0	0	0	0	0	0	0	19
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	723	961	-24.8%	0	0	200	261	0	0	523	700

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 March 2024 and 2023 (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	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 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	115	165	-30.3%	0	0	2	5	0	0	113	160
New Jersey	39	37	6.0%	0	0	1	5	0	0	38	33
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	75	128	-40.9%	0	0	0	0	0	0	75	128
East North Central	899	1,194	-24.7%	0	0	404	525	0	0	495	669
Illinois	50	63	-21.9%	0	0	0	0	0	0	50	63
Indiana	406	589	-31.0%	0	0	0	0	0	0	406	589
Michigan	296	375	-21.0%	0	0	296	375	0	0	0	0
Ohio	147	166	-11.9%	0	0	108	149	0	0	39	17
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	7	6	25.2%	0	0	0	0	0	0	7	6
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	7	6	25.2%	0	0	0	0	0	0	7	6
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	59	51	16.7%	0	0	0	0	0	0	59	51
Delaware	51	41	24.6%	0	0	0	0	0	0	51	41
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	-37.5%	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	8	10	-17.1%	0	0	0	0	0	0	8	10
East South Central	3	3	-6.4%	0	0	0	0	0	0	3	3
Alabama	NM	0	--	0	0	0	0	0	0	NM	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	2	3	-7.1%	0	0	0	0	0	0	2	3
West South Central	950	931	2.1%	0	0	298	253	0	0	652	678
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	383	441	-13.1%	0	0	0	0	0	0	383	441
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	567	490	15.7%	0	0	298	253	0	0	268	237
Mountain	94	97	-2.3%	0	0	2	3	0	0	93	94
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	2	3	-43.0%	0	0	2	3	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	1	0	891.9%	0	0	0	0	0	0	1	0
Wyoming	92	94	-1.9%	0	0	0	0	0	0	92	94
Pacific Contiguous	405	418	-3.1%	0	0	0	0	0	0	405	418
California	364	354	2.9%	0	0	0	0	0	0	364	354
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	41	64	-35.9%	0	0	0	0	0	0	41	64
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	2,532	2,863	-11.6%	0	0	705	785	0	0	1,827	2,078

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, March 2024 and 2023 (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	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	2,496	2,481	0.6%	0	0	2,496	2,481	0	0	0	0
Connecticut	1,568	1,557	0.7%	0	0	1,568	1,557	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	927	925	0.3%	0	0	927	925	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	10,603	10,890	-2.6%	0	0	10,603	10,890	0	0	0	0
New Jersey	2,509	2,575	-2.6%	0	0	2,509	2,575	0	0	0	0
New York	1,715	2,140	-19.8%	0	0	1,715	2,140	0	0	0	0
Pennsylvania	6,379	6,176	3.3%	0	0	6,379	6,176	0	0	0	0
East North Central	11,964	11,548	3.6%	1,968	2,550	9,996	8,998	0	0	0	0
Illinois	8,085	7,752	4.3%	0	0	8,085	7,752	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	1,968	2,550	-22.8%	1,968	2,550	0	0	0	0	0	0
Ohio	1,014	676	50.0%	0	0	1,014	676	0	0	0	0
Wisconsin	897	570	57.4%	0	0	897	570	0	0	0	0
West North Central	3,321	3,563	-6.8%	3,321	3,563	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	785	881	-10.9%	785	881	0	0	0	0	0	0
Minnesota	1,021	1,171	-12.8%	1,021	1,171	0	0	0	0	0	0
Missouri	921	918	0.3%	921	918	0	0	0	0	0	0
Nebraska	594	594	0.0%	594	594	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	17,300	16,140	7.2%	16,062	15,069	1,238	1,071	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	2,229	2,331	-4.3%	2,229	2,331	0	0	0	0	0	0
Georgia	3,681	2,229	65.1%	3,681	2,229	0	0	0	0	0	0
Maryland	1,238	1,071	15.6%	0	0	1,238	1,071	0	0	0	0
North Carolina	3,541	2,762	28.2%	3,541	2,762	0	0	0	0	0	0
South Carolina	4,560	5,004	-8.9%	4,560	5,004	0	0	0	0	0	0
Virginia	2,051	2,744	-25.2%	2,051	2,744	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	6,521	7,529	-13.4%	6,521	7,529	0	0	0	0	0	0
Alabama	3,391	3,431	-1.2%	3,391	3,431	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	42	1,065	-96.1%	42	1,065	0	0	0	0	0	0
Tennessee	3,088	3,034	1.8%	3,088	3,034	0	0	0	0	0	0
West South Central	5,646	5,374	5.1%	2,590	2,084	3,056	3,290	0	0	0	0
Arkansas	1,388	1,365	1.7%	1,388	1,365	0	0	0	0	0	0
Louisiana	1,202	720	67.0%	1,202	720	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3,056	3,290	-7.1%	0	0	3,056	3,290	0	0	0	0
Mountain	2,972	2,916	1.9%	2,972	2,916	0	0	0	0	0	0
Arizona	2,972	2,916	1.9%	2,972	2,916	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	2,523	2,378	6.1%	2,523	2,378	0	0	0	0	0	0
California	1,681	1,541	9.1%	1,681	1,541	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	841	837	0.5%	841	837	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	63,346	62,820	0.8%	35,957	36,091	27,389	26,730	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 March 2024 and 2023 (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	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
New England	7,023	7,134	-1.6%	0	0	7,023	7,134	0	0	0	0
Connecticut	4,298	4,444	-3.3%	0	0	4,298	4,444	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	2,725	2,691	1.3%	0	0	2,725	2,691	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	33,417	33,650	-0.7%	0	0	33,417	33,650	0	0	0	0
New Jersey	7,502	7,637	-1.8%	0	0	7,502	7,637	0	0	0	0
New York	6,472	6,795	-4.8%	0	0	6,472	6,795	0	0	0	0
Pennsylvania	19,443	19,217	1.2%	0	0	19,443	19,217	0	0	0	0
East North Central	38,225	36,356	5.1%	6,587	7,432	31,638	28,924	0	0	0	0
Illinois	24,851	23,912	3.9%	0	0	24,851	23,912	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	6,587	7,432	-11.4%	6,587	7,432	0	0	0	0	0	0
Ohio	4,159	2,746	51.5%	0	0	4,159	2,746	0	0	0	0
Wisconsin	2,629	2,267	16.0%	0	0	2,629	2,267	0	0	0	0
West North Central	8,974	10,617	-15.5%	8,974	10,617	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	2,552	2,537	0.6%	2,552	2,537	0	0	0	0	0	0
Minnesota	2,178	3,679	-40.8%	2,178	3,679	0	0	0	0	0	0
Missouri	2,497	2,673	-6.6%	2,497	2,673	0	0	0	0	0	0
Nebraska	1,747	1,729	1.0%	1,747	1,729	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	53,561	50,067	7.0%	50,272	46,656	3,289	3,412	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	7,463	7,384	1.1%	7,463	7,384	0	0	0	0	0	0
Georgia	10,431	7,368	41.6%	10,431	7,368	0	0	0	0	0	0
Maryland	3,289	3,412	-3.6%	0	0	3,289	3,412	0	0	0	0
North Carolina	10,725	9,401	14.1%	10,725	9,401	0	0	0	0	0	0
South Carolina	14,297	14,551	-1.7%	14,297	14,551	0	0	0	0	0	0
Virginia	7,356	7,951	-7.5%	7,356	7,951	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	22,370	23,491	-4.8%	22,370	23,491	0	0	0	0	0	0
Alabama	10,661	10,727	-0.6%	10,661	10,727	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	1,943	3,097	-37.3%	1,943	3,097	0	0	0	0	0	0
Tennessee	9,766	9,668	1.0%	9,766	9,668	0	0	0	0	0	0
West South Central	17,308	17,489	-1.0%	7,315	6,991	9,994	10,498	0	0	0	0
Arkansas	4,073	3,931	3.6%	4,073	3,931	0	0	0	0	0	0
Louisiana	3,242	3,059	6.0%	3,242	3,059	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	9,994	10,498	-4.8%	0	0	9,994	10,498	0	0	0	0
Mountain	8,696	8,585	1.3%	8,696	8,585	0	0	0	0	0	0
Arizona	8,696	8,585	1.3%	8,696	8,585	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	7,436	7,107	4.6%	7,436	7,107	0	0	0	0	0	0
California	4,933	4,664	5.8%	4,933	4,664	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	2,502	2,443	2.4%	2,502	2,443	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	197,009	194,497	1.3%	111,648	110,879	85,361	83,619	0	0	0	0

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

Table 1.10.A. Utility Scale Facility Net Generation from Hydroelectric (Conventional) Power by State, by Sector, March 2024 and 2023 (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	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	691	638	8.3%	72	66	611	565	0	1	NM	NM
Connecticut	37	33	13.4%	6	3	32	29	0	0	0	0
Maine	309	283	9.4%	NM	NM	301	275	0	0	NM	NM
Massachusetts	90	86	4.8%	23	22	67	63	0	1	0	0
New Hampshire	133	125	6.4%	NM	NM	132	124	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	121	111	8.6%	42	38	79	73	0	0	0	0
Middle Atlantic	2,883	2,670	8.0%	2,173	2,012	703	650	1	1	6	7
New Jersey	2	1	41.8%	0	0	2	1	0	0	0	0
New York	2,591	2,401	7.9%	2,159	2,002	424	391	1	1	6	7
Pennsylvania	291	268	8.5%	13	9	277	258	0	0	0	0
East North Central	331	296	11.9%	287	253	34	31	NM	NM	8	11
Illinois	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Indiana	39	36	8.2%	38	35	0	0	NM	NM	0	0
Michigan	94	81	16.8%	89	76	NM	NM	0	0	NM	NM
Ohio	54	47	14.1%	35	30	19	17	0	0	0	0
Wisconsin	136	125	8.9%	121	108	NM	NM	0	0	7	10
West North Central	806	709	13.6%	786	689	NM	NM	0	0	5	5
Iowa	57	69	-17.5%	56	68	0	1	0	0	0	0
Kansas	1	2	-58.5%	0	0	1	2	0	0	0	0
Minnesota	61	54	13.4%	42	36	NM	NM	0	0	5	5
Missouri	143	135	5.4%	143	135	0	0	0	0	0	0
Nebraska	77	65	19.2%	77	65	0	0	0	0	0	0
North Dakota	132	110	19.8%	132	110	0	0	0	0	0	0
South Dakota	336	275	22.2%	336	275	0	0	0	0	0	0
South Atlantic	1,727	1,581	9.3%	1,232	1,157	438	373	2	1	55	49
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	23	21	9.7%	23	21	0	0	0	0	0	0
Georgia	340	324	4.8%	336	321	NM	NM	0	0	NM	NM
Maryland	297	243	22.5%	0	0	297	243	0	0	0	0
North Carolina	514	473	8.7%	433	399	78	72	2	1	NM	NM
South Carolina	263	252	4.1%	257	246	NM	NM	0	0	0	0
Virginia	125	116	7.9%	112	104	13	NM	0	0	0	0
West Virginia	166	152	9.1%	72	65	42	39	0	0	52	48
East South Central	2,553	2,345	8.8%	2,471	2,270	81	75	0	0	0	0
Alabama	1,132	1,080	4.7%	1,132	1,080	0	0	0	0	0	0
Kentucky	472	389	21.2%	471	388	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	949	875	8.4%	869	802	80	74	0	0	0	0
West South Central	754	729	3.4%	650	636	104	93	NM	NM	0	0
Arkansas	372	361	3.0%	366	358	6	NM	0	0	0	0
Louisiana	94	86	9.5%	0	0	94	86	0	0	0	0
Oklahoma	196	185	6.1%	196	185	0	0	0	0	0	0
Texas	92	97	-5.6%	88	94	4	3	NM	NM	0	0
Mountain	2,195	1,824	20.3%	2,105	1,749	86	72	NM	NM	0	0
Arizona	519	389	33.6%	519	389	0	0	0	0	0	0
Colorado	109	114	-4.1%	94	100	NM	NM	0	0	0	0
Idaho	614	513	19.7%	558	467	56	46	0	0	0	0
Montana	680	578	17.7%	671	570	NM	NM	0	0	0	0
Nevada	148	130	13.9%	142	125	NM	NM	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	52	42	22.9%	48	39	1	1	NM	NM	0	0
Wyoming	59	48	22.8%	59	48	0	0	0	0	0	0
Pacific Contiguous	10,875	9,294	17.0%	10,645	9,096	227	196	NM	NM	0	0
California	3,229	2,835	13.9%	3,038	2,670	188	163	NM	NM	0	0
Oregon	2,513	2,099	19.7%	2,497	2,085	NM	NM	0	0	0	0
Washington	5,133	4,360	17.7%	5,110	4,340	NM	NM	0	0	0	0
Pacific Noncontiguous	131	111	18.0%	108	92	4	3	NM	NM	NM	NM
Alaska	121	102	17.8%	108	91	0	0	NM	NM	0	0
Hawaii	NM	NM	NM	0	1	4	3	0	0	NM	NM
U.S. Total	22,945	20,197	13.6%	20,529	18,020	2,306	2,073	NM	NM	88	85

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

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

by State, by Sector, Year-to-Date through March 2024 and 2023 (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	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
New England	2,054	1,925	6.7%	210	197	1,818	1,704	1	2	25	23
Connecticut	108	99	9.3%	13	10	95	89	0	0	0	0
Maine	908	855	6.2%	NM	NM	883	831	0	0	25	23
Massachusetts	271	259	4.7%	70	67	200	191	1	2	0	0
New Hampshire	407	376	8.1%	NM	NM	403	373	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	357	334	7.1%	124	116	234	218	0	0	0	0
Middle Atlantic	8,445	7,926	6.6%	6,328	5,950	2,097	1,955	1	2	19	19
New Jersey	3	4	-29.7%	0	0	3	4	0	0	0	0
New York	7,570	7,116	6.4%	6,291	5,921	1,259	1,174	1	2	19	19
Pennsylvania	873	806	8.3%	37	29	836	777	0	0	0	0
East North Central	949	951	-0.2%	821	820	100	96	NM	NM	25	31
Illinois	23	24	-7.9%	13	15	NM	NM	0	0	0	0
Indiana	117	109	7.3%	113	105	0	0	NM	NM	0	0
Michigan	265	272	-2.7%	249	256	NM	NM	0	0	NM	NM
Ohio	157	142	10.7%	101	90	56	52	0	0	0	0
Wisconsin	388	403	-3.8%	345	353	NM	22	0	0	23	28
West North Central	2,241	2,178	2.9%	2,180	2,111	45	50	0	0	16	16
Iowa	165	210	-21.2%	164	208	1	2	0	0	0	0
Kansas	2	4	-32.8%	0	0	2	4	0	0	0	0
Minnesota	178	188	-5.2%	120	127	42	44	0	0	16	16
Missouri	432	403	7.1%	432	403	0	0	0	0	0	0
Nebraska	211	206	2.2%	211	206	0	0	0	0	0	0
North Dakota	360	347	3.5%	360	347	0	0	0	0	0	0
South Dakota	893	820	9.0%	893	820	0	0	0	0	0	0
South Atlantic	5,237	4,758	10.1%	3,869	3,543	1,203	1,061	5	4	160	149
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	67	62	6.9%	67	62	0	0	0	0	0	0
Georgia	1,083	1,006	7.6%	1,073	997	NM	NM	0	0	NM	NM
Maryland	784	669	17.2%	0	0	784	669	0	0	0	0
North Carolina	1,602	1,447	10.8%	1,365	1,224	232	218	4	4	NM	NM
South Carolina	827	763	8.4%	807	745	18	17	1	1	0	0
Virginia	385	353	9.1%	347	318	38	35	0	0	0	0
West Virginia	489	457	7.0%	210	196	126	117	0	0	153	144
East South Central	7,628	7,153	6.6%	7,386	6,927	242	226	0	0	0	0
Alabama	3,439	3,272	5.1%	3,439	3,272	0	0	0	0	0	0
Kentucky	1,369	1,250	9.5%	1,364	1,246	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	2,821	2,631	7.2%	2,584	2,409	237	221	0	0	0	0
West South Central	2,330	2,180	6.9%	2,025	1,899	305	281	NM	NM	0	0
Arkansas	1,152	1,076	7.1%	1,135	1,062	17	13	0	0	0	0
Louisiana	276	258	6.9%	0	0	276	258	0	0	0	0
Oklahoma	601	557	7.8%	601	557	0	0	0	0	0	0
Texas	302	290	4.0%	289	280	12	10	NM	NM	0	0
Mountain	5,817	5,506	5.6%	5,577	5,284	232	215	NM	NM	0	0
Arizona	1,395	1,077	29.5%	1,395	1,077	0	0	0	0	0	0
Colorado	273	312	-12.5%	231	272	40	38	1	1	0	0
Idaho	1,676	1,626	3.0%	1,526	1,490	149	136	0	0	0	0
Montana	1,894	1,921	-1.4%	1,870	1,896	NM	24	0	0	0	0
Nevada	255	283	-9.8%	240	271	15	12	0	0	0	0
New Mexico	31	23	34.5%	31	23	0	0	0	0	0	0
Utah	138	123	12.0%	126	112	4	4	NM	NM	0	0
Wyoming	157	142	10.5%	157	142	0	0	0	0	0	0
Pacific Contiguous	28,721	28,226	1.8%	28,178	27,727	535	493	NM	NM	0	0
California	7,383	6,675	10.6%	6,949	6,282	426	387	NM	NM	0	0
Oregon	6,976	6,780	2.9%	6,932	6,738	44	42	0	0	0	0
Washington	14,362	14,771	-2.8%	14,297	14,708	65	64	0	0	0	0
Pacific Noncontiguous	356	362	-1.6%	299	301	5	8	36	38	NM	NM
Alaska	335	338	-0.7%	299	300	0	0	36	38	0	0
Hawaii	NM	24	NM	0	1	5	8	0	0	NM	NM
U.S. Total	63,779	61,165	4.3%	56,873	54,761	6,581	6,089	64	62	261	253

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 1.11.A. Utility Scale Facility Net Generation from Renewable Sources Excluding Hydroelectric by State, by Sector, March 2024 and 2023 (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	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	1,126	1,066	5.6%	50	62	979	897	39	48	57	60
Connecticut	67	69	-3.4%	0	0	66	68	NM	NM	NM	NM
Maine	495	453	9.4%	0	0	439	393	0	1	56	59
Massachusetts	264	270	-2.3%	12	12	216	215	35	42	NM	NM
New Hampshire	121	107	13.9%	0	0	119	103	3	4	0	0
Rhode Island	95	78	21.9%	0	0	94	77	1	1	0	0
Vermont	83	89	-7.1%	38	50	45	40	0	0	0	0
Middle Atlantic	1,812	1,618	12.0%	38	39	1,604	1,431	120	99	50	49
New Jersey	207	199	4.2%	11	10	150	148	46	41	NM	NM
New York	1,006	876	14.9%	27	30	910	793	55	39	15	14
Pennsylvania	599	544	10.1%	0	0	544	490	19	19	35	35
East North Central	7,063	5,975	18.2%	1,108	763	5,846	5,106	12	12	97	94
Illinois	3,175	2,717	16.8%	8	10	3,166	2,706	NM	NM	0	0
Indiana	1,371	1,313	4.4%	134	62	1,233	1,247	0	0	4	4
Michigan	1,395	1,142	22.1%	646	472	696	622	4	4	48	44
Ohio	618	443	39.5%	NM	NM	595	418	1	2	20	22
Wisconsin	504	358	40.7%	318	217	156	112	6	5	25	24
West North Central	15,032	13,484	11.5%	5,656	5,022	9,282	8,373	12	16	83	74
Iowa	5,154	4,459	15.6%	3,702	3,194	1,444	1,259	1	1	7	4
Kansas	3,105	2,845	9.1%	294	271	2,808	2,571	NM	NM	NM	NM
Minnesota	1,934	1,679	15.2%	586	492	1,272	1,113	5	6	72	67
Missouri	893	851	4.9%	385	366	504	480	3	5	0	0
Nebraska	1,339	1,241	7.9%	16	17	1,322	1,223	1	2	0	0
North Dakota	1,440	1,487	-3.2%	516	532	923	955	0	0	0	0
South Dakota	1,167	922	26.6%	157	149	1,008	771	0	0	NM	NM
South Atlantic	5,699	5,351	6.5%	1,743	1,616	3,158	2,922	67	79	731	735
Delaware	20	21	-4.8%	NM	NM	18	18	NM	1	NM	NM
District of Columbia	7	8	-1.5%	NM	NM	NM	NM	5	5	0	0
Florida	1,721	1,585	8.6%	1,415	1,235	172	175	19	28	115	146
Georgia	1,123	1,051	6.8%	26	48	804	720	NM	NM	292	283
Maryland	185	164	12.8%	NM	NM	182	161	NM	2	0	0
North Carolina	1,181	1,148	2.9%	67	67	1,023	993	9	9	82	79
South Carolina	415	391	6.2%	NM	5	278	264	0	0	133	122
Virginia	770	737	4.5%	226	259	405	341	31	33	108	104
West Virginia	275	246	11.9%	NM	0	272	246	0	0	0	0
East South Central	694	661	5.0%	26	30	261	227	NM	NM	406	403
Alabama	357	341	4.5%	NM	2	97	97	0	0	258	242
Kentucky	49	49	-0.9%	10	12	10	10	NM	NM	28	27
Mississippi	169	162	3.9%	14	16	51	36	0	0	104	110
Tennessee	120	108	11.0%	NM	NM	103	83	NM	NM	17	24
West South Central	18,744	18,684	0.3%	260	300	18,165	18,071	15	6	304	307
Arkansas	219	121	81.3%	21	20	124	38	2	1	73	61
Louisiana	209	190	10.5%	3	3	60	26	0	0	146	160
Oklahoma	3,808	4,066	-6.3%	216	254	3,572	3,791	0	-1	20	22
Texas	14,507	14,307	1.4%	21	22	14,408	14,215	14	6	65	64
Mountain	8,250	7,439	10.9%	1,468	1,411	6,733	5,979	11	12	38	37
Arizona	961	717	34.0%	54	43	903	670	NM	NM	NM	NM
Colorado	2,030	1,753	15.8%	414	391	1,612	1,361	NM	NM	NM	0
Idaho	372	366	1.6%	38	36	300	295	2	2	31	32
Montana	453	386	17.4%	82	97	371	287	0	0	1	2
Nevada	1,213	1,099	10.3%	13	15	1,194	1,079	4	4	NM	NM
New Mexico	1,802	1,780	1.2%	298	301	1,504	1,479	NM	NM	0	0
Utah	481	412	16.9%	NM	23	459	387	1	1	NM	0
Wyoming	939	926	1.4%	548	505	391	420	0	0	0	0
Pacific Contiguous	7,929	7,646	3.7%	648	697	7,018	6,671	79	79	184	200
California	5,978	5,606	6.6%	125	119	5,699	5,337	75	75	79	75
Oregon	1,010	1,054	-4.1%	113	135	848	870	3	2	46	46
Washington	940	986	-4.6%	410	443	470	464	NM	NM	58	78
Pacific Noncontiguous	178	151	17.9%	16	16	145	119	18	15	0	0
Alaska	19	18	7.9%	9	9	NM	NM	3	3	0	0
Hawaii	159	133	19.2%	7	8	138	113	14	12	0	0
U.S. Total	66,526	62,075	7.2%	11,013	9,956	53,190	49,794	374	365	1,949	1,959

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 1.11.B. Utility Scale Facility Net Generation from Renewable Sources Excluding Hydroelectric

by State, by Sector, Year-to-Date through March 2024 and 2023 (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	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
New England	3,036	2,900	4.7%	159	171	2,588	2,412	126	137	163	180
Connecticut	192	191	0.3%	0	0	189	189	NM	NM	NM	NM
Maine	1,334	1,270	5.1%	0	0	1,174	1,091	1	3	159	176
Massachusetts	692	687	0.7%	31	30	547	534	112	121	NM	NM
New Hampshire	337	303	11.3%	0	0	327	293	10	10	0	0
Rhode Island	241	204	18.0%	0	0	239	202	2	2	0	0
Vermont	241	245	-1.8%	128	142	112	103	1	0	0	0
Middle Atlantic	4,715	4,340	8.6%	103	83	4,134	3,835	332	280	146	142
New Jersey	530	486	9.0%	26	23	379	363	124	100	NM	NM
New York	2,616	2,316	12.9%	77	60	2,341	2,087	152	128	45	40
Pennsylvania	1,569	1,538	2.0%	0	0	1,414	1,385	56	52	100	101
East North Central	17,943	16,237	10.5%	2,747	2,146	14,885	13,755	34	37	277	299
Illinois	8,014	7,265	10.3%	26	29	7,986	7,234	NM	NM	0	0
Indiana	3,510	3,511	0.0%	314	159	3,183	3,340	0	0	12	12
Michigan	3,624	3,280	10.5%	1,620	1,370	1,849	1,757	12	12	142	141
Ohio	1,541	1,209	27.4%	NM	NM	1,484	1,129	3	4	51	73
Wisconsin	1,255	972	29.1%	783	585	383	295	16	19	72	73
West North Central	38,156	38,011	0.4%	14,219	14,264	23,668	23,502	48	49	220	196
Iowa	12,749	12,596	1.2%	9,172	9,098	3,557	3,478	3	4	18	15
Kansas	8,012	7,734	3.6%	765	726	7,240	7,000	NM	NM	NM	NM
Minnesota	4,950	4,899	1.0%	1,472	1,481	3,260	3,223	26	25	192	170
Missouri	2,218	2,281	-2.8%	955	979	1,249	1,290	12	12	1	1
Nebraska	3,320	3,591	-7.5%	45	50	3,272	3,537	3	5	0	0
North Dakota	3,912	4,215	-7.2%	1,403	1,497	2,508	2,718	0	0	0	0
South Dakota	2,996	2,696	11.1%	407	434	2,582	2,256	0	0	6	6
South Atlantic	14,851	13,873	7.1%	4,487	4,080	7,965	7,342	238	250	2,162	2,202
Delaware	48	50	-2.9%	NM	NM	41	42	NM	2	5	5
District of Columbia	21	20	2.7%	NM	NM	5	5	15	15	0	0
Florida	4,466	4,127	8.2%	3,532	3,118	478	506	99	109	357	395
Georgia	3,057	2,820	8.4%	114	133	2,081	1,828	NM	NM	861	859
Maryland	470	431	9.2%	NM	NM	465	423	4	6	0	0
North Carolina	2,987	2,796	6.8%	162	148	2,559	2,366	22	22	244	260
South Carolina	1,085	1,030	5.4%	14	16	682	632	0	0	389	382
Virginia	2,031	1,851	9.7%	653	662	975	792	97	96	306	301
West Virginia	686	748	-8.3%	7	0	679	748	0	0	0	0
East South Central	1,948	1,804	8.0%	64	70	628	467	NM	NM	1,253	1,266
Alabama	1,020	968	5.4%	5	5	237	188	0	0	779	775
Kentucky	137	137	0.5%	28	31	23	22	NM	NM	87	83
Mississippi	471	446	5.6%	31	33	135	87	0	0	304	326
Tennessee	319	253	25.9%	NM	NM	234	170	NM	NM	84	82
West South Central	51,657	52,284	-1.2%	724	821	49,964	50,503	42	17	926	944
Arkansas	522	331	57.6%	47	46	270	90	3	3	202	192
Louisiana	619	562	10.0%	8	8	151	68	0	0	459	487
Oklahoma	10,353	11,214	-7.7%	577	674	9,702	10,469	0	-2	74	73
Texas	40,163	40,177	0.0%	92	93	39,841	39,875	40	16	190	192
Mountain	22,093	21,128	4.6%	4,023	4,215	17,950	16,779	30	29	90	105
Arizona	2,346	1,855	26.5%	131	106	2,205	1,739	5	5	5	5
Colorado	5,320	4,894	8.7%	1,097	1,129	4,217	3,761	4	3	NM	1
Idaho	953	1,005	-5.2%	90	94	779	811	7	7	76	93
Montana	1,538	1,422	8.2%	266	319	1,269	1,098	0	0	3	5
Nevada	3,052	2,974	2.6%	31	35	3,009	2,928	10	9	2	2
New Mexico	4,997	5,056	-1.2%	831	876	4,166	4,179	NM	NM	0	0
Utah	1,169	1,078	8.4%	67	76	1,098	998	3	4	NM	0
Wyoming	2,718	2,845	-4.5%	1,510	1,579	1,208	1,266	0	0	0	0
Pacific Contiguous	20,766	20,869	-0.5%	1,701	1,955	18,300	18,091	226	225	540	599
California	15,583	15,196	2.6%	300	379	14,848	14,384	215	215	220	218
Oregon	2,687	2,918	-7.9%	313	362	2,223	2,406	8	7	143	143
Washington	2,496	2,756	-9.4%	1,088	1,214	1,228	1,301	3	3	177	238
Pacific Noncontiguous	480	466	2.9%	42	46	392	372	45	48	0	0
Alaska	52	51	2.1%	23	25	18	16	11	10	0	0
Hawaii	428	416	3.0%	19	22	374	356	35	38	0	0
U.S. Total	175,644	171,913	2.2%	28,270	27,851	140,474	137,058	1,124	1,074	5,776	5,931

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

Table 1.12.A. Utility Scale Facility Net Generation from Hydroelectric (Pumped Storage) Power by State, by Sector, March 2024 and 2023 (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	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	-45	-50	-10.2%	0	0	-45	-50	0	0	0	0
Connecticut	-3	-10	-67.1%	0	0	-3	-10	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-42	-40	3.5%	0	0	-42	-40	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	-112	-102	9.5%	-28	-30	-83	-72	0	0	0	0
New Jersey	-16	-9	80.1%	0	0	-16	-9	0	0	0	0
New York	-28	-30	-7.1%	-28	-30	0	0	0	0	0	0
Pennsylvania	-68	-63	7.7%	0	0	-68	-63	0	0	0	0
East North Central	-58	-65	-10.6%	-58	-65	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	-58	-65	-10.6%	-58	-65	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	8	19	-58.8%	8	19	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	8	19	-58.8%	8	19	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	-96	-151	-36.3%	-96	-151	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	-9	-21	-54.4%	-9	-21	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	3	-48	-106.3%	3	-48	0	0	0	0	0	0
Virginia	-90	-82	9.3%	-90	-82	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-34	-34	0.2%	-34	-34	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	-34	-34	0.2%	-34	-34	0	0	0	0	0	0
West South Central	0	18	-100.1%	0	18	0	0	0	0	0	0
Arkansas	4	23	-81.5%	4	23	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-4	-5	-13.2%	-4	-5	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	-2	12	-116.4%	-2	12	0	0	0	0	0	0
Arizona	-16	13	-223.5%	-16	13	0	0	0	0	0	0
Colorado	14	-1	NM	14	-1	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	-3	-158	-98.3%	-3	-158	0	0	0	0	0	0
California	-2	-157	-98.6%	-2	-157	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	-1	-1	-15.8%	-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	-342	-511	-33.1%	-213	-389	-128	-122	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 March 2024 and 2023 (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	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
New England	-111	-112	-0.6%	0	0	-111	-112	0	0	0	0
Connecticut	5	-3	-300.4%	0	0	5	-3	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-117	-110	6.3%	0	0	-117	-110	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	-347	-272	27.2%	-83	-61	-263	-211	0	0	0	0
New Jersey	-46	-23	100.8%	0	0	-46	-23	0	0	0	0
New York	-83	-61	36.0%	-83	-61	0	0	0	0	0	0
Pennsylvania	-217	-188	15.4%	0	0	-217	-188	0	0	0	0
East North Central	-153	-171	-10.5%	-153	-171	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	-153	-171	-10.5%	-153	-171	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	17	24	-29.4%	17	24	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	17	24	-29.4%	17	24	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	-419	-465	-9.9%	-419	-465	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	-100	-57	74.3%	-100	-57	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	-16	-176	-91.1%	-16	-176	0	0	0	0	0	0
Virginia	-303	-231	30.9%	-303	-231	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-86	-111	-22.2%	-86	-111	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	-86	-111	-22.2%	-86	-111	0	0	0	0	0	0
West South Central	23	42	-44.4%	23	42	0	0	0	0	0	0
Arkansas	37	57	-34.3%	37	57	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-14	-15	-6.2%	-14	-15	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	20	-8	-344.1%	20	-8	0	0	0	0	0	0
Arizona	-21	9	-344.2%	-21	9	0	0	0	0	0	0
Colorado	41	-17	-344.2%	41	-17	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	-93	-497	-81.3%	-93	-497	0	0	0	0	0	0
California	-98	-495	-80.3%	-98	-495	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	5	-2	-363.2%	5	-2	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	-1,149	-1,570	-26.8%	-774	-1,247	-375	-323	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, March 2024 and 2023 (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	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	131	146	-10.6%	0	1	82	88	36	46	12	12
Connecticut	28	36	-22.7%	0	0	28	36	0	0	0	0
Maine	29	26	15.4%	0	0	17	12	1	2	12	12
Massachusetts	68	79	-14.1%	0	0	32	35	36	44	0	0
New Hampshire	5	5	2.7%	0	0	5	5	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	1	-33.5%	0	1	0	0	0	0	0	0
Middle Atlantic	215	188	14.2%	0	0	88	89	122	99	5	0
New Jersey	54	44	25.0%	0	0	11	10	39	34	5	0
New York	85	67	27.8%	0	0	20	20	65	47	0	0
Pennsylvania	75	78	-3.4%	0	0	57	59	18	19	0	0
East North Central	60	70	-15.1%	NM	1	3	8	5	5	51	57
Illinois	22	24	-5.3%	0	0	-1	0	0	0	23	24
Indiana	27	32	-14.4%	0	0	0	0	0	0	27	32
Michigan	9	13	-29.3%	0	0	NM	8	5	5	0	0
Ohio	0	1	-52.5%	0	0	0	0	0	0	0	1
Wisconsin	NM	1	NM	NM	1	0	0	0	0	0	0
West North Central	18	25	-29.5%	7	10	7	13	NM	3	0	0
Iowa	0	0	-100.0%	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	16	25	-33.2%	6	9	7	13	NM	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	NM	NM	NM	NM	NM	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	247	284	-13.2%	-2	-2	92	100	58	72	98	114
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	153	192	-20.2%	-2	-2	66	76	21	32	68	85
Georgia	6	6	-5.3%	0	0	0	0	0	0	6	6
Maryland	27	25	10.7%	0	0	27	25	0	0	0	0
North Carolina	20	21	-5.6%	0	0	0	0	0	0	20	21
South Carolina	5	2	120.7%	0	0	1	1	0	0	4	1
Virginia	37	39	-6.6%	0	0	0	0	37	39	0	0
West Virginia	-1	-1	-25.1%	0	0	-1	-1	0	0	0	0
East South Central	0	3	-97.7%	0	3	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	3	-100.0%	0	3	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	122.2%	0	0	0	0	0	0	0	0
West South Central	20	51	-60.6%	0	1	-8	1	0	-1	28	50
Arkansas	1	1	92.4%	0	0	0	0	0	0	1	1
Louisiana	5	19	-72.9%	0	0	0	0	0	0	5	19
Oklahoma	0	0	242.8%	0	1	0	0	0	-1	0	0
Texas	14	32	-56.0%	0	0	-8	1	0	0	22	31
Mountain	37	47	-22.1%	3	6	5	13	0	0	29	27
Arizona	-5	-1	569.2%	0	0	-5	0	0	0	0	0
Colorado	1	4	-85.1%	0	0	-4	0	0	0	4	4
Idaho	6	5	17.2%	0	0	0	0	0	0	6	5
Montana	19	16	20.9%	0	0	19	16	0	0	0	0
Nevada	-4	0	NM	0	3	-4	-2	0	0	0	0
New Mexico	-2	0	NM	0	0	-2	0	0	0	0	0
Utah	15	15	-5.8%	NM	4	0	0	0	0	11	11
Wyoming	8	7	12.5%	0	0	0	0	0	0	8	7
Pacific Contiguous	-49	-15	214.9%	-3	-3	-69	-34	2	5	21	17
California	-58	-25	134.7%	-3	-3	-78	-43	2	5	21	17
Oregon	2	3	-28.6%	0	0	2	3	0	0	0	0
Washington	7	6	9.3%	0	0	7	6	0	0	0	0
Pacific Noncontiguous	15	14	5.1%	0	0	-2	0	17	14	0	0
Alaska	0	0	30.1%	0	0	0	0	0	0	0	0
Hawaii	15	14	5.4%	0	0	-2	0	17	14	0	0
U.S. Total	693	814	-14.9%	6	17	199	278	244	241	244	277

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

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

by State, by Sector, Year-to-Date through March 2024 and 2023 (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	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
New England	419	427	-1.9%	1	1	261	258	121	133	37	35
Connecticut	98	107	-7.7%	0	0	98	107	0	0	0	0
Maine	83	72	15.4%	0	0	45	33	2	3	37	35
Massachusetts	224	235	-4.5%	0	0	105	105	119	130	0	0
New Hampshire	12	12	-1.4%	0	0	12	12	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	1	1	-40.7%	1	1	0	0	0	0	0	0
Middle Atlantic	616	539	14.2%	0	0	255	250	345	290	16	0
New Jersey	158	115	37.2%	0	0	32	30	111	85	16	0
New York	235	206	14.0%	0	0	53	53	182	153	0	0
Pennsylvania	222	218	2.1%	0	0	170	166	52	51	0	0
East North Central	190	214	-11.4%	4	5	13	21	15	14	157	175
Illinois	59	67	-12.3%	0	0	-1	-3	0	0	60	69
Indiana	96	102	-5.6%	0	0	0	0	0	0	96	102
Michigan	30	37	-20.4%	0	0	15	23	15	14	0	0
Ohio	1	3	-71.4%	0	0	0	0	0	0	1	3
Wisconsin	4	5	-12.3%	4	5	0	0	0	0	0	0
West North Central	67	70	-4.0%	25	28	33	34	8	9	1	0
Iowa	0	0	-100.0%	0	0	0	0	0	0	0	0
Kansas	1	0	--	0	0	0	0	0	0	1	0
Minnesota	63	68	-7.2%	22	25	33	34	8	9	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	NM	2	NM	NM	2	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	815	885	-7.9%	-8	-8	277	319	231	242	315	331
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	526	624	-15.8%	-8	-8	197	251	115	128	222	253
Georgia	18	15	21.6%	0	0	1	-2	0	0	18	17
Maryland	80	71	12.0%	0	0	80	71	0	0	0	0
North Carolina	63	55	15.5%	0	0	0	0	0	0	63	55
South Carolina	14	8	73.7%	0	0	2	2	0	0	12	6
Virginia	116	115	1.0%	0	0	0	0	116	115	0	0
West Virginia	-3	-3	-23.4%	0	0	-3	-3	0	0	0	0
East South Central	10	16	-35.5%	10	16	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	10	16	-35.9%	10	16	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	-8.9%	0	0	0	0	0	0	0	0
West South Central	55	160	-65.5%	4	2	-34	0	-1	-3	86	161
Arkansas	2	2	38.5%	0	0	0	0	0	0	2	2
Louisiana	20	64	-68.7%	0	0	0	0	0	0	20	64
Oklahoma	4	-1	-636.9%	4	2	0	0	0	-3	0	0
Texas	29	96	-69.2%	0	0	-34	0	0	0	63	96
Mountain	115	145	-20.7%	13	19	23	42	0	0	78	83
Arizona	-19	-3	548.4%	-1	-1	-18	-2	0	0	0	0
Colorado	2	10	-80.7%	0	0	-10	0	0	0	12	11
Idaho	18	17	8.0%	0	0	0	0	0	0	18	17
Montana	68	50	36.4%	0	0	68	50	0	0	0	0
Nevada	-8	3	-390.0%	3	8	-11	-5	0	0	0	0
New Mexico	-6	0	NM	0	0	-6	0	0	0	0	0
Utah	38	46	-17.9%	12	13	0	0	0	0	26	33
Wyoming	23	22	4.6%	0	0	0	0	0	0	23	22
Pacific Contiguous	-110	-6	NM	-10	-7	-176	-79	9	13	68	67
California	-133	-31	326.0%	-10	-7	-200	-104	9	13	68	67
Oregon	4	8	-47.8%	0	0	4	8	0	0	0	0
Washington	19	17	13.8%	0	0	19	17	0	0	0	0
Pacific Noncontiguous	36	45	-21.5%	-1	-1	-5	0	41	46	0	0
Alaska	-1	-1	7.6%	-1	-1	0	0	0	0	0	0
Hawaii	36	46	-21.1%	0	0	-5	0	41	46	0	0
U.S. Total	2,213	2,496	-11.3%	38	55	648	845	769	744	758	853

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

Table 1.14.A. Utility Scale Facility Net Generation from Wind by State, by Sector, March 2024 and 2023 (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	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	416	411	1.2%	24	23	389	384	3	3	NM	NM
Connecticut	1	1	-1.1%	0	0	1	1	0	0	0	0
Maine	284	274	3.8%	0	0	284	274	0	0	0	0
Massachusetts	20	24	-14.4%	4	5	13	16	2	3	NM	NM
New Hampshire	50	55	-8.0%	0	0	50	55	0	0	0	0
Rhode Island	21	20	5.2%	0	0	20	19	1	1	0	0
Vermont	40	38	3.5%	19	18	20	20	0	0	0	0
Middle Atlantic	1,019	908	12.1%	27	30	991	879	NM	NM	NM	NM
New Jersey	2	2	12.5%	0	0	2	2	0	0	0	0
New York	630	533	18.2%	27	30	603	503	NM	NM	NM	NM
Pennsylvania	386	373	3.5%	0	0	386	373	0	0	0	0
East North Central	5,806	5,118	13.5%	772	576	5,020	4,528	NM	NM	11	11
Illinois	2,946	2,558	15.2%	NM	NM	2,944	2,556	NM	NM	0	0
Indiana	1,167	1,173	-0.5%	0	0	1,167	1,173	0	0	0	0
Michigan	1,105	865	27.7%	640	465	466	400	0	0	0	0
Ohio	352	348	1.0%	NM	NM	341	337	0	0	10	10
Wisconsin	236	173	36.5%	130	108	102	62	NM	NM	1	1
West North Central	14,621	13,107	11.6%	5,596	4,969	9,020	8,132	NM	NM	NM	NM
Iowa	5,089	4,403	15.6%	3,672	3,168	1,416	1,234	0	1	0	0
Kansas	3,093	2,834	9.1%	292	270	2,799	2,561	NM	NM	NM	NM
Minnesota	1,650	1,409	17.1%	567	478	1,080	928	NM	NM	0	0
Missouri	870	826	5.3%	380	361	489	465	0	0	0	0
Nebraska	1,327	1,228	8.1%	10	11	1,316	1,217	0	0	0	0
North Dakota	1,440	1,487	-3.2%	516	532	923	955	0	0	0	0
South Dakota	1,153	920	25.3%	157	149	996	771	0	0	0	0
South Atlantic	394	371	6.3%	6	6	388	365	0	1	0	0
Delaware	0	1	-69.1%	0	0	0	0	0	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	68	60	13.7%	0	0	68	60	0	0	0	0
North Carolina	61	60	3.1%	0	0	61	60	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	6	6	6.4%	6	6	0	0	0	0	0	0
West Virginia	259	245	5.5%	0	0	259	245	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	15,432	16,426	-6.0%	229	270	15,202	16,151	NM	5	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	3,780	4,038	-6.4%	209	249	3,571	3,789	0	0	0	0
Texas	11,652	12,388	-5.9%	19	21	11,631	12,362	NM	5	0	0
Mountain	5,069	4,991	1.6%	1,324	1,278	3,745	3,713	NM	NM	0	0
Arizona	221	180	22.2%	0	0	221	180	0	0	0	0
Colorado	1,600	1,523	5.1%	413	390	1,187	1,133	0	0	0	0
Idaho	258	262	-1.7%	17	16	241	246	0	0	0	0
Montana	424	369	15.1%	81	96	343	272	0	0	0	0
Nevada	39	37	5.3%	0	0	39	37	0	0	0	0
New Mexico	1,521	1,623	-6.3%	265	270	1,256	1,353	NM	NM	0	0
Utah	81	87	-6.8%	0	0	81	87	0	0	0	0
Wyoming	925	910	1.7%	548	505	377	404	0	0	0	0
Pacific Contiguous	3,035	3,191	-4.9%	543	601	2,491	2,589	1	1	0	0
California	1,464	1,507	-2.9%	46	47	1,417	1,459	1	1	0	0
Oregon	760	839	-9.4%	108	129	652	709	0	0	0	0
Washington	811	845	-4.0%	389	424	423	421	0	0	0	0
Pacific Noncontiguous	83	53	56.0%	9	9	74	45	0	0	0	0
Alaska	15	14	1.9%	9	9	NM	NM	0	0	0	0
Hawaii	69	39	75.9%	0	0	69	39	0	0	0	0
U.S. Total	45,879	44,580	2.9%	8,529	7,759	37,323	36,789	14	19	14	13

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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 1.14.B. Utility Scale Facility Net Generation from Wind

by State, by Sector, Year-to-Date through March 2024 and 2023 (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	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
New England	1,109	1,069	3.7%	57	51	1,043	1,007	7	9	NM	NM
Connecticut	4	3	13.1%	0	0	4	3	0	0	0	0
Maine	771	754	2.2%	0	0	771	754	0	0	0	0
Massachusetts	48	60	-20.1%	13	13	28	39	6	7	NM	NM
New Hampshire	136	112	21.8%	0	0	136	112	0	0	0	0
Rhode Island	58	56	2.3%	0	0	56	54	2	2	0	0
Vermont	93	84	10.6%	44	39	49	45	0	0	0	0
Middle Atlantic	2,667	2,504	6.5%	77	60	2,588	2,443	NM	NM	NM	NM
New Jersey	6	6	-4.0%	0	0	6	6	0	0	0	0
New York	1,661	1,433	15.9%	77	60	1,582	1,371	NM	NM	NM	NM
Pennsylvania	1,000	1,065	-6.1%	0	0	1,000	1,065	0	0	0	0
East North Central	14,829	14,032	5.7%	1,933	1,676	12,859	12,316	8	9	29	30
Illinois	7,479	6,878	8.7%	4	4	7,474	6,872	NM	NM	0	0
Indiana	3,022	3,182	-5.0%	0	0	3,022	3,182	0	0	0	0
Michigan	2,823	2,515	12.2%	1,607	1,356	1,216	1,158	0	0	0	0
Ohio	928	966	-3.9%	NM	NM	899	934	0	1	27	28
Wisconsin	578	492	17.4%	321	313	248	170	7	7	2	2
West North Central	37,102	37,062	0.1%	14,070	14,130	23,016	22,914	13	14	NM	NM
Iowa	12,595	12,454	1.1%	9,107	9,036	3,487	3,417	1	1	0	0
Kansas	7,982	7,704	3.6%	761	723	7,213	6,972	NM	NM	NM	NM
Minnesota	4,216	4,230	-0.3%	1,420	1,444	2,789	2,777	8	9	0	0
Missouri	2,155	2,217	-2.8%	943	965	1,211	1,251	0	0	0	0
Nebraska	3,286	3,553	-7.5%	28	30	3,258	3,523	0	0	0	0
North Dakota	3,912	4,215	-7.2%	1,403	1,497	2,508	2,718	0	0	0	0
South Dakota	2,957	2,689	9.9%	407	434	2,549	2,255	0	0	0	0
South Atlantic	1,029	1,110	-7.2%	16	16	1,013	1,093	0	1	0	0
Delaware	0	1	-67.5%	0	0	0	0	0	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	184	177	4.0%	0	0	184	177	0	0	0	0
North Carolina	166	171	-2.8%	0	0	166	171	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	16	16	1.0%	16	16	0	0	0	0	0	0
West Virginia	663	745	-11.0%	0	0	663	745	0	0	0	0
East South Central	NM	8	NM	0	0	NM	8	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	8	NM	0	0	NM	8	0	0	0	0
West South Central	43,187	46,503	-7.1%	616	719	42,568	45,769	NM	15	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	10,260	11,125	-7.8%	563	660	9,697	10,465	0	0	0	0
Texas	32,927	35,378	-6.9%	54	59	32,871	35,305	NM	15	0	0
Mountain	14,255	14,745	-3.3%	3,663	3,867	10,590	10,876	NM	NM	1	1
Arizona	542	485	11.9%	0	0	542	485	0	0	0	0
Colorado	4,252	4,320	-1.6%	1,095	1,127	3,156	3,193	0	0	1	1
Idaho	690	733	-5.8%	44	46	647	687	0	0	0	0
Montana	1,475	1,397	5.6%	264	317	1,211	1,080	0	0	0	0
Nevada	92	104	-11.2%	0	0	92	104	0	0	0	0
New Mexico	4,298	4,659	-7.7%	751	799	3,547	3,860	NM	NM	0	0
Utah	218	235	-7.1%	0	0	218	235	0	0	0	0
Wyoming	2,687	2,813	-4.5%	1,510	1,579	1,177	1,233	0	0	0	0
Pacific Contiguous	8,091	8,767	-7.7%	1,420	1,630	6,669	7,134	2	2	1	1
California	3,866	4,084	-5.3%	99	138	3,764	3,943	2	2	1	1
Oregon	2,067	2,332	-11.4%	298	346	1,769	1,986	0	0	0	0
Washington	2,157	2,351	-8.2%	1,022	1,146	1,135	1,205	0	0	0	0
Pacific Noncontiguous	205	175	16.6%	23	24	182	151	0	0	0	0
Alaska	38	41	-5.5%	23	24	15	16	0	0	0	0
Hawaii	166	135	23.3%	0	0	166	135	0	0	0	0
U.S. Total	122,480	125,976	-2.8%	21,875	22,174	100,534	103,711	35	53	36	37

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

Table 1.15.A. Utility Scale Facility Net Generation from Biomass by State, by Sector, March 2024 and 2023 (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	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	344	356	-3.3%	14	27	239	227	35	43	56	59
Connecticut	24	30	-22.1%	0	0	24	30	0	0	0	0
Maine	137	136	0.0%	0	0	80	76	0	1	56	59
Massachusetts	66	80	-17.6%	0	0	34	42	32	38	0	0
New Hampshire	71	NM	NM	0	0	68	NM	3	4	0	0
Rhode Island	21	21	-2.0%	0	0	21	21	0	0	0	0
Vermont	26	36	-27.0%	14	27	NM	NM	0	0	0	0
Middle Atlantic	319	343	-6.9%	0	0	167	212	104	84	48	47
New Jersey	56	59	-5.5%	0	0	23	31	32	28	0	0
New York	130	143	-8.8%	0	0	63	92	54	38	14	13
Pennsylvania	133	141	-5.5%	0	0	80	89	18	18	34	34
East North Central	273	349	-22.0%	30	75	149	184	8	7	86	83
Illinois	20	25	-18.1%	NM	9	14	16	0	0	0	0
Indiana	29	32	-9.6%	20	23	4	5	0	0	4	4
Michigan	152	176	-13.9%	0	0	99	128	4	4	48	44
Ohio	20	23	-16.6%	0	0	9	11	1	1	9	12
Wisconsin	52	93	-43.8%	NM	43	23	24	3	3	24	23
West North Central	138	151	-8.5%	16	22	40	44	7	11	74	73
Iowa	19	16	14.7%	NM	3	8	9	1	1	7	4
Kansas	NM	5	NM	0	0	NM	5	0	0	0	0
Minnesota	98	108	-9.7%	7	11	25	27	2	3	64	67
Missouri	8	11	-26.8%	NM	NM	NM	3	3	5	0	0
Nebraska	6	7	-14.9%	NM	6	0	0	1	2	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	1,266	1,325	-4.5%	49	88	432	437	54	66	730	734
Delaware	NM	7	NM	0	0	NM	5	0	0	NM	NM
District of Columbia	5	5	-6.1%	0	0	0	0	5	5	0	0
Florida	218	284	-23.2%	6	18	80	92	19	27	114	146
Georgia	461	423	9.0%	0	0	169	140	0	0	292	283
Maryland	27	26	3.5%	0	0	27	26	0	1	0	0
North Carolina	134	141	-4.7%	0	0	52	62	0	0	82	79
South Carolina	170	174	-2.1%	NM	5	34	48	0	0	132	121
Virginia	243	264	-7.9%	40	64	65	63	31	33	108	104
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	421	420	0.2%	NM	8	9	10	0	0	406	403
Alabama	261	246	6.1%	0	0	NM	4	0	0	258	242
Kentucky	35	36	-1.4%	NM	8	NM	NM	0	0	28	27
Mississippi	105	111	-5.3%	0	0	NM	NM	0	0	104	110
Tennessee	20	28	-28.2%	0	0	NM	4	0	0	16	24
West South Central	323	331	-2.6%	0	0	20	26	0	-1	302	306
Arkansas	76	65	17.3%	0	0	NM	4	0	0	72	61
Louisiana	152	167	-8.8%	0	0	NM	7	0	0	146	160
Oklahoma	21	23	-7.2%	0	0	NM	NM	0	-1	20	22
Texas	73	77	-4.3%	0	0	9	14	0	0	64	63
Mountain	81	83	-2.3%	NM	NM	44	43	3	4	32	34
Arizona	NM	NM	NM	0	0	NM	NM	0	0	0	0
Colorado	9	12	-23.4%	0	0	9	12	0	0	0	0
Idaho	38	41	-6.8%	NM	NM	NM	5	2	2	31	32
Montana	NM	2	NM	NM	NM	0	0	0	0	1	2
Nevada	NM	5	NM	0	0	NM	5	0	0	0	0
New Mexico	NM	3	NM	0	0	NM	3	0	0	0	0
Utah	NM	7	NM	0	0	NM	5	1	1	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	554	588	-5.6%	32	NM	297	319	61	61	164	182
California	389	398	-2.3%	6	2	265	281	58	58	60	57
Oregon	76	82	-7.9%	NM	5	22	29	3	2	46	46
Washington	90	107	-16.2%	NM	NM	9	9	NM	NM	58	78
Pacific Noncontiguous	20	25	-19.9%	0	1	NM	NM	17	15	0	0
Alaska	3	3	0.7%	0	0	0	0	3	3	0	0
Hawaii	16	21	-23.1%	0	1	NM	NM	14	12	0	0
U.S. Total	3,739	3,970	-5.8%	150	249	1,401	1,511	291	290	1,898	1,920

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

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

by State, by Sector, Year-to-Date through March 2024 and 2023 (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	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
New England	1,096	1,145	-4.3%	75	95	746	750	116	125	159	176
Connecticut	99	105	-6.1%	0	0	99	105	0	0	0	0
Maine	403	423	-4.6%	0	0	243	244	1	3	159	176
Massachusetts	222	237	-6.2%	0	0	118	125	104	112	0	0
New Hampshire	200	191	5.2%	0	0	191	181	10	10	0	0
Rhode Island	63	62	1.4%	0	0	63	62	0	0	0	0
Vermont	108	128	-15.2%	75	95	33	33	1	0	0	0
Middle Atlantic	937	995	-5.8%	0	0	501	610	296	247	140	137
New Jersey	169	161	5.0%	0	0	77	89	92	71	0	0
New York	381	427	-10.8%	0	0	188	263	150	126	42	38
Pennsylvania	388	407	-4.8%	0	0	236	258	54	50	98	99
East North Central	923	1,077	-14.3%	161	211	493	573	23	25	246	268
Illinois	65	73	-10.0%	22	25	43	48	0	0	0	0
Indiana	88	93	-4.5%	63	69	13	12	0	0	12	12
Michigan	493	553	-11.0%	0	0	339	401	12	11	142	141
Ohio	54	87	-38.0%	0	0	29	41	2	2	23	44
Wisconsin	223	272	-18.1%	76	118	69	71	9	12	69	71
West North Central	416	423	-1.8%	55	64	126	132	35	35	199	192
Iowa	51	52	-1.9%	9	9	23	25	2	3	18	15
Kansas	14	16	-7.1%	0	0	14	16	0	0	0	0
Minnesota	297	298	-0.1%	25	30	80	81	18	16	174	170
Missouri	28	30	-5.2%	6	7	9	10	12	12	1	1
Nebraska	19	22	-16.8%	15	18	0	0	3	5	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	6	6	-0.5%	0	0	0	0	0	0	6	6
South Atlantic	3,913	4,156	-5.8%	303	396	1,242	1,340	209	220	2,160	2,200
Delaware	18	19	-5.5%	0	0	13	15	0	0	5	5
District of Columbia	15	15	-1.0%	0	0	0	0	15	15	0	0
Florida	783	934	-16.2%	86	138	243	294	97	108	357	394
Georgia	1,318	1,298	1.5%	0	0	457	439	0	0	861	859
Maryland	80	76	5.3%	0	0	80	75	0	1	0	0
North Carolina	408	440	-7.3%	0	0	164	180	0	0	244	260
South Carolina	495	526	-5.9%	13	15	94	130	0	0	388	381
Virginia	794	844	-6.0%	204	243	188	204	97	96	306	301
West Virginia	NM	3	NM	0	0	NM	3	0	0	0	0
East South Central	1,299	1,317	-1.3%	19	23	27	29	0	0	1,253	1,265
Alabama	789	786	0.4%	0	0	10	11	0	0	779	775
Kentucky	109	109	0.0%	19	23	3	3	0	0	87	83
Mississippi	307	329	-6.7%	0	0	NM	NM	0	0	304	326
Tennessee	94	93	1.3%	0	0	12	12	0	0	83	81
West South Central	1,027	1,048	-2.1%	35	32	69	77	0	-2	923	942
Arkansas	212	203	4.4%	0	0	11	12	0	0	201	192
Louisiana	479	508	-5.7%	0	0	20	21	0	0	459	487
Oklahoma	78	75	4.5%	0	0	NM	4	0	-2	74	73
Texas	258	263	-2.0%	35	32	34	40	0	0	188	191
Mountain	222	249	-11.0%	5	6	127	136	11	11	79	97
Arizona	51	49	4.7%	0	0	51	49	0	0	0	0
Colorado	30	35	-14.0%	0	0	30	35	0	0	0	0
Idaho	97	117	-16.6%	NM	4	11	14	7	7	75	92
Montana	5	7	-24.3%	NM	NM	0	0	0	0	3	5
Nevada	13	14	-10.0%	0	0	13	14	0	0	0	0
New Mexico	8	8	-1.8%	0	0	8	8	0	0	0	0
Utah	18	20	-10.7%	0	0	15	16	3	4	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,681	1,832	-8.3%	88	91	914	1,003	183	183	495	555
California	1,170	1,246	-6.1%	11	10	812	889	172	172	175	175
Oregon	240	253	-5.0%	13	14	76	88	8	7	143	143
Washington	270	333	-18.9%	64	67	27	26	3	3	177	238
Pacific Noncontiguous	66	77	-14.9%	3	5	19	25	45	47	0	0
Alaska	11	10	8.4%	0	0	0	0	11	10	0	0
Hawaii	55	67	-18.3%	3	5	19	25	34	38	0	0
U.S. Total	11,579	12,320	-6.0%	744	924	4,265	4,674	917	891	5,654	5,832

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

Table 1.16.A. Utility Scale Facility Net Generation from Geothermal by State, by Sector, March 2024 and 2023 (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	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
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	390	402	-2.9%	NM	22	372	380	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	NM	NM	NM	0	0	NM	NM	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	348	351	-0.9%	0	0	348	351	0	0	0	0
New Mexico	3	4	-19.9%	0	0	3	4	0	0	0	0
Utah	NM	40	NM	NM	22	NM	17	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	827	952	-13.1%	39	38	788	914	0	0	0	0
California	815	936	-13.0%	39	38	775	898	0	0	0	0
Oregon	NM	NM	NM	0	0	NM	NM	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	NM	26	NM	0	0	NM	26	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	NM	26	NM	0	0	NM	26	0	0	0	0
U.S. Total	1,240	1,380	-10.2%	58	61	1,182	1,320	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 1.16.B. Utility Scale Facility Net Generation from Geothermal

by State, by Sector, Year-to-Date through March 2024 and 2023 (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	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 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	1,215	1,275	-4.8%	61	75	1,153	1,201	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	NM	22	NM	0	0	NM	22	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	1,075	1,106	-2.8%	0	0	1,075	1,106	0	0	0	0
New Mexico	11	12	-12.9%	0	0	11	12	0	0	0	0
Utah	110	135	-18.6%	61	75	48	60	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	2,589	2,875	-9.9%	112	158	2,476	2,717	0	0	0	0
California	2,546	2,820	-9.7%	112	158	2,433	2,662	0	0	0	0
Oregon	43	55	-20.9%	0	0	43	55	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	73	90	-18.3%	0	0	73	90	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	73	90	-18.3%	0	0	73	90	0	0	0	0
U.S. Total	3,877	4,240	-8.6%	174	233	3,703	4,007	0	0	0	0

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

Table 1.17.A. Net Generation from Solar Photovoltaic by State, by Sector, March 2024 and 2023 (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	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	1,041	870	19.6%	366	299	676	571	12	12	351	285	NM	NM	NM	NM	355	307	NM	NM	NM	NM	20	19	300	245
Connecticut	170	142	19.4%	42	38	128	105	0	0	41	37	NM	NM	NM	NM	38	33	NM	NM	NM	NM	5	5	84	67
Maine	155	90	71.8%	75	43	81	48	0	0	75	43	68	39	0	0	68	39	0	0	0	0	0	0	12	9
Massachusetts	525	489	7.4%	178	167	347	322	8	7	169	158	NM	NM	NM	NM	184	181	NM	NM	NM	NM	13	12	151	128
New Hampshire	NM	25	NM	NM	NM	31	25	0	0	NM	NM	10	9	0	0	10	9	1	1	0	0	1	1	20	15
Rhode Island	120	88	36.6%	53	37	67	51	0	0	53	37	47	36	0	0	47	36	1	0	0	0	1	0	19	14
Vermont	39	35	10.5%	17	15	22	20	4	4	13	11	NM	8	0	0	NM	8	NM	0	0	0	NM	0	14	12
Middle Atlantic	1,266	1,100	15.1%	474	367	793	734	11	10	446	340	377	363	15	14	362	349	NM	NM	NM	NM	27	30	403	355
New Jersey	448	445	0.6%	149	138	299	307	11	10	124	115	138	152	14	13	124	139	NM	NM	NM	NM	18	20	157	148
New York	632	537	17.7%	246	199	387	338	0	0	244	198	NM	NM	NM	NM	209	187	NM	NM	NM	NM	2	2	176	149
Pennsylvania	186	118	58.4%	79	30	107	88	0	0	78	28	NM	NM	NM	NM	28	23	NM	NM	NM	NM	7	9	71	57
East North Central	1,285	754	70.5%	984	508	301	246	306	113	677	394	NM	NM	NM	NM	138	126	10	8	0	0	10	8	154	112
Illinois	366	265	38.0%	208	135	158	131	NM	NM	208	134	NM	NM	NM	NM	76	77	NM	0	0	0	NM	0	81	53
Indiana	210	141	48.9%	176	108	34	33	114	39	62	70	NM	NM	NM	NM	18	17	2	1	0	0	2	1	15	14
Michigan	168	127	32.7%	138	101	31	26	6	7	131	94	NM	NM	NM	NM	12	9	NM	NM	0	0	NM	NM	18	16
Ohio	291	104	179.2%	247	71	44	33	NM	NM	245	70	NM	NM	NM	NM	19	14	4	4	0	0	4	4	21	15
Wisconsin	251	117	115.0%	216	92	35	24	185	66	31	26	NM	NM	NM	NM	12	10	3	2	0	0	3	2	19	12
West North Central	446	354	26.1%	273	227	173	127	44	30	222	196	57	45	0	0	57	45	13	5	7	0	6	5	110	77
Iowa	89	72	24.3%	47	40	42	32	27	23	20	16	20	17	0	0	20	17	2	1	0	0	2	1	21	14
Kansas	22	16	41.1%	6	6	16	10	NM	NM	5	5	4	3	0	0	4	3	0	0	0	0	0	0	11	7
Minnesota	221	187	18.2%	187	161	34	26	12	3	167	158	9	7	0	0	9	7	9	2	7	0	2	2	24	17
Missouri	89	69	29.7%	15	14	74	55	3	3	12	11	23	17	0	0	23	17	1	1	0	0	1	1	50	37
Nebraska	12	10	16.3%	6	6	6	4	NM	NM	6	6	1	1	0	0	1	1	NM	0	0	0	NM	0	4	3
North Dakota	0	0	0.7%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota	13	0	NM	12	NM	1	0	0	0	12	NM	0	0	0	0	0	0	NM	0	0	0	NM	0	0	0
South Atlantic	4,873	4,317	12.9%	4,038	3,655	834	661	1,688	1,523	2,338	2,119	141	112	12	12	129	100	NM	NM	NM	NM	40	34	665	527
Delaware	33	31	9.1%	14	14	19	16	NM	NM	13	13	NM	NM	NM	NM	3	3	NM	1	0	0	NM	1	14	12
District of Columbia	NM	20	NM	NM	NM	21	17	NM	NM	NM	NM	8	6	0	0	8	6	0	0	0	0	0	0	14	11
Florida	1,892	1,609	17.6%	1,503	1,300	389	309	1,409	1,216	92	83	NM	NM	NM	NM	29	24	NM	NM	NM	NM	7	2	352	283
Georgia	NM	672	NM	661	628	NM	44	26	48	635	580	NM	NM	NM	NM	7	6	NM	NM	0	0	NM	NM	NM	15
Maryland	226	196	14.8%	90	78	136	119	NM	NM	87	75	NM	NM	NM	NM	29	26	3	3	0	0	3	3	104	90
North Carolina	1,061	1,011	4.9%	986	948	75	63	67	67	910	872	26	25	9	9	17	16	2	2	0	0	2	2	55	46
South Carolina	302	268	12.9%	245	217	57	51	NM	NM	244	216	11	10	0	0	11	10	NM	NM	NM	NM	4	4	43	37
Virginia	609	506	20.4%	521	467	88	38	180	189	341	278	NM	NM	NM	NM	24	8	1	1	0	0	1	1	64	29
West Virginia	21	4	440.3%	16	0	5	4	NM	0	13	0	1	1	0	0	1	1	0	0	0	0	0	0	4	3
East South Central	295	257	14.6%	270	237	25	20	20	22	250	214	NM	NM	NM	NM	10	9	1	1	0	0	1	0	14	11
Alabama	NM	97	NM	96	95	NM	NM	NM	2	93	93	NM	NM	0	0	NM	NM	0	0	0	0	0	0	NM	NM
Kentucky	26	23	10.6%	13	13	13	10	4	4	9	9	NM	NM	NM	NM	3	3	0	0	0	0	0	0	9	8
Mississippi	67	54	24.9%	64	52	3	2	14	16	50	36	1	1	0	0	1	1	NM	0	0	0	NM	0	2	1
Tennessee	104	83	25.2%	98	77	7	6	NM	NM	97	76	NM	NM	NM	NM	4	4	0	NM	0	0	0	NM	2	2
West South Central	3,495	2,303	51.8%	2,989	1,926	506	376	32	30	2,942	1,894	88	52	14	1	74	50	NM	NM	NM	NM	6	3	426	323
Arkansas	180	86	107.7%	143	56	37	31	21	20	120	34	14	12	2	1	12	11	NM	NM	NM	NM	5	3	19	16
Louisiana	90	47	89.4%	57	22	33	25	3	3	54	19	NM	2	0	0	NM	2	NM	0	0	0	NM	0	30	23
Oklahoma	23	16	42.2%	7	6	16	11	6	5	NM	NM	2	2	0	0	2	2	0	0	0	0	0	0	14	9
Texas	3,202	2,153	48.8%	2,782	1,842	420	310	NM	NM	2,768	1,840	70	NM	12	NM	58	35	NM	NM	NM	NM	NM	0	363	275
Mountain	3,568	2,712	31.6%	2,629	1,909	939	803	124	109	2,492	1,789	130	132	8	8	122	124	22	16	6	3	17	13	800	666
Arizona	1,066	842	26.6%	652	474	414	367	54	43	594	427	NM	NM	NM	NM	48	55	NM	NM	NM	NM	1	1	364	311
Colorado	587	357	64.7%	420	218	167	138	NM	NM	416	216	NM	NM	NM	NM	33	32	NM	2	NM	0	5	2	129	104
Idaho	92	75	24.0%	70	56	22	19	20	18	50	37	1	1	0	0	1	1	NM	NM	NM	NM	3	2	19	15
Montana	36	21	73.4%	28	15	9	6	0	0	28	15	2	1	0	0	2	1	0	0	0	0	0	0	7	4
Nevada	979	838	16.8%	809	701	169	137	13	15	791	681	15	15	4	4	11	11	NM	NM	NM	NM	6	6	152	120
New Mexico	345	209	65.1%	275	151	70	58	33	31	242	120	14	12	0	0	14	12	NM	0	0	0	NM	0	56	46
Utah	446	353	26.3%	361	278	85	76	3	NM	358	277	13	12	0	0	13	12	NM	1	NM	0	1	1	71	63
Wyoming	16	18	-10.6%	14	16	3	2	0	0	14	16	0	0	0	0	0	0	NM	0	0	0	NM	0	2	2
Pacific Contiguous	6,123	5,164	18.6%	3,371	2,816	2,752	2,348	34	33	3,301	2,749	574	522	17	17	557	505	299	278	19	17	281	261	1,915	1,583
California	5,830	4,938	18.1%	3,170	2,665	2,660	2,273	33	32	3,101	2,599	557	506	17	17	540	490	298	276	19	17	279	259	1,841	1,524
Oregon	207	154	34.3%	162	117	46	37	NM	NM	161	117	11	10	0	0	11	10	2	2	0	0	2	2	33	26
Washington	86	72	19.1%	39	34	47	38	NM	NM	39	33	6	5	0	0	6	5	0	0	0	0	0	0	40	33
Pacific Noncontiguous	185	163	13.2%	53	47	132	117	7	6	46	40	NM	NM	NM	NM	43	42	0	0	0	0	0	0	88	74
Alaska	NM	2	NM	NM	NM	2	2	NM	NM	NM	0	1	1	0	0	1	1	0	0	0	0	0	0	2	1
Hawaii	182	161	12.4%	52	47	130	115	6	6	45	40	NM	NM	NM	NM	43	42	0	0	0	0	0	0	87	73
U.S. Total	22,577	17,994	25.5%	15,446	11,991	7,131	6,003	2,277	1,888	13,063	10,021	1,916	1,713	69	56	1,847	1,658	445	399	37	26	407	374	4,877	3,972

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 March 2024 and 2023 (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	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
New England	2,433	2,023	20.3%	831	686	1,602	1,338	27	25	799	655	875	746	3	3	872	742	51	48	NM	NM	49	46	681	549
Connecticut	382	321	18.9%	89	83	293	238	0	0	86	80	95	83	NM	NM	94	82	14	13	NM	NM	13	12	186	145
Maine	356	204	74.1%	160	93	196	111	0	0	160	93	166	90	0	0	166	90	0	0	0	0	0	0	30	22
Massachusetts	1,245	1,148	8.4%	422	390	824	758	18	17	401	371	455	442	NM	2	453	440	32	31	NM	NM	31	30	340	288
New Hampshire	76	60	25.8%	NM	NM	75	60	0	0	NM	NM	24	23	0	0	24	23	3	3	0	0	3	3	48	34
Rhode Island	284	209	36.2%	120	85	164	123	0	0	120	85	116	89	0	0	116	89	2	1	0	0	2	1	46	33
Vermont	90	81	12.0%	40	34	50	47	9	8	31	25	19	19	0	0	19	19	0	0	0	0	0	0	31	28
Middle Atlantic	2,963	2,552	16.1%	1,110	841	1,853	1,711	26	23	1,044	782	900	861	35	32	864	829	72	77	5	5	67	72	921	810
New Jersey	1,065	1,045	1.9%	356	319	709	725	26	23	297	267	337	365	32	29	306	337	46	49	NM	NM	45	48	359	340
New York	1,476	1,239	19.1%	574	457	902	782	0	0	571	453	497	440	NM	2	495	438	6	6	NM	NM	4	4	403	340
Pennsylvania	422	268	57.5%	180	65	242	203	0	0	177	62	65	55	NM	NM	64	54	20	22	NM	NM	18	20	160	129
East North Central	2,850	1,661	71.5%	2,191	1,128	659	534	653	259	1,533	866	308	280	3	3	305	277	22	17	1	0	21	17	333	239
Illinois	818	599	36.7%	470	315	349	284	0	0	469	314	172	169	NM	NM	172	169	1	1	0	0	1	1	176	114
Indiana	477	307	55.4%	400	236	77	71	251	90	148	146	41	37	NM	NM	41	37	4	2	0	0	4	2	33	31
Michigan	374	267	40.2%	308	212	66	55	14	13	294	198	24	20	NM	NM	24	19	1	1	0	0	1	1	41	34
Ohio	655	229	185.7%	559	156	96	73	NM	NM	555	153	42	32	NM	NM	41	31	10	8	0	0	9	8	46	34
Wisconsin	525	260	102.1%	454	208	71	52	386	153	67	54	27	21	NM	NM	26	21	7	5	1	0	7	5	38	26
West North Central	1,038	826	25.7%	639	526	399	300	95	70	526	456	134	105	0	0	133	105	31	11	18	0	13	11	253	183
Iowa	195	161	21.0%	103	90	92	71	56	54	47	36	45	37	0	0	45	37	3	3	0	0	3	3	44	31
Kansas	52	39	32.6%	16	14	36	25	4	NM	12	12	10	8	0	0	10	8	1	0	0	0	1	0	25	17
Minnesota	510	427	19.5%	436	371	74	56	27	7	391	365	19	15	0	0	19	15	22	4	18	0	4	4	50	36
Missouri	218	172	26.5%	35	34	183	138	6	6	29	28	56	43	0	0	56	43	4	3	0	0	4	3	123	92
Nebraska	28	25	13.2%	16	16	13	9	NM	NM	14	14	3	2	0	0	3	2	1	1	0	0	1	1	9	6
North Dakota	0	0	13.1%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota	34	1	NM	33	NM	1	1	0	0	33	NM	1	0	0	0	1	0	0	0	0	0	0	0	1	0
South Atlantic	12,047	10,261	17.4%	9,908	8,607	2,139	1,654	4,168	3,668	5,710	4,909	358	294	29	29	329	265	106	88	NM	NM	105	86	1,705	1,302
Delaware	74	67	10.5%	29	29	45	38	NM	NM	28	27	9	8	NM	NM	8	8	4	3	0	0	4	3	33	28
District of Columbia	59	48	22.4%	6	5	53	43	NM	NM	5	5	19	16	0	0	19	16	0	0	0	0	0	0	34	27
Florida	4,713	3,976	18.5%	3,683	3,193	1,030	783	3,446	2,979	235	212	79	64	NM	1	77	62	20	5	NM	NM	19	5	933	716
Georgia	1,860	1,634	13.9%	1,739	1,522	121	112	114	133	1,624	1,389	20	17	NM	NM	19	16	59	58	0	0	59	58	44	37
Maryland	516	463	11.4%	206	178	310	286	NM	NM	200	172	72	80	4	4	68	76	7	6	0	0	7	6	234	203
North Carolina	2,607	2,345	11.2%	2,413	2,185	194	160	162	148	2,229	2,016	67	61	22	22	45	40	5	4	0	0	5	4	144	117
South Carolina	736	631	16.7%	591	504	145	127	NM	NM	588	502	27	25	0	0	27	25	10	10	NM	NM	9	9	109	92
Virginia	1,449	1,087	33.3%	1,221	991	228	96	434	404	787	587	62	21	NM	NM	62	21	2	1	0	0	2	1	164	74
West Virginia	33	9	257.0%	20	0	12	9	7	0	13	0	3	2	0	0	3	2	1	0	0	0	1	0	9	7
East South Central	702	528	33.0%	642	480	60	48	45	47	594	431	26	22	NM	NM	24	21	2	2	1	1	1	1	34	26
Alabama	237	186	27.1%	231	182	6	4	5	5	226	177	3	3	0	0	3	3	1	0	0	0	1	0	1	1
Kentucky	60	52	15.2%	28	28	31	24	9	8	19	19	8	7	NM	NM	7	6	0	0	0	0	0	0	24	18
Mississippi	171	122	39.7%	164	117	6	5	31	33	133	84	2	2	0	0	2	2	0	0	0	0	0	0	4	3
Tennessee	234	167	40.1%	218	152	16	15	NM	NM	215	150	12	11	NM	NM	11	10	1	1	1	1	0	0	5	5
West South Central	8,770	5,690	54.1%	7,443	4,733	1,327	958	72	70	7,328	4,657	218	131	40	4	178	127	15	11	3	2	12	8	1,137	822
Arkansas	404	202	100.5%	310	128	94	74	47	46	259	78	35	31	3	3	32	28	12	8	NM	NM	11	8	51	38
Louisiana	216	118	83.1%	140	55	76	63	8	8	132	47	6	5	0	0	6	5	0	0	0	0	0	0	70	58
Oklahoma	59	41	43.9%	15	14	44	27	14	14	NM	NM	5	4	0	0	5	4	1	1	0	0	1	1	38	22
Texas	8,091	5,330	51.8%	6,979	4,536	1,113	794	3	3	6,936	4,531	171	92	37	NM	134	91	3	2	NM	NM	0	0	978	703
Mountain	8,586	6,724	27.7%	6,239	4,733	2,347	1,991	293	267	5,917	4,440	313	330	18	17	294	313	53	40	11	8	42	32	2,010	1,646
Arizona	2,658	2,146	23.8%	1,616	1,216	1,042	930	131	106	1,475	1,100	112	146	5	5	107	141	8	8	5	5	4	3	932	786
Colorado	1,467	876	67.4%	1,039	539	428	337	3	2	1,031	533	90	83	4	3	86	79	16	6	NM	0	14	6	328	252
Idaho	194	173	12.4%	146	133	48	39	43	45	102	88	3	2	0	0	3	2	6	6	NM	NM	5	5	40	32
Montana	77	31	151.7%	58	18	19	13	0	0	58	18	3	3	0	0	3	3	0	0	0	0	0	0	15	10
Nevada	2,265	2,066	9.7%	1,847	1,729	418	336	31	35	1,804	1,683	38	36	10	9	28	27	18	17	2	2	16	15	374	294
New Mexico	864	528	63.6%	680	377	184	152	80	77	600	299	35	32	0	0	35	32	0	0	0	0	0	0	148	119
Utah	1,024	866	18.2%	823	688	201	178	5	NM	816	687	31	28	0	0	31	28	4	3	NM	0	3	3	168	148
Wyoming	37	38	-2.9%	31	33	6	5	0	0	31	33	1	1	0	0	1	1	0	0	0	0	0	0	6	5
Pacific Contiguous	14,736	12,727	15.8%	8,148	7,175	6,588	5,552	80	75	7,982	7,018	1,373	1,239	41	40	1,332	1,199	706	647	44	42	662	605	4,595	3,748
California	14,127	12,213	15.7%	7,744	6,826	6,383	5,387	78	73	7,581	6,671	1,335	1,205	41	40	1,294	1,165	702	644	44	42	658	602	4,431	3,621
Oregon	437	360	21.5%	336	278	101	82	NM	NM	335	277	24	22	0	0	24	22	4	4	0	0	4	4	73	56
Washington	172	154	11.7%	68	71	104	83	NM	NM	67	70	14	11	0	0	14	11	0	0	0	0	0	0	90	71
Pacific Noncontiguous	492	434	13.4%	136	124	356	310	17	17	118	106	118	114	NM	NM	117	114	1	1	0	0	1	1	238	196
Alaska	6	3	115.4%	NM	NM	3	2	NM	NM	NM	0	1	1	0	0	1	1	0	0	0	0	0	0	2	2
Hawaii	487	432	12.8%	133	124	353	308	17	17	116	106	117	114	NM	NM	116	113	1	1	0	0	1	1	236	194
U.S. Total	54,618	43,427	25.8%	37,288	29,031	17,330	14,396	5,477	4,520	31,552	24,320	4,621	4,123	172	130	4,449	3,993	1,061	943	86	62	974	881	11,907	9,521

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, March 2024 and 2023 (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	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
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	80	54	48.3%	0	0	80	54	0	0	0	0
Arizona	68	49	39.4%	0	0	68	49	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	12	5	139.5%	0	0	12	5	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	NM	NM	0	0	NM	NM	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	141	100	41.6%	0	0	141	100	0	0	0	0
California	141	100	41.6%	0	0	141	100	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	221	154	44.0%	0	0	221	154	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 March 2024 and 2023 (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	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 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	162	127	28.4%	0	0	162	127	0	0	0	0
Arizona	137	106	29.7%	0	0	137	106	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	25	20	22.1%	0	0	25	20	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	NM	NM	0	0	NM	NM	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	258	220	17.1%	0	0	258	220	0	0	0	0
California	258	220	17.1%	0	0	258	220	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	420	347	21.2%	0	0	420	347	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, 2014-March 2024 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	500,367	372,694	125,920	87	1,666
2022	471,576	349,320	120,514	87	1,655
2023	386,601	290,887	94,165	66	1,484
Year 2022					
January	48,671	35,515	13,004	8	145
February	39,951	28,588	11,219	7	137
March	34,396	24,194	10,045	5	151
April	30,904	22,073	8,704	4	124
May	35,210	26,438	8,621	3	148
June	41,748	31,926	9,666	9	147
July	49,433	37,902	11,380	8	143
August	48,356	36,307	11,897	9	142
Sept	37,302	28,179	8,983	9	130
October	31,458	23,343	7,980	8	126
November	32,398	23,313	8,953	8	122
December	41,750	31,540	10,062	9	139
Year 2023					
January	35,469	27,335	7,993	7	134
February	26,887	20,036	6,727	6	118
March	28,612	21,189	7,301	5	117
April	22,864	16,126	6,617	6	115
May	25,567	18,503	6,937	6	121
June	33,457	26,075	7,255	3	124
July	44,484	34,595	9,750	4	136
August	43,865	33,990	9,744	4	127
Sept	34,207	26,163	7,917	5	122
October	29,616	21,990	7,494	7	124
November	29,605	21,122	8,358	6	119
December	31,968	23,763	8,073	7	126
Year 2024					
January	42,396	32,405	9,850	9	131
February	25,891	20,140	5,622	6	123
March	22,241	17,467	4,635	6	133
Year to Date					
2022	123,018	88,297	34,268	20	433
2023	90,968	68,559	22,020	19	370
2024	90,527	70,012	20,107	22	387
Rolling 12 Months Ending in March					
2023	439,526	329,582	108,266	86	1,592
2024	386,161	292,339	92,251	69	1,501

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 2022 and prior years are final. Values for 2023 and 2024 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, 2014-March 2024 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	11,301	2,153	667	447	8,034
2022	11,356	2,269	731	448	7,908
2023	9,587	1,554	566	343	7,124
Year 2022					
January	1,071	221	66	48	736
February	930	189	67	49	625
March	985	181	78	32	694
April	898	163	72	22	641
May	904	149	56	24	676
June	892	173	52	33	634
July	954	219	55	36	643
August	963	203	62	37	661
Sept	905	190	57	38	621
October	933	174	56	38	664
November	904	181	56	43	624
December	1,018	227	55	48	688
Year 2023					
January	952	155	66	39	692
February	811	124	47	34	606
March	850	139	63	31	617
April	749	86	45	30	589
May	785	117	43	26	599
June	763	115	50	23	575
July	802	166	37	23	576
August	753	154	38	24	536
Sept	766	145	38	25	558
October	758	110	51	27	571
November	781	116	43	29	593
December	816	126	43	34	612
Year 2024					
January	948	156	53	47	692
February	790	128	38	33	590
March	898	126	53	31	687
Year to Date					
2022	2,985	591	210	129	2,055
2023	2,614	419	177	104	1,914
2024	2,635	411	144	111	1,969
Rolling 12 Months Ending in March					
2023	10,984	2,097	698	423	7,767
2024	9,608	1,546	533	351	7,179

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 2022 and prior years are final. Values for 2023 and 2024 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, 2014-March 2024 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	511,669	374,848	126,587	534	9,700
2022	482,931	351,589	121,245	535	9,563
2023	396,188	292,440	94,730	409	8,608
Year 2022					
January	49,742	35,736	13,069	56	881
February	40,880	28,777	11,286	55	762
March	35,381	24,375	10,123	37	845
April	31,802	22,236	8,776	25	765
May	36,114	26,587	8,677	27	824
June	42,640	32,099	9,718	42	781
July	50,387	38,121	11,435	44	787
August	49,318	36,510	11,959	46	803
Sept	38,207	28,369	9,040	47	751
October	32,391	23,518	8,036	46	791
November	33,301	23,494	9,009	52	746
December	42,768	31,766	10,117	57	828
Year 2023					
January	36,421	27,490	8,059	46	826
February	27,698	20,160	6,774	40	724
March	29,462	21,328	7,364	37	734
April	23,614	16,212	6,661	36	704
May	26,353	18,620	6,980	31	720
June	34,220	26,191	7,305	25	699
July	45,286	34,761	9,787	27	711
August	44,618	34,144	9,782	28	663
Sept	34,973	26,308	7,955	30	680
October	30,374	22,100	7,546	33	695
November	30,386	21,238	8,401	35	712
December	32,784	23,889	8,116	40	738
Year 2024					
January	43,343	32,561	9,902	56	823
February	26,681	20,268	5,660	40	713
March	23,139	17,593	4,688	37	820
Year to Date					
2022	126,003	88,888	34,478	148	2,488
2023	93,582	68,978	22,197	123	2,284
2024	93,163	70,422	20,251	133	2,356
Rolling 12 Months Ending in March					
2023	450,510	331,678	108,964	509	9,359
2024	395,769	293,885	92,784	420	8,680

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 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.2.A. Petroleum Liquids: Consumption for Electricity Generation, by Sector, 2014-March 2024 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	21,633	16,850	4,102	250	432
2022	28,760	18,375	9,474	254	657
2023	20,712	15,679	4,303	186	546
Year 2022					
January	5,217	2,325	2,794	44	54
February	2,067	1,239	768	16	43
March	1,732	1,304	365	14	48
April	1,408	1,098	250	17	43
May	1,588	1,275	252	20	42
June	1,704	1,286	351	20	46
July	2,020	1,375	576	21	48
August	1,896	1,301	537	19	39
Sept	1,738	1,341	335	12	49
October	1,814	1,370	387	14	43
November	1,700	1,339	304	15	42
December	5,876	3,121	2,553	42	160
Year 2023					
January	1,789	1,405	303	21	59
February	2,003	1,292	651	17	43
March	1,713	1,280	365	16	52
April	1,578	1,214	307	NM	46
May	1,699	1,284	358	16	42
June	1,610	1,291	258	12	49
July	1,687	1,234	393	14	46
August	1,754	1,387	307	15	45
Sept	1,643	1,231	361	13	39
October	1,735	1,329	350	14	42
November	1,723	1,335	330	16	42
December	1,779	1,396	320	22	41
Year 2024					
January	2,782	1,992	710	24	56
February	1,423	1,144	211	13	55
March	1,459	1,142	259	17	40
Year to Date					
2022	9,016	4,868	3,928	75	145
2023	5,504	3,978	1,318	54	155
2024	5,664	4,278	1,180	54	152
Rolling 12 Months Ending in March					
2023	25,248	17,484	6,864	232	667
2024	20,872	15,979	4,165	NM	543

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 2022 and prior years are final. Values for 2023 and 2024 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, 2014-March 2024 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	2,072	80	278	330	1,384
2022	4,181	106	403	495	3,177
2023	3,304	71	330	372	2,531
Year 2022					
January	425	28	68	114	214
February	239	14	18	30	177
March	336	6	35	33	263
April	335	4	27	26	277
May	310	5	27	34	244
June	345	5	28	18	294
July	360	5	25	38	292
August	243	3	27	30	183
Sept	302	4	28	10	259
October	317	5	32	14	266
November	310	4	33	16	257
December	659	21	55	131	451
Year 2023					
January	388	6	35	57	290
February	288	8	29	26	225
March	350	5	26	27	292
April	278	5	29	NM	234
May	225	8	26	12	178
June	218	6	26	18	169
July	210	5	25	18	162
August	222	5	23	18	176
Sept	222	4	25	21	172
October	238	7	32	19	179
November	267	6	25	38	199
December	398	5	29	109	255
Year 2024					
January	508	20	25	86	377
February	274	4	19	44	207
March	303	4	21	65	213
Year to Date					
2022	999	48	121	176	654
2023	1,026	20	89	109	807
2024	1,085	28	66	194	797
Rolling 12 Months Ending in March					
2023	4,207	78	372	428	3,330
2024	3,363	79	306	NM	2,521

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 2022 and prior years are final. Values for 2023 and 2024 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, 2014-March 2024 (Thousand Barrels)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	23,705	16,929	4,379	580	1,816
2022	32,940	18,480	9,877	749	3,835
2023	24,016	15,749	4,632	557	3,077
Year 2022					
January	5,642	2,353	2,863	158	268
February	2,306	1,253	786	47	220
March	2,068	1,310	400	47	311
April	1,742	1,102	277	43	320
May	1,898	1,280	279	54	285
June	2,049	1,291	379	38	341
July	2,380	1,380	601	59	340
August	2,139	1,305	564	48	222
Sept	2,040	1,345	364	23	308
October	2,131	1,375	419	28	310
November	2,011	1,344	337	31	299
December	6,534	3,142	2,608	173	611
Year 2023					
January	2,177	1,412	337	78	350
February	2,291	1,300	680	42	268
March	2,063	1,286	390	43	344
April	1,856	1,219	336	NM	280
May	1,923	1,291	384	28	220
June	1,828	1,297	283	30	218
July	1,897	1,239	418	32	208
August	1,976	1,392	330	32	221
Sept	1,866	1,234	386	34	211
October	1,973	1,336	383	33	221
November	1,990	1,341	355	54	241
December	2,177	1,401	350	130	296
Year 2024					
January	3,291	2,012	736	109	434
February	1,698	1,148	230	58	262
March	1,762	1,146	281	81	253
Year to Date					
2022	10,015	4,916	4,049	252	799
2023	6,530	3,998	1,408	163	962
2024	6,750	4,306	1,246	248	949
Rolling 12 Months Ending in March					
2023	29,455	17,562	7,236	660	3,997
2024	24,235	16,058	4,471	NM	3,064

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 2022 and prior years are final. Values for 2023 and 2024 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, 2014-March 2024 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	3,070	2,323	618	1	127
2022	2,985	2,271	578	3	132
2023	1,848	1,328	416	1	103
Year 2022					
January	240	166	63	0	11
February	248	180	55	0	13
March	216	143	62	0	10
April	225	156	59	0	10
May	248	212	22	0	12
June	281	224	46	0	10
July	219	177	31	0	11
August	241	178	52	0	11
Sept	280	210	60	0	10
October	263	192	60	0	11
November	227	178	36	0	13
December	296	254	31	0	10
Year 2023					
January	163	116	37	0	10
February	135	107	20	0	8
March	115	73	NM	0	12
April	107	74	NM	0	7
May	117	76	34	0	8
June	147	107	33	0	7
July	252	196	44	0	11
August	254	197	47	0	10
Sept	226	175	42	0	9
October	121	76	38	0	7
November	87	49	32	0	6
December	123	81	34	0	8
Year 2024					
January	134	95	31	0	8
February	104	69	29	0	6
March	59	22	30	0	7
Year to Date					
2022	703	489	180	1	33
2023	414	296	87	0	30
2024	297	186	90	0	20
Rolling 12 Months Ending in March					
2023	2,695	2,078	NM	2	129
2024	1,731	1,218	NM	1	94

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 2022 and prior years are final. Values for 2023 and 2024 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, 2014-March 2024 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	760	21	113	6	621
2022	718	23	92	13	589
2023	631	8	111	3	509
Year 2022					
January	55	2	8	2	44
February	67	8	11	2	46
March	60	1	9	2	48
April	56	0	8	1	47
May	68	1	8	2	57
June	52	1	6	2	44
July	51	1	1	1	47
August	69	1	8	0	60
Sept	49	1	8	0	40
October	62	1	8	0	53
November	71	6	8	1	56
December	58	0	9	1	48
Year 2023					
January	43	1	8	1	33
February	48	1	23	0	24
March	58	2	NM	0	46
April	50	2	NM	0	40
May	56	0	8	0	48
June	51	0	6	0	44
July	54	1	8	0	46
August	61	1	9	0	51
Sept	53	0	7	0	46
October	56	0	8	0	48
November	49	0	8	0	41
December	53	0	8	1	43
Year 2024					
January	54	0	8	1	44
February	40	0	8	1	32
March	40	0	8	0	32
Year to Date					
2022	182	11	28	5	138
2023	149	4	40	2	103
2024	134	0	24	2	108
Rolling 12 Months Ending in March					
2023	685	16	NM	10	554
2024	616	5	NM	3	514

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 2022 and prior years are final. Values for 2023 and 2024 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, 2014-March 2024 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	3,830	2,344	731	7	748
2022	3,702	2,294	671	16	721
2023	2,479	1,336	527	4	612
Year 2022					
January	295	168	71	2	54
February	315	188	66	2	59
March	275	144	71	2	58
April	282	156	67	2	57
May	315	214	30	2	69
June	333	225	53	2	53
July	270	178	33	1	58
August	310	179	59	0	72
Sept	330	211	68	0	51
October	325	193	68	0	64
November	298	184	44	1	69
December	355	255	40	2	58
Year 2023					
January	206	116	46	2	42
February	184	108	43	0	32
March	173	75	NM	0	59
April	157	77	NM	0	47
May	173	76	42	0	55
June	198	107	39	0	51
July	306	197	52	0	57
August	315	197	56	0	61
Sept	278	175	49	0	54
October	177	76	46	0	55
November	136	49	40	0	47
December	176	81	42	1	51
Year 2024					
January	188	95	39	2	52
February	144	69	36	1	38
March	99	22	38	0	39
Year to Date					
2022	885	500	208	6	171
2023	563	300	127	2	133
2024	430	186	114	2	129
Rolling 12 Months Ending in March					
2023	3,380	2,094	NM	13	683
2024	2,347	1,222	NM	4	607

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 2022 and prior years are final. Values for 2023 and 2024 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, 2014-March 2024 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	10,842,129	5,560,267	4,663,935	52,650	565,276
2019	11,612,858	5,980,679	4,958,798	55,575	617,805
2020	11,928,104	6,196,152	5,061,569	51,827	618,556
2021	11,502,569	5,876,442	4,995,247	45,537	585,343
2022	12,384,098	6,376,042	5,364,051	48,658	595,347
2023	13,223,128	6,789,584	5,779,618	50,985	602,940
Year 2022					
January	972,571	499,668	416,488	3,980	52,436
February	823,713	414,497	360,403	3,525	45,288
March	800,152	407,227	339,907	3,791	49,227
April	767,572	391,895	325,930	3,536	46,211
May	947,261	488,790	406,341	3,767	48,363
June	1,168,712	623,024	491,993	4,050	49,645
July	1,430,805	752,312	619,375	4,873	54,245
August	1,407,824	722,888	625,436	5,064	54,436
Sept	1,149,683	579,459	517,292	4,325	48,606
October	971,750	491,554	428,251	3,632	48,313
November	928,163	480,119	394,845	3,849	49,349
December	1,015,892	524,610	437,788	4,265	49,228
Year 2023					
January	992,227	506,014	430,554	4,119	51,540
February	892,138	451,594	389,745	3,797	47,001
March	955,703	489,302	412,237	4,094	50,070
April	887,551	462,086	379,288	3,728	42,449
May	1,019,950	543,723	425,181	3,862	47,184
June	1,202,013	625,349	521,735	4,409	50,520
July	1,496,047	772,384	665,860	4,941	52,862
August	1,487,939	781,914	647,398	4,950	53,677
Sept	1,217,126	618,366	542,844	4,609	51,307
October	1,041,044	529,873	457,358	4,072	49,742
November	988,664	486,100	447,704	4,046	50,814
December	1,042,726	522,880	459,715	4,358	55,773
Year 2024					
January	1,158,025	584,603	513,207	4,553	55,662
February	936,436	480,120	403,490	4,178	48,647
March	937,983	488,672	396,135	4,398	48,778
Year to Date					
2022	2,596,436	1,321,392	1,116,798	11,296	146,950
2023	2,840,068	1,446,910	1,232,536	12,010	148,612
2024	3,032,443	1,553,395	1,312,832	13,129	153,087
Rolling 12 Months Ending in March					
2023	12,627,730	6,501,560	5,479,789	49,373	597,008
2024	13,415,503	6,896,069	5,859,915	52,104	607,415

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 2022 and prior years are final. Values for 2023 and 2024 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, 2014-March 2024 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	1,221,841	49,103	307,795	71,094	793,849
2022	1,206,240	46,329	305,125	74,683	780,102
2023	1,222,439	51,023	310,053	72,410	788,954
Year 2022					
January	111,979	4,635	28,424	7,331	71,588
February	98,435	3,929	25,170	6,465	62,872
March	102,253	3,852	25,861	6,384	66,155
April	92,922	2,748	22,502	5,734	61,937
May	95,758	3,356	24,200	5,623	62,579
June	97,703	3,887	25,622	5,855	62,339
July	106,539	4,604	28,679	6,816	66,439
August	106,095	4,242	27,578	6,894	67,380
Sept	96,584	3,583	24,804	5,816	62,381
October	95,266	3,073	23,556	5,412	63,225
November	98,143	4,017	23,125	5,694	65,307
December	104,563	4,401	25,603	6,659	67,900
Year 2023					
January	109,076	4,435	26,082	6,700	71,858
February	98,330	3,904	25,131	6,084	63,212
March	106,424	3,934	26,486	6,508	69,496
April	94,488	3,407	23,770	5,543	61,768
May	94,720	3,923	22,879	5,368	62,550
June	98,389	4,488	24,843	5,667	63,391
July	103,951	5,320	27,775	5,994	64,862
August	102,833	5,406	27,752	6,024	63,651
Sept	99,904	4,377	25,540	5,768	64,220
October	98,645	3,566	25,577	5,857	63,645
November	104,844	4,005	27,172	6,259	67,408
December	110,834	4,258	27,046	6,637	72,893
Year 2024					
January	116,870	4,590	28,584	7,169	76,526
February	101,981	4,125	26,675	6,419	64,763
March	103,471	4,381	26,236	6,539	66,315
Year to Date					
2022	312,667	12,416	79,455	20,180	200,615
2023	313,830	12,273	77,699	19,292	204,566
2024	322,322	13,096	81,495	20,127	207,605
Rolling 12 Months Ending in March					
2023	1,207,403	46,185	303,369	73,795	784,054
2024	1,230,931	51,846	313,849	73,244	791,992

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 2022 and prior years are final. Values for 2023 and 2024 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.C. Natural Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2014-March 2024 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	12,048,091	5,603,423	4,995,888	134,507	1,314,273
2019	12,808,883	6,023,324	5,276,029	135,310	1,374,220
2020	13,220,728	6,243,178	5,388,546	130,671	1,458,334
2021	12,724,410	5,925,545	5,303,041	116,631	1,379,193
2022	13,590,337	6,422,370	5,669,176	123,342	1,375,449
2023	14,445,567	6,840,607	6,089,671	123,395	1,391,894
Year 2022					
January	1,084,549	504,303	444,912	11,311	124,023
February	922,149	418,426	385,573	9,989	108,160
March	902,405	411,079	365,768	10,175	115,382
April	860,494	394,643	348,432	9,270	108,148
May	1,043,019	492,145	430,541	9,390	110,942
June	1,266,415	626,911	517,616	9,905	111,984
July	1,537,344	756,916	648,054	11,689	120,685
August	1,513,919	727,130	653,015	11,958	121,816
Sept	1,246,267	583,042	542,096	10,141	110,987
October	1,067,017	494,626	451,807	9,044	111,539
November	1,026,306	484,137	417,970	9,543	114,655
December	1,120,456	529,011	463,391	10,924	117,129
Year 2023					
January	1,101,303	510,449	456,636	10,819	123,398
February	990,468	455,497	414,876	9,881	110,213
March	1,062,127	493,236	438,723	10,602	119,566
April	982,039	465,493	403,058	9,271	104,217
May	1,114,670	547,646	448,061	9,230	109,733
June	1,300,402	629,838	546,578	10,076	113,911
July	1,599,998	777,704	693,634	10,935	117,725
August	1,590,772	787,320	675,150	10,974	117,328
Sept	1,317,030	622,743	568,383	10,377	115,527
October	1,139,689	533,439	482,935	9,928	113,387
November	1,093,508	490,105	474,876	10,305	118,222
December	1,153,560	527,138	486,761	10,995	128,666
Year 2024					
January	1,274,895	589,194	541,791	11,721	132,189
February	1,038,417	484,244	430,165	10,597	113,411
March	1,041,453	493,052	422,371	10,937	115,093
Year to Date					
2022	2,909,103	1,333,808	1,196,254	31,476	347,565
2023	3,153,898	1,459,183	1,310,235	31,303	353,178
2024	3,354,765	1,566,490	1,394,327	33,255	360,692
Rolling 12 Months Ending in March					
2023	13,835,133	6,547,745	5,783,158	123,168	1,381,062
2024	14,646,434	6,947,915	6,173,763	125,348	1,399,408

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 2022 and prior years are final. Values for 2023 and 2024 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, 2014-March 2024 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	231,876	22,831	190,031	16,472	2,542
2022	211,866	18,486	176,160	14,898	2,323
2023	194,275	18,502	159,649	13,724	2,401
Year 2022					
January	18,515	1,725	15,257	1,343	190
February	17,347	1,602	14,349	1,216	180
March	19,127	1,751	15,882	1,301	192
April	17,226	1,547	14,618	900	161
May	17,953	1,594	14,955	1,209	195
June	17,609	1,531	14,651	1,225	202
July	17,975	1,543	14,919	1,314	198
August	17,540	1,487	14,533	1,315	207
Sept	17,102	1,461	14,174	1,275	192
October	17,877	1,480	14,857	1,337	202
November	16,933	1,419	14,149	1,177	188
December	16,663	1,347	13,815	1,285	216
Year 2023					
January	17,449	1,676	14,218	1,350	205
February	15,456	1,488	12,565	1,191	212
March	16,708	1,637	13,607	1,209	254
April	15,435	1,526	12,564	1,136	208
May	16,550	1,582	13,753	1,031	184
June	16,271	1,566	13,406	1,082	217
July	16,505	1,511	13,618	1,186	190
August	16,270	1,463	13,448	1,186	173
Sept	17,126	1,724	14,139	1,108	155
October	14,866	1,355	12,415	919	176
November	14,212	1,230	11,659	1,128	196
December	17,429	1,743	14,256	1,199	231
Year 2024					
January	15,222	1,323	12,485	1,197	217
February	16,103	1,744	13,090	1,046	224
March	16,824	1,817	13,712	1,064	232
Year to Date					
2022	54,988	5,078	45,489	3,861	561
2023	49,613	4,801	40,390	3,750	671
2024	48,150	4,883	39,286	3,307	673
Rolling 12 Months Ending in March					
2023	206,491	18,210	171,061	14,788	2,433
2024	192,812	18,584	158,545	13,280	2,403

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 2022 and prior years are final. Values for 2023 and 2024 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, 2014-March 2024 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	4,030	6	2,155	741	1,129
2022	4,280	15	1,996	817	1,451
2023	4,576	11	2,254	705	1,607
Year 2022					
January	401	1	197	81	121
February	374	1	186	69	118
March	436	1	218	78	138
April	330	1	157	70	102
May	293	1	116	51	125
June	344	1	163	65	115
July	362	1	170	66	125
August	362	1	164	74	122
Sept	355	1	160	76	117
October	355	1	163	69	122
November	315	1	130	64	120
December	354	1	173	55	124
Year 2023					
January	460	1	239	64	157
February	393	1	199	52	141
March	402	1	204	49	148
April	399	1	192	65	141
May	281	1	125	40	116
June	353	1	170	53	128
July	401	1	199	65	136
August	396	1	197	70	128
Sept	361	1	186	61	113
October	361	1	174	72	114
November	331	0	142	60	129
December	440	1	228	54	156
Year 2024					
January	414	1	217	46	149
February	370	1	179	51	138
March	376	1	180	52	142
Year to Date					
2022	1,210	4	601	227	378
2023	1,255	2	642	165	446
2024	1,159	3	576	150	430
Rolling 12 Months Ending in March					
2023	4,324	14	2,036	755	1,520
2024	4,480	12	2,189	689	1,591

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 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.5.C. Landfill Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2014-March 2024 (Million Cubic Feet)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	235,906	22,836	192,186	17,212	3,671
2022	216,146	18,501	178,155	15,715	3,774
2023	198,851	18,512	161,903	14,428	4,008
Year 2022					
January	18,916	1,726	15,454	1,424	311
February	17,721	1,603	14,535	1,285	298
March	19,562	1,753	16,100	1,379	330
April	17,556	1,548	14,775	971	263
May	18,246	1,595	15,070	1,260	321
June	17,953	1,532	14,813	1,290	318
July	18,337	1,545	15,089	1,380	323
August	17,902	1,488	14,696	1,389	329
Sept	17,456	1,462	14,334	1,350	309
October	18,232	1,482	15,020	1,406	324
November	17,247	1,420	14,279	1,241	308
December	17,017	1,348	13,988	1,340	340
Year 2023					
January	17,909	1,677	14,457	1,414	362
February	15,849	1,489	12,764	1,243	353
March	17,109	1,638	13,811	1,258	402
April	15,833	1,527	12,756	1,201	349
May	16,831	1,583	13,878	1,070	300
June	16,624	1,567	13,577	1,135	345
July	16,906	1,512	13,817	1,252	325
August	16,666	1,464	13,645	1,256	301
Sept	17,487	1,725	14,325	1,169	268
October	15,226	1,356	12,589	991	290
November	14,543	1,230	11,801	1,187	325
December	17,868	1,744	14,484	1,252	387
Year 2024					
January	15,636	1,324	12,702	1,243	367
February	16,473	1,745	13,269	1,097	362
March	17,200	1,818	13,892	1,116	374
Year to Date					
2022	56,199	5,082	46,090	4,088	939
2023	50,868	4,804	41,032	3,915	1,117
2024	49,309	4,887	39,862	3,456	1,103
Rolling 12 Months Ending in March					
2023	210,815	18,223	173,097	15,542	3,952
2024	197,292	18,595	160,734	13,969	3,994

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 2022 and prior years are final. Values for 2023 and 2024 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 2.6.A. Biogenic Municipal Solid Waste: Consumption for Electricity Generation, by Sector, 2014-March 2024 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	15,223	252	12,442	2,521	7
2022	14,589	274	7,346	6,969	0
2023	13,860	283	6,941	6,636	0
Year 2022					
January	1,214	22	645	547	0
February	1,117	20	567	530	0
March	1,215	17	638	560	0
April	1,207	23	592	591	0
May	1,225	28	607	589	0
June	1,248	25	622	601	0
July	1,272	25	634	612	0
August	1,246	28	623	595	0
Sept	1,199	18	604	577	0
October	1,211	24	592	595	0
November	1,212	23	593	595	0
December	1,224	21	626	577	0
Year 2023					
January	1,202	24	616	561	0
February	1,046	15	539	492	0
March	1,110	21	575	513	0
April	1,063	21	533	509	0
May	1,167	21	591	554	0
June	1,177	26	582	569	0
July	1,245	24	620	601	0
August	1,231	28	614	588	0
Sept	1,137	24	572	540	0
October	1,153	27	564	562	0
November	1,124	26	544	555	0
December	1,206	24	590	591	0
Year 2024					
January	1,179	21	582	575	0
February	1,062	17	531	513	0
March	1,098	13	565	520	0
Year to Date					
2022	3,546	58	1,851	1,637	0
2023	3,358	61	1,730	1,566	0
2024	3,339	52	1,679	1,608	0
Rolling 12 Months Ending in March					
2023	14,400	277	7,225	6,899	0
2024	13,842	274	6,890	6,678	0

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 2022 and prior years are final. Values for 2023 and 2024 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 2.6.B. Biogenic Municipal Solid Waste: Consumption for Useful Thermal Output, by Sector, 2014-March 2024 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	1,712	0	873	666	173
2022	1,647	0	401	1,246	0
2023	1,543	0	449	1,094	0
Year 2022					
January	148	0	38	110	0
February	130	0	31	99	0
March	129	0	30	100	0
April	125	0	29	96	0
May	143	0	34	109	0
June	141	0	32	108	0
July	148	0	37	111	0
August	151	0	34	117	0
Sept	137	0	32	104	0
October	127	0	32	95	0
November	139	0	34	106	0
December	129	0	38	91	0
Year 2023					
January	125	0	38	87	0
February	121	0	33	89	0
March	128	0	34	94	0
April	121	0	32	89	0
May	131	0	33	97	0
June	117	0	33	84	0
July	137	0	41	95	0
August	141	0	40	101	0
Sept	130	0	40	90	0
October	111	0	37	74	0
November	134	0	44	90	0
December	147	0	43	103	0
Year 2024					
January	141	0	43	98	0
February	130	0	35	95	0
March	126	0	33	93	0
Year to Date					
2022	407	0	98	309	0
2023	375	0	105	270	0
2024	398	0	111	286	0
Rolling 12 Months Ending in March					
2023	1,615	0	407	1,207	0
2024	1,566	0	455	1,110	0

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.C. Biogenic Municipal Solid Waste: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2014-March 2024 (Thousand Tons)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	16,934	252	13,315	3,187	180
2022	16,236	274	7,747	8,215	0
2023	15,403	283	7,390	7,730	0
Year 2022					
January	1,362	22	683	657	0
February	1,248	20	598	629	0
March	1,344	17	668	660	0
April	1,332	23	621	687	0
May	1,368	28	642	697	0
June	1,389	25	655	709	0
July	1,420	25	671	723	0
August	1,397	28	657	712	0
Sept	1,336	18	636	682	0
October	1,338	24	624	690	0
November	1,351	23	627	701	0
December	1,353	21	664	668	0
Year 2023					
January	1,327	24	654	649	0
February	1,167	15	571	581	0
March	1,238	21	609	607	0
April	1,183	21	564	598	0
May	1,297	21	625	652	0
June	1,294	26	615	653	0
July	1,382	24	661	696	0
August	1,372	28	654	690	0
Sept	1,267	24	612	630	0
October	1,264	27	601	635	0
November	1,258	26	587	645	0
December	1,353	24	634	695	0
Year 2024					
January	1,320	21	626	673	0
February	1,192	17	566	609	0
March	1,225	13	599	613	0
Year to Date					
2022	3,953	58	1,949	1,946	0
2023	3,732	61	1,835	1,837	0
2024	3,737	52	1,791	1,895	0
Rolling 12 Months Ending in March					
2023	16,015	277	7,632	8,106	0
2024	15,407	274	7,345	7,788	0

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 2022 and prior years are final. Values for 2023 and 2024 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.A. Wood / Wood Waste Biomass: Consumption for Electricity Generation, by Sector, 2014-March 2024 (Billion Btus)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	318,381	31,606	125,695	608	160,472
2021	328,253	41,868	129,554	998	155,833
2022	323,764	46,357	125,125	1,140	151,142
2023	274,420	34,192	100,099	732	139,397
Year 2022					
January	28,590	4,116	11,148	102	13,225
February	27,354	4,072	10,966	94	12,223
March	26,834	3,220	10,911	69	12,633
April	24,378	2,638	9,297	73	12,370
May	26,037	3,542	9,711	110	12,675
June	27,667	4,060	10,713	129	12,766
July	30,189	4,960	11,506	119	13,604
August	29,708	5,264	11,129	171	13,144
Sept	26,117	3,722	10,273	81	12,041
October	23,854	3,181	9,295	42	11,335
November	25,533	3,117	9,864	72	12,481
December	27,502	4,466	10,313	77	12,647
Year 2023					
January	26,787	3,731	10,268	76	12,713
February	22,684	3,170	8,154	47	11,314
March	23,014	2,323	8,749	55	11,887
April	19,588	1,306	7,242	46	10,994
May	24,087	2,736	8,988	24	12,339
June	23,681	3,459	8,757	68	11,398
July	25,631	4,424	9,667	58	11,482
August	25,999	4,195	9,765	85	11,954
Sept	21,971	3,201	7,976	82	10,712
October	17,647	1,513	5,522	61	10,552
November	21,207	1,981	7,240	56	11,930
December	22,123	2,156	7,772	74	12,122
Year 2024					
January	24,974	3,832	9,159	99	11,884
February	20,851	2,558	7,235	37	11,021
March	21,487	1,561	8,299	24	11,603
Year to Date					
2022	82,777	11,408	33,025	265	38,080
2023	72,485	9,223	27,171	178	35,914
2024	67,312	7,951	24,693	159	34,508
Rolling 12 Months Ending in March					
2023	313,471	44,173	119,271	1,052	148,975
2024	269,247	32,920	97,621	713	137,992

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 2.7.B. Wood / Wood Waste Biomass: Consumption for Useful Thermal Output, by Sector, 2014-March 2024 (Billion Btus)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	860,062	3,051	25,022	3,595	828,394
2021	870,986	3,520	21,804	2,958	842,704
2022	819,395	4,629	21,579	3,158	790,029
2023	747,320	3,777	23,488	2,343	717,713
Year 2022					
January	72,157	390	2,158	282	69,327
February	65,478	385	1,740	281	63,071
March	68,069	443	1,613	228	65,785
April	68,138	403	1,617	171	65,947
May	69,868	269	1,639	274	67,686
June	68,973	296	1,688	367	66,623
July	71,267	330	1,709	327	68,901
August	70,484	360	1,819	375	67,931
Sept	64,897	408	1,977	199	62,313
October	65,076	230	1,763	149	62,935
November	66,976	513	1,895	250	64,318
December	68,011	603	1,960	256	65,192
Year 2023					
January	70,819	369	1,657	249	68,545
February	62,603	289	1,879	163	60,271
March	66,239	302	2,880	223	62,834
April	58,787	338	2,173	162	56,115
May	63,472	273	2,046	81	61,072
June	58,929	336	2,168	254	56,171
July	60,435	353	1,799	129	58,155
August	60,940	374	1,310	221	59,035
Sept	57,254	324	1,133	256	55,540
October	60,417	188	2,787	185	57,258
November	63,922	343	1,962	179	61,439
December	63,502	288	1,694	241	61,279
Year 2024					
January	64,247	354	1,725	285	61,883
February	56,580	255	1,422	138	54,765
March	61,494	393	1,518	75	59,510
Year to Date					
2022	205,704	1,218	5,511	791	198,183
2023	199,661	960	6,416	635	191,650
2024	182,322	1,002	4,665	498	176,158
Rolling 12 Months Ending in March					
2023	813,353	4,372	22,484	3,001	783,495
2024	729,981	3,818	21,736	2,205	702,221

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 2022 and prior years are final. Values for 2023 and 2024 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, 2014-March 2024 (Billion Btus)

		Electric Power Sector			
Period	Total (all sectors)	Electric Utilities	Independent Power Producers	Commercial Sector	Industrial Sector
Annual Totals					
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	1,178,443	34,657	150,717	4,203	988,866
2021	1,199,240	45,387	151,359	3,957	998,537
2022	1,143,159	50,986	146,704	4,297	941,171
2023	1,021,740	37,969	123,587	3,075	857,110
Year 2022					
January	100,746	4,505	13,306	384	82,552
February	92,833	4,457	12,706	376	75,294
March	94,902	3,663	12,524	297	78,418
April	92,516	3,041	10,914	244	78,317
May	95,906	3,810	11,350	384	80,361
June	96,641	4,356	12,401	495	79,388
July	101,457	5,290	13,216	446	82,505
August	100,192	5,624	12,948	545	81,075
Sept	91,014	4,131	12,251	280	74,354
October	88,930	3,412	11,058	191	74,270
November	92,510	3,630	11,759	322	76,800
December	95,513	5,068	12,273	334	77,839
Year 2023					
January	97,606	4,099	11,925	325	81,258
February	85,287	3,459	10,033	210	71,586
March	89,253	2,625	11,630	278	74,720
April	78,375	1,644	9,415	209	67,109
May	87,558	3,009	11,034	105	73,410
June	82,610	3,795	10,925	322	67,569
July	86,067	4,777	11,466	187	69,637
August	86,939	4,568	11,075	306	70,990
Sept	79,224	3,525	9,109	338	66,253
October	78,065	1,700	8,308	246	67,810
November	85,130	2,324	9,202	235	73,369
December	85,625	2,444	9,466	315	73,401
Year 2024					
January	89,221	4,186	10,885	384	73,767
February	77,431	2,813	8,657	175	65,786
March	82,981	1,954	9,816	98	71,113
Year to Date					
2022	288,482	12,626	38,536	1,057	236,264
2023	272,146	10,183	33,587	813	227,563
2024	249,634	8,953	29,358	657	210,666
Rolling 12 Months Ending in March					
2023	1,126,824	48,544	141,756	4,053	932,471
2024	999,228	36,739	119,358	2,919	840,212

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 2022 and prior years are final. Values for 2023 and 2024 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, March 2024 and March 2023 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	5	2	189.0%	0	0	5	2	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	1	2	-14.0%	0	0	1	2	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	3	0	NM	0	0	3	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	643	975	-34.0%	0	0	641	973	0	0	2	2
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	643	975	-34.0%	0	0	641	973	0	0	2	2
East North Central	4,078	5,679	-28.0%	2,670	3,432	1,382	2,215	1	1	24	31
Illinois	966	1,156	-16.0%	70	64	879	1,068	NM	NM	18	25
Indiana	1,199	1,542	-22.0%	1,073	1,373	125	167	0	1	0	0
Michigan	565	1,020	-45.0%	559	1,005	6	14	0	0	NM	NM
Ohio	583	1,137	-49.0%	210	171	373	966	0	0	0	0
Wisconsin	765	824	-7.2%	759	819	0	0	0	0	6	NM
West North Central	4,663	5,915	-21.0%	4,592	5,866	0	0	1	0	70	49
Iowa	299	777	-61.0%	258	750	0	0	0	0	41	26
Kansas	327	836	-61.0%	327	836	0	0	0	0	0	0
Minnesota	416	502	-17.0%	413	499	0	0	0	0	3	3
Missouri	1,263	1,404	-10.0%	1,263	1,404	0	0	0	0	0	0
Nebraska	654	798	-18.0%	631	781	0	0	0	0	23	16
North Dakota	1,633	1,501	8.8%	1,630	1,497	0	0	0	0	3	NM
South Dakota	70	99	-29.0%	70	99	0	0	0	0	0	0
South Atlantic	2,919	3,916	-25.0%	2,723	3,400	186	503	0	0	9	13
Delaware	5	0	--	0	0	5	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	138	553	-75.0%	137	552	0	0	0	0	0	1
Georgia	486	648	-25.0%	483	645	0	0	0	0	3	2
Maryland	55	44	25.0%	0	0	55	44	0	0	0	0
North Carolina	459	449	2.2%	458	447	0	0	0	0	1	2
South Carolina	455	419	8.7%	455	416	0	2	0	0	0	0
Virginia	38	66	-43.0%	32	59	0	0	0	0	5	7
West Virginia	1,284	1,738	-26.0%	1,158	1,281	126	457	0	0	0	0
East South Central	3,267	3,319	-1.6%	3,078	2,991	178	321	0	0	11	7
Alabama	875	869	0.7%	875	869	0	0	0	0	0	0
Kentucky	1,634	1,598	2.3%	1,634	1,598	0	0	0	0	0	0
Mississippi	234	389	-40.0%	56	69	178	321	0	0	0	0
Tennessee	524	463	13.0%	513	456	0	0	0	0	11	7
West South Central	3,002	3,828	-22.0%	1,558	1,668	1,441	2,158	0	0	4	3
Arkansas	503	450	12.0%	357	264	145	185	0	0	1	0
Louisiana	176	34	420.0%	176	34	0	0	0	0	0	0
Oklahoma	63	60	4.6%	60	58	0	0	0	0	3	3
Texas	2,260	3,284	-31.0%	965	1,312	1,295	1,973	0	0	0	0
Mountain	3,476	4,637	-25.0%	2,815	3,793	653	836	0	0	8	8
Arizona	263	413	-36.0%	263	413	0	0	0	0	0	0
Colorado	585	814	-28.0%	585	814	0	0	0	0	0	0
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	517	722	-28.0%	0	0	516	722	0	0	NM	NM
Nevada	112	97	15.0%	61	58	51	39	0	0	0	0
New Mexico	288	520	-45.0%	288	520	0	0	0	0	0	0
Utah	487	614	-21.0%	448	583	38	31	0	0	0	0
Wyoming	1,224	1,458	-16.0%	1,170	1,405	47	44	0	0	8	8
Pacific Contiguous	146	289	-49.0%	0	0	142	285	0	0	5	4
California	4	4	8.1%	0	0	0	0	0	0	4	4
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	142	285	-50.0%	0	0	142	285	0	0	0	1
Pacific Noncontiguous	43	51	-17.0%	NM	NM	NM	NM	4	3	0	0
Alaska	43	51	-17.0%	NM	NM	NM	NM	4	3	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	22,241	28,612	-22.0%	17,467	21,189	4,635	7,301	6	5	133	117

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 March 2024 and March 2023 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
New England	18	47	-61.0%	0	0	18	47	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	3	5	-46.0%	0	0	3	5	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	16	42	-63.0%	0	0	16	42	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	2,891	2,583	12.0%	0	0	2,886	2,578	0	0	5	5
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	2,891	2,583	12.0%	0	0	2,886	2,578	0	0	5	5
East North Central	17,690	18,860	-6.2%	11,481	11,679	6,132	7,090	3	4	74	88
Illinois	3,778	3,886	-2.8%	220	212	3,504	3,601	1	1	54	71
Indiana	5,364	5,323	0.8%	4,931	4,837	431	483	2	2	0	0
Michigan	2,725	3,680	-26.0%	2,705	3,640	19	39	0	0	2	1
Ohio	2,835	3,433	-17.0%	657	467	2,178	2,966	0	0	0	0
Wisconsin	2,987	2,538	18.0%	2,968	2,522	0	0	0	0	19	16
West North Central	18,926	20,033	-5.5%	18,716	19,851	0	0	4	3	206	178
Iowa	1,739	2,052	-15.0%	1,621	1,954	0	0	1	2	117	96
Kansas	1,855	2,705	-31.0%	1,855	2,705	0	0	0	0	0	0
Minnesota	1,884	1,837	2.6%	1,874	1,828	0	0	1	0	9	9
Missouri	5,471	5,508	-0.7%	5,469	5,507	0	0	1	1	0	0
Nebraska	2,509	2,733	-8.2%	2,439	2,670	0	0	0	0	70	63
North Dakota	5,191	5,049	2.8%	5,182	5,038	0	0	0	0	10	10
South Dakota	277	148	87.0%	277	148	0	0	0	0	0	0
South Atlantic	11,362	10,033	13.0%	10,417	8,497	916	1,501	2	0	26	34
Delaware	18	0	--	0	0	18	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	694	1,229	-44.0%	694	1,228	0	0	0	0	1	2
Georgia	2,206	1,335	65.0%	2,197	1,329	0	0	0	0	9	6
Maryland	223	103	116.0%	0	0	223	103	0	0	0	0
North Carolina	1,867	907	106.0%	1,864	901	0	0	2	0	2	6
South Carolina	1,597	1,236	29.0%	1,597	1,227	0	7	0	0	1	1
Virginia	287	316	-9.2%	273	297	0	0	0	0	14	19
West Virginia	4,470	4,906	-8.9%	3,794	3,515	676	1,391	0	0	0	0
East South Central	11,205	10,023	12.0%	10,720	9,292	455	710	0	0	30	20
Alabama	2,694	2,520	6.9%	2,694	2,520	0	0	0	0	0	0
Kentucky	5,610	4,884	15.0%	5,610	4,884	0	0	0	0	0	0
Mississippi	679	886	-23.0%	224	176	455	710	0	0	0	0
Tennessee	2,223	1,732	28.0%	2,193	1,712	0	0	0	0	30	20
West South Central	14,120	13,155	7.3%	7,231	6,305	6,881	6,846	0	0	7	4
Arkansas	2,618	1,954	34.0%	2,136	1,391	480	562	0	0	2	2
Louisiana	875	351	149.0%	638	351	237	0	0	0	0	0
Oklahoma	780	479	63.0%	775	476	0	0	0	0	5	3
Texas	9,847	10,371	-5.1%	3,682	4,087	6,164	6,284	0	0	0	0
Mountain	13,596	15,216	-11.0%	11,336	12,845	2,237	2,347	0	0	24	24
Arizona	1,606	1,883	-15.0%	1,606	1,883	0	0	0	0	0	0
Colorado	2,622	2,676	-2.0%	2,622	2,676	0	0	0	0	0	0
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	1,812	1,988	-8.9%	0	0	1,811	1,987	0	0	NM	NM
Nevada	367	270	36.0%	196	132	171	138	0	0	0	0
New Mexico	1,247	1,292	-3.4%	1,247	1,292	0	0	0	0	0	0
Utah	1,560	2,337	-33.0%	1,445	2,243	115	94	0	0	0	0
Wyoming	4,383	4,769	-8.1%	4,221	4,618	139	128	0	0	23	23
Pacific Contiguous	571	889	-36.0%	0	0	556	874	0	0	15	15
California	13	13	-0.8%	0	0	0	0	0	0	13	13
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	558	876	-36.0%	0	0	556	874	0	0	2	2
Pacific Noncontiguous	149	129	16.0%	110	90	26	27	13	12	0	0
Alaska	149	129	16.0%	110	90	26	27	13	12	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	90,527	90,968	-0.5%	70,012	68,559	20,107	22,020	22	19	387	370

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

Table 2.9.A. Consumption of Petroleum Liquids for Electricity Generation by State, by Sector, March 2024 and March 2023 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	21	29	-27.0%	NM	NM	NM	22	3	3	0	1
Connecticut	NM	18	NM	1	NM	NM	17	NM	NM	NM	NM
Maine	1	2	-60.0%	0	0	0	NM	0	0	0	1
Massachusetts	5	NM	NM	NM	NM	NM	NM	1	NM	NM	0
New Hampshire	1	2	-17.0%	0	0	NM	NM	1	1	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	NM	NM	NM	NM	NM	0	0	0	0	0	0
Middle Atlantic	31	78	-60.0%	NM	21	NM	47	NM	4	3	5
New Jersey	NM	NM	NM	0	0	NM	NM	NM	NM	0	0
New York	20	54	-64.0%	NM	21	NM	27	NM	NM	1	2
Pennsylvania	NM	21	NM	NM	NM	NM	NM	1	1	3	3
East North Central	64	90	-29.0%	38	40	23	48	0	0	3	2
Illinois	NM	5	NM	NM	NM	NM	4	NM	NM	0	0
Indiana	9	27	-68.0%	9	12	0	15	0	0	0	0
Michigan	22	16	35.0%	22	16	0	0	0	NM	0	0
Ohio	23	33	-31.0%	NM	NM	21	29	NM	0	1	0
Wisconsin	7	8	-18.0%	NM	7	0	0	NM	0	2	1
West North Central	67	79	-15.0%	66	78	NM	NM	NM	NM	0	0
Iowa	14	17	-17.0%	14	17	NM	NM	0	0	NM	NM
Kansas	16	12	36.0%	16	12	0	0	0	0	0	0
Minnesota	5	7	-22.0%	5	6	NM	NM	NM	NM	0	0
Missouri	13	21	-38.0%	13	21	0	0	0	0	0	0
Nebraska	NM	6	NM	NM	6	0	0	0	0	0	0
North Dakota	11	13	-20.0%	11	13	0	0	0	0	0	0
South Dakota	NM	2	NM	NM	2	0	0	NM	NM	0	0
South Atlantic	139	140	-0.2%	107	103	14	14	8	5	10	18
Delaware	NM	NM	NM	0	0	NM	NM	0	0	0	0
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	14	24	-44.0%	12	23	NM	1	0	0	NM	1
Georgia	13	23	-41.0%	NM	9	NM	NM	NM	NM	7	13
Maryland	8	6	39.0%	NM	NM	8	6	NM	0	0	NM
North Carolina	47	18	164.0%	46	15	NM	NM	NM	NM	NM	2
South Carolina	14	22	-38.0%	NM	21	NM	1	0	0	2	0
Virginia	25	25	0.8%	NM	15	NM	4	8	5	NM	1
West Virginia	17	19	-15.0%	17	19	0	0	0	0	0	0
East South Central	19	41	-54.0%	18	41	NM	NM	0	0	NM	NM
Alabama	NM	NM	NM	NM	NM	NM	NM	0	0	NM	NM
Kentucky	5	12	-55.0%	5	12	0	0	0	0	0	0
Mississippi	3	2	22.0%	3	2	0	0	0	0	0	0
Tennessee	11	27	-61.0%	11	27	0	0	0	0	0	0
West South Central	41	41	-2.2%	15	14	25	27	NM	NM	1	0
Arkansas	7	6	5.3%	6	6	0	1	0	0	NM	NM
Louisiana	NM	2	NM	NM	2	0	0	0	0	0	0
Oklahoma	3	NM	NM	2	NM	0	0	0	0	0	0
Texas	30	33	-8.5%	6	7	24	26	NM	NM	0	0
Mountain	23	23	1.0%	19	22	4	NM	NM	NM	0	0
Arizona	2	3	-37.0%	2	3	0	0	NM	NM	0	0
Colorado	NM	4	NM	NM	4	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Nevada	1	1	-21.0%	0	1	1	0	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	2	4	-37.0%	2	3	0	1	0	0	0	0
Wyoming	10	9	5.2%	10	9	0	0	0	0	0	0
Pacific Contiguous	NM	19	NM	6	8	7	6	2	2	NM	2
California	14	12	12.0%	6	6	5	4	2	2	1	NM
Oregon	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Washington	NM	6	NM	NM	2	2	2	0	0	NM	NM
Pacific Noncontiguous	1,036	1,174	-12.0%	861	950	153	199	1	1	20	23
Alaska	158	136	17.0%	148	125	0	0	0	1	10	10
Hawaii	878	1,038	-15.0%	713	825	153	199	1	1	11	13
U.S. Total	1,459	1,713	-15.0%	1,142	1,280	259	365	17	16	40	52

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
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 March 2024 and March 2023 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
New England	182	384	-53.0%	12	27	158	343	9	10	4	4
Connecticut	85	123	-31.0%	2	2	82	119	0	1	1	1
Maine	20	60	-67.0%	0	0	17	57	0	0	2	3
Massachusetts	59	93	-37.0%	NM	25	46	66	3	3	0	0
New Hampshire	5	72	-93.0%	0	0	NM	67	4	5	0	0
Rhode Island	12	36	-65.0%	0	0	NM	35	1	1	0	0
Vermont	NM	NM	NM	NM	NM	0	0	0	0	0	0
Middle Atlantic	364	428	-15.0%	130	140	213	265	8	10	13	14
New Jersey	18	32	-46.0%	0	0	18	32	NM	NM	0	0
New York	254	342	-26.0%	130	140	117	189	NM	7	2	6
Pennsylvania	93	54	70.0%	0	0	78	44	3	3	11	8
East North Central	235	222	5.6%	125	117	104	102	1	0	4	3
Illinois	14	14	-0.3%	NM	3	12	12	NM	NM	0	0
Indiana	37	63	-42.0%	36	48	0	15	1	0	0	0
Michigan	52	38	39.0%	52	37	0	0	0	NM	0	1
Ohio	108	85	26.0%	14	9	92	75	0	0	1	1
Wisconsin	24	22	11.0%	NM	20	0	1	0	0	3	1
West North Central	359	245	47.0%	356	242	NM	NM	1	0	1	1
Iowa	62	45	36.0%	61	45	1	NM	0	NM	NM	NM
Kansas	91	40	129.0%	91	40	0	0	0	0	0	0
Minnesota	21	21	-1.1%	NM	20	NM	NM	1	0	1	1
Missouri	106	78	35.0%	106	78	0	0	0	0	0	0
Nebraska	34	19	75.0%	34	19	0	0	0	0	0	0
North Dakota	36	32	11.0%	36	32	0	0	0	0	0	0
South Dakota	NM	8	NM	NM	8	0	0	NM	NM	0	0
South Atlantic	724	422	72.0%	486	299	168	58	24	19	45	47
Delaware	18	NM	NM	0	1	18	NM	0	0	0	0
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	65	75	-14.0%	56	70	NM	2	0	0	3	4
Georgia	83	52	59.0%	35	18	NM	NM	0	0	34	33
Maryland	70	24	193.0%	1	0	69	23	NM	0	NM	NM
North Carolina	184	43	330.0%	147	35	33	NM	NM	NM	2	6
South Carolina	72	46	56.0%	69	43	NM	2	0	0	3	1
Virginia	178	79	124.0%	123	41	29	17	22	19	4	3
West Virginia	54	91	-40.0%	54	91	0	0	0	0	0	0
East South Central	80	107	-25.0%	78	106	NM	NM	0	0	2	1
Alabama	14	8	84.0%	13	7	NM	NM	0	0	NM	NM
Kentucky	27	28	-2.5%	27	28	0	0	0	0	0	0
Mississippi	5	3	40.0%	4	3	0	0	0	0	1	0
Tennessee	34	69	-50.0%	34	68	0	0	0	0	0	0
West South Central	204	135	51.0%	104	53	96	81	NM	NM	3	1
Arkansas	21	19	9.4%	18	15	3	3	0	0	NM	NM
Louisiana	NM	3	NM	NM	3	0	0	0	0	0	0
Oklahoma	13	5	156.0%	11	5	0	0	0	0	2	0
Texas	164	108	51.0%	69	30	93	77	NM	NM	1	1
Mountain	112	74	52.0%	97	68	15	5	NM	NM	0	1
Arizona	9	9	-1.2%	9	9	0	0	NM	NM	0	0
Colorado	49	18	174.0%	42	17	7	0	0	0	0	1
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	19	3	648.0%	13	NM	7	2	0	0	0	0
Nevada	3	3	-8.8%	2	3	1	0	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	9	13	-33.0%	8	11	1	2	0	0	0	0
Wyoming	20	26	-22.0%	20	26	0	0	0	0	0	0
Pacific Contiguous	73	64	13.0%	33	27	17	7	6	9	16	20
California	47	44	4.8%	17	17	12	4	6	8	12	16
Oregon	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Washington	26	19	34.0%	16	10	5	3	0	1	4	5
Pacific Noncontiguous	3,331	3,422	-2.7%	2,857	2,898	407	456	4	4	63	63
Alaska	440	402	9.4%	413	377	0	0	1	1	25	24
Hawaii	2,891	3,020	-4.3%	2,444	2,522	407	456	2	3	38	39
U.S. Total	5,664	5,504	2.9%	4,278	3,978	1,180	1,318	54	54	152	155

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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, March 2024 and March 2023 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
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	38	NM	NM	19	22	NM	NM	0	0	4	7
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	23	30	-21.0%	19	22	0	0	0	0	4	7
Ohio	15	NM	NM	0	0	NM	NM	0	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	0	0	-100.0%	0	0	0	0	0	0	0	0
Iowa	0	0	-100.0%	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	NM	NM	NM	3	20	0	0	0	0	NM	NM
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	3	20	-86.0%	3	20	0	0	0	0	0	0
Georgia	NM	NM	NM	0	0	0	0	0	0	NM	NM
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	2	35	-94.0%	0	31	0	0	0	0	2	4
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	31	-100.0%	0	31	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	2	4	-39.0%	0	0	0	0	0	0	2	4
Mountain	16	16	-1.4%	0	0	16	16	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	16	-1.4%	0	0	16	16	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	59	115	-49.0%	22	73	30	NM	0	0	7	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 March 2024 and March 2023 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 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	202	163	24.0%	144	105	46	NM	0	0	12	17
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	155	116	34.0%	143	99	0	0	0	0	12	17
Ohio	46	NM	NM	0	0	46	NM	0	0	0	0
Wisconsin	1	6	-79.0%	1	6	0	0	0	0	0	0
West North Central	0	0	15.0%	0	0	0	0	0	0	0	0
Iowa	0	0	15.0%	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	27	121	-77.0%	26	117	0	0	0	0	NM	NM
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	26	117	-77.0%	26	117	0	0	0	0	0	0
Georgia	NM	NM	NM	0	0	0	0	0	0	NM	NM
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	23	84	-73.0%	15	75	0	0	0	0	8	9
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	15	75	-80.0%	15	75	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	8	9	-16.0%	0	0	0	0	0	0	8	9
Mountain	44	46	-5.4%	0	0	44	46	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	44	46	-5.4%	0	0	44	46	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	297	414	-28.0%	186	296	90	87	0	0	20	30

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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, March 2024 and March 2023 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	31,675	29,671	6.8%	27	30	30,489	28,498	549	467	610	677
Connecticut	13,940	14,330	-2.7%	26	30	13,403	13,850	151	130	358	319
Maine	2,556	1,839	39.0%	0	0	2,502	1,665	12	14	42	160
Massachusetts	9,893	7,229	37.0%	0	0	9,479	6,874	365	302	48	52
New Hampshire	1,782	1,840	-3.1%	0	0	1,757	1,818	8	6	16	15
Rhode Island	3,503	4,433	-21.0%	0	0	3,347	4,290	11	13	NM	NM
Vermont	2	1	27.0%	1	0	0	0	1	1	0	0
Middle Atlantic	128,200	125,437	2.2%	7,672	7,102	117,154	114,952	822	663	2,552	2,720
New Jersey	12,375	13,648	-9.3%	NM	NM	11,823	13,224	184	NM	201	185
New York	34,978	29,790	17.0%	7,491	7,014	26,548	21,981	578	467	362	328
Pennsylvania	80,847	81,999	-1.4%	15	5	78,783	79,746	60	40	1,990	2,208
East North Central	131,803	125,084	5.4%	48,194	48,596	79,319	72,536	706	665	3,584	3,287
Illinois	13,663	11,786	16.0%	1,772	1,189	11,021	9,917	200	186	671	495
Indiana	23,120	22,299	3.7%	11,233	11,798	10,089	8,744	93	68	1,705	1,689
Michigan	30,692	31,265	-1.8%	13,109	13,345	16,931	17,321	268	274	384	325
Ohio	47,876	43,437	10.0%	6,506	6,691	41,119	36,504	105	91	146	150
Wisconsin	16,452	16,297	1.0%	15,574	15,574	159	50	41	46	678	628
West North Central	24,670	23,638	4.4%	21,042	18,843	2,422	3,751	181	161	1,025	882
Iowa	4,194	5,944	-29.0%	3,747	5,593	NM	NM	83	73	363	277
Kansas	4,491	2,720	65.0%	4,264	2,524	0	0	0	0	227	196
Minnesota	8,302	7,182	16.0%	5,605	4,627	2,324	2,191	28	37	345	327
Missouri	4,071	4,258	-4.4%	3,896	2,631	98	1,560	64	50	13	17
Nebraska	1,028	947	8.6%	1,016	946	0	0	5	1	7	0
North Dakota	1,440	1,506	-4.4%	1,424	1,489	0	0	0	0	17	17
South Dakota	1,143	1,082	5.7%	1,091	1,034	0	0	0	0	53	48
South Atlantic	214,583	219,196	-2.1%	181,722	181,813	29,962	34,381	654	578	2,245	2,424
Delaware	1,033	2,050	-50.0%	0	12	801	1,557	0	0	232	481
District of Columbia	145	NM	NM	0	0	0	0	145	NM	0	0
Florida	105,702	102,116	3.5%	102,051	96,698	2,945	4,618	NM	NM	643	738
Georgia	27,817	33,207	-16.0%	21,279	25,755	6,084	7,070	0	0	454	382
Maryland	5,562	10,448	-47.0%	937	3,102	4,289	7,049	316	279	20	NM
North Carolina	25,823	30,393	-15.0%	20,604	24,448	5,048	5,740	115	121	57	83
South Carolina	10,573	14,092	-25.0%	10,150	13,754	349	258	0	0	74	80
Virginia	35,892	25,766	39.0%	26,575	17,919	8,734	7,383	15	10	569	454
West Virginia	2,034	1,019	100.0%	126	125	1,712	705	0	0	196	190
East South Central	68,459	80,845	-15.0%	56,065	58,945	10,465	20,018	92	NM	1,836	1,798
Alabama	25,727	32,900	-22.0%	14,462	12,281	10,465	19,851	0	0	801	768
Kentucky	5,555	8,034	-31.0%	5,472	7,792	0	159	0	0	83	83
Mississippi	27,780	32,280	-14.0%	27,533	32,021	1	7	0	0	246	252
Tennessee	9,397	7,630	23.0%	8,598	6,851	0	0	92	NM	707	695
West South Central	208,635	201,218	3.7%	89,158	79,241	88,788	89,748	388	331	30,301	31,898
Arkansas	12,285	13,722	-10.0%	11,487	13,058	693	559	NM	NM	76	70
Louisiana	39,952	38,828	2.9%	27,407	24,804	1,198	2,432	NM	NM	11,332	11,576
Oklahoma	20,991	20,598	1.9%	16,772	13,788	3,892	6,497	0	0	327	312
Texas	135,408	128,071	5.7%	33,493	27,591	83,006	80,260	342	281	18,567	19,940
Mountain	68,337	71,543	-4.5%	57,582	58,831	9,489	11,415	NM	233	1,046	1,063
Arizona	23,102	23,048	0.2%	18,832	17,669	4,219	5,331	51	48	0	0
Colorado	12,112	11,428	6.0%	9,973	9,759	2,040	1,577	0	0	99	91
Idaho	3,668	3,120	18.0%	2,467	1,861	1,118	1,194	15	15	68	49
Montana	635	887	-28.0%	497	798	137	89	0	0	NM	NM
Nevada	11,982	14,728	-19.0%	11,170	13,467	512	890	21	21	279	349
New Mexico	7,562	8,991	-16.0%	6,130	6,635	1,393	2,246	NM	NM	2	67
Utah	7,031	7,973	-12.0%	6,689	7,682	NM	NM	NM	107	174	97
Wyoming	2,246	1,369	64.0%	1,824	959	0	0	0	0	422	409
Pacific Contiguous	59,016	76,312	-23.0%	24,626	33,167	28,046	36,939	786	912	5,558	5,294
California	34,064	49,631	-31.0%	9,571	17,192	18,741	26,809	763	754	4,988	4,877
Oregon	14,709	13,785	6.7%	7,453	7,297	7,178	6,422	19	19	60	47
Washington	10,243	12,896	-21.0%	7,602	8,678	2,127	3,709	5	139	510	370
Pacific Noncontiguous	2,603	2,759	-5.6%	2,583	2,733	0	0	0	0	20	26
Alaska	2,603	2,759	-5.6%	2,583	2,733	0	0	0	0	20	26
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	937,983	955,703	-1.9%	488,672	489,302	396,135	412,237	4,398	4,094	48,778	50,070

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

Table 2.11.B. Consumption of Nautral Gas for Electricity Generation by State, by Sector, Year-to-Date through March 2024 and March 2023 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
New England	96,445	87,148	11.0%	NM	82	92,791	83,618	1,667	1,399	1,853	2,049
Connecticut	40,363	39,954	1.0%	82	81	38,728	38,539	461	391	1,091	942
Maine	7,312	5,071	44.0%	0	0	7,140	4,511	36	37	137	523
Massachusetts	31,801	24,896	28.0%	NM	0	30,502	23,828	1,112	914	139	154
New Hampshire	5,849	4,617	27.0%	0	0	5,779	4,557	22	17	49	44
Rhode Island	11,115	12,606	-12.0%	0	0	10,643	12,183	35	38	437	386
Vermont	4	3	36.0%	3	1	0	0	1	2	0	0
Middle Atlantic	399,692	380,103	5.2%	25,391	22,611	363,898	347,509	2,547	2,058	7,856	7,924
New Jersey	47,995	40,361	19.0%	NM	NM	46,529	39,082	566	470	604	592
New York	113,401	95,314	19.0%	25,056	22,360	85,455	70,555	1,789	1,417	1,101	982
Pennsylvania	238,297	244,427	-2.5%	40	34	231,914	237,872	193	171	6,150	6,351
East North Central	409,687	363,648	13.0%	147,831	133,428	248,980	218,712	2,094	2,032	10,782	9,477
Illinois	45,496	39,315	16.0%	5,486	3,946	37,413	33,263	628	582	1,969	1,523
Indiana	68,835	64,988	5.9%	33,516	31,036	29,848	28,884	226	229	5,244	4,839
Michigan	96,789	86,343	12.0%	41,412	33,423	53,510	51,165	797	808	1,070	948
Ohio	148,094	123,564	20.0%	19,388	18,147	127,868	104,687	322	280	516	449
Wisconsin	50,472	49,438	2.1%	48,030	46,876	340	712	121	133	1,982	1,717
West North Central	84,011	63,353	33.0%	69,574	50,401	10,967	9,793	488	467	2,982	2,693
Iowa	16,785	16,861	-0.5%	15,576	15,843	NM	NM	233	188	976	830
Kansas	11,352	7,006	62.0%	10,647	6,331	0	0	0	0	704	675
Minnesota	26,737	17,923	49.0%	18,168	11,024	7,433	5,822	100	119	1,035	958
Missouri	15,653	11,972	31.0%	11,934	7,793	3,533	3,971	143	156	44	53
Nebraska	4,028	2,542	58.0%	3,980	2,538	0	0	13	4	35	0
North Dakota	4,870	4,120	18.0%	4,832	4,077	0	0	0	0	38	43
South Dakota	4,586	2,929	57.0%	4,437	2,795	0	0	0	0	149	134
South Atlantic	675,235	652,849	3.4%	563,835	549,224	102,475	94,890	1,863	1,659	7,062	7,076
Delaware	5,543	5,744	-3.5%	1	20	4,393	4,345	0	0	1,149	1,378
District of Columbia	381	262	46.0%	0	0	0	0	381	262	0	0
Florida	300,924	288,615	4.3%	286,067	272,526	13,025	13,926	196	186	1,636	1,977
Georgia	98,546	101,702	-3.1%	79,203	82,450	17,895	18,039	0	0	1,448	1,213
Maryland	18,913	23,784	-20.0%	3,521	7,575	14,441	15,350	882	803	69	56
North Carolina	95,550	104,449	-8.5%	79,546	88,190	15,434	15,661	376	351	193	247
South Carolina	36,130	40,157	-10.0%	34,990	39,205	921	729	0	0	219	223
Virginia	113,566	84,202	35.0%	80,069	59,032	31,798	23,752	27	57	1,672	1,361
West Virginia	5,682	3,934	44.0%	438	225	4,568	3,088	0	0	676	621
East South Central	244,840	236,688	3.4%	192,453	171,545	46,391	59,639	267	259	5,729	5,244
Alabama	91,832	96,086	-4.4%	44,172	34,795	45,210	59,030	0	0	2,449	2,261
Kentucky	24,774	23,879	3.7%	23,356	23,046	1,168	589	0	0	250	243
Mississippi	97,370	93,032	4.7%	96,608	92,283	13	21	0	0	749	728
Tennessee	30,865	23,692	30.0%	28,317	21,421	0	0	267	259	2,281	2,012
West South Central	661,168	602,734	9.7%	264,127	242,481	298,082	262,626	1,229	1,009	97,729	96,619
Arkansas	32,742	41,573	-21.0%	30,688	39,773	1,712	1,470	NM	NM	241	229
Louisiana	118,440	108,075	9.6%	75,439	65,739	5,197	5,340	116	NM	37,688	36,926
Oklahoma	77,303	62,721	23.0%	55,192	41,972	21,157	19,746	1	0	953	1,002
Texas	432,683	390,366	11.0%	102,808	94,997	270,017	236,070	1,012	837	58,847	58,462
Mountain	223,419	212,828	5.0%	184,300	174,950	35,058	34,652	686	581	3,375	2,644
Arizona	74,024	68,109	8.7%	57,005	51,010	16,877	16,987	141	112	0	0
Colorado	36,367	35,655	2.0%	30,104	30,382	5,958	5,016	4	1	302	255
Idaho	11,736	10,043	17.0%	7,838	6,475	3,622	3,367	44	44	231	157
Montana	2,461	3,265	-25.0%	2,052	2,754	407	510	0	0	NM	NM
Nevada	43,780	42,845	2.2%	41,096	40,273	1,581	1,754	62	62	1,040	757
New Mexico	24,681	25,957	-4.9%	18,137	19,009	6,366	6,757	NM	123	63	67
Utah	23,900	22,492	6.3%	22,786	21,726	NM	259	NM	239	551	268
Wyoming	6,470	4,462	45.0%	5,282	3,321	2	1	0	0	1,186	1,139
Pacific Contiguous	229,266	232,881	-1.6%	97,135	94,428	114,191	121,097	2,287	2,547	15,654	14,809
California	149,454	159,692	-6.4%	47,997	51,418	85,074	92,640	2,221	2,069	14,163	13,565
Oregon	44,978	41,523	8.3%	23,559	21,644	21,208	19,688	55	56	156	136
Washington	34,834	31,665	10.0%	25,579	21,366	7,909	8,768	10	423	1,335	1,108
Pacific Noncontiguous	8,680	7,836	11.0%	8,614	7,760	0	0	0	0	66	77
Alaska	8,680	7,836	11.0%	8,614	7,760	0	0	0	0	66	77
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	3,032,443	2,840,068	6.8%	1,553,395	1,446,910	1,312,832	1,232,536	13,129	12,010	153,087	148,612

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

Table 2.12.A. Consumption of Landfill Gas for Electricity Generation by State, by Sector, March 2024 and March 2023 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	948	929	2.0%	NM	NM	841	825	18	21	0	0
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	NM	NM	NM	0	0	NM	NM	0	0	0	0
Massachusetts	246	211	16.0%	0	0	246	211	0	0	0	0
New Hampshire	122	125	-2.3%	0	0	NM	104	18	21	0	0
Rhode Island	418	442	-5.4%	0	0	418	442	0	0	0	0
Vermont	NM	97	NM	NM	NM	NM	NM	0	0	0	0
Middle Atlantic	2,634	2,747	-4.1%	0	0	2,476	2,564	NM	NM	130	156
New Jersey	271	371	-27.0%	0	0	267	369	NM	2	0	0
New York	1,280	1,232	3.9%	0	0	1,280	1,232	0	0	0	0
Pennsylvania	1,082	1,143	-5.3%	0	0	929	963	NM	NM	130	156
East North Central	3,618	3,701	-2.2%	724	744	2,866	2,936	10	6	18	15
Illinois	593	605	-2.0%	184	216	409	389	0	0	0	0
Indiana	648	627	3.2%	540	527	107	100	0	0	0	0
Michigan	1,452	1,576	-7.9%	0	0	1,452	1,576	0	0	0	0
Ohio	241	229	5.3%	0	0	241	229	0	0	0	0
Wisconsin	684	663	3.2%	0	0	656	642	10	6	18	15
West North Central	742	645	15.0%	329	240	404	396	0	0	NM	NM
Iowa	179	181	-1.3%	0	0	179	181	0	0	0	0
Kansas	NM	120	NM	0	0	NM	120	0	0	0	0
Minnesota	NM	84	NM	NM	NM	NM	NM	0	0	0	0
Missouri	191	116	64.0%	122	NM	NM	NM	0	0	0	0
Nebraska	NM	135	NM	NM	135	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	3,702	3,310	12.0%	338	238	3,278	2,986	NM	NM	75	74
Delaware	NM	123	NM	0	0	NM	108	0	0	NM	NM
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	749	683	9.7%	125	116	624	566	0	0	0	0
Georgia	500	431	16.0%	0	0	500	431	0	0	0	0
Maryland	NM	121	NM	0	0	NM	121	0	0	0	0
North Carolina	722	671	7.5%	0	0	722	671	0	0	0	0
South Carolina	291	198	47.0%	213	122	NM	NM	0	0	NM	NM
Virginia	1,153	1,076	7.1%	0	0	1,142	1,065	NM	NM	0	0
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	388	384	1.2%	NM	173	229	211	0	0	0	0
Alabama	NM	NM	NM	0	0	NM	NM	0	0	0	0
Kentucky	201	204	-1.1%	NM	173	NM	NM	0	0	0	0
Mississippi	NM	NM	NM	0	0	NM	NM	0	0	0	0
Tennessee	NM	88	NM	0	0	NM	88	0	0	0	0
West South Central	420	491	-15.0%	0	0	420	491	0	0	0	0
Arkansas	NM	97	NM	0	0	NM	97	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	NM	NM	NM	0	0	NM	NM	0	0	0	0
Texas	257	322	-20.0%	0	0	257	322	0	0	0	0
Mountain	540	510	5.8%	NM	NM	403	391	76	77	0	0
Arizona	NM	NM	NM	0	0	NM	NM	0	0	0	0
Colorado	NM	NM	NM	0	0	NM	NM	0	0	0	0
Idaho	NM	113	NM	NM	NM	NM	NM	NM	NM	0	0
Montana	NM	NM	NM	NM	NM	0	0	0	0	0	0
Nevada	NM	115	NM	0	0	NM	115	0	0	0	0
New Mexico	NM	NM	NM	0	0	NM	NM	0	0	0	0
Utah	NM	131	NM	0	0	NM	107	17	25	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	3,766	3,925	-4.1%	NM	117	2,794	2,807	856	1,002	0	0
California	3,216	3,396	-5.3%	NM	NM	2,385	2,421	825	969	0	0
Oregon	461	456	1.1%	NM	111	320	312	NM	NM	0	0
Washington	NM	NM	NM	0	0	NM	NM	0	0	0	0
Pacific Noncontiguous	66	66	0.3%	0	0	0	0	66	66	0	0
Alaska	66	66	0.3%	0	0	0	0	66	66	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	16,824	16,708	0.7%	1,817	1,637	13,712	13,607	1,064	1,209	232	254

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

Table 2.12.B. Consumption of Landfill Gas for Electricity Generation by State, by Sector, Year-to-Date through March 2024 and March 2023 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
New England	2,747	2,714	1.2%	252	249	2,437	2,409	58	55	0	0
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	NM	126	NM	0	0	NM	126	0	0	0	0
Massachusetts	663	634	4.5%	0	0	663	634	0	0	0	0
New Hampshire	364	363	0.4%	0	0	307	307	58	55	0	0
Rhode Island	1,265	1,266	-0.1%	0	0	1,265	1,266	0	0	0	0
Vermont	294	289	1.8%	252	249	NM	NM	0	0	0	0
Middle Atlantic	7,498	7,974	-6.0%	0	0	7,054	7,518	88	105	356	351
New Jersey	862	1,050	-18.0%	0	0	848	1,034	NM	NM	0	0
New York	3,594	3,578	0.4%	0	0	3,594	3,578	0	0	0	0
Pennsylvania	3,042	3,346	-9.1%	0	0	2,612	2,906	74	NM	356	351
East North Central	10,401	11,141	-6.6%	2,091	2,191	8,220	8,842	30	56	59	53
Illinois	1,753	1,769	-0.9%	586	617	1,167	1,152	0	0	0	0
Indiana	1,849	1,848	0.1%	1,506	1,574	344	274	0	0	0	0
Michigan	4,088	4,663	-12.0%	0	0	4,088	4,663	0	0	0	0
Ohio	685	882	-22.0%	0	0	685	882	0	0	0	0
Wisconsin	2,027	1,980	2.4%	0	0	1,938	1,871	30	56	59	53
West North Central	1,979	1,934	2.3%	813	741	1,138	1,165	0	0	28	28
Iowa	497	523	-5.1%	0	0	497	523	0	0	0	0
Kansas	347	357	-2.7%	0	0	347	357	0	0	0	0
Minnesota	289	252	15.0%	180	142	NM	110	0	0	0	0
Missouri	442	352	25.0%	257	178	185	174	0	0	0	0
Nebraska	376	421	-11.0%	376	421	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	28	28	-0.4%	0	0	0	0	0	0	28	28
South Atlantic	10,125	9,753	3.8%	791	628	9,070	8,848	NM	NM	230	239
Delaware	370	368	0.4%	0	0	323	321	0	0	47	47
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2,032	1,938	4.9%	297	258	1,735	1,680	0	0	0	0
Georgia	1,358	1,297	4.7%	0	0	1,357	1,288	0	0	2	10
Maryland	375	361	4.0%	0	0	375	361	0	0	0	0
North Carolina	2,070	2,049	1.1%	0	0	2,070	2,049	0	0	0	0
South Carolina	727	605	20.0%	494	370	NM	NM	0	0	182	183
Virginia	3,154	3,112	1.3%	0	0	3,120	3,074	NM	NM	0	0
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	1,097	1,155	-5.0%	456	538	641	617	0	0	0	0
Alabama	223	225	-1.1%	0	0	223	225	0	0	0	0
Kentucky	563	618	-8.8%	456	538	107	80	0	0	0	0
Mississippi	NM	NM	NM	0	0	NM	NM	0	0	0	0
Tennessee	262	262	-0.3%	0	0	262	262	0	0	0	0
West South Central	1,384	1,468	-5.7%	0	0	1,384	1,468	0	0	0	0
Arkansas	290	289	0.1%	0	0	290	289	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	196	216	-9.3%	0	0	196	216	0	0	0	0
Texas	899	963	-6.6%	0	0	899	963	0	0	0	0
Mountain	1,481	1,463	1.3%	152	126	1,101	1,117	228	220	0	0
Arizona	NM	106	NM	0	0	NM	106	0	0	0	0
Colorado	215	216	-0.4%	0	0	215	216	0	0	0	0
Idaho	381	341	12.0%	NM	82	NM	99	171	160	0	0
Montana	NM	NM	NM	NM	NM	0	0	0	0	0	0
Nevada	375	346	8.3%	0	0	375	346	0	0	0	0
New Mexico	NM	83	NM	0	0	NM	83	0	0	0	0
Utah	262	327	-20.0%	0	0	205	267	56	60	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	11,230	11,820	-5.0%	327	329	8,240	8,406	2,663	3,085	0	0
California	9,731	10,344	-5.9%	NM	NM	7,149	7,341	2,568	2,986	0	0
Oregon	1,263	1,257	0.5%	312	312	856	845	95	99	0	0
Washington	236	219	7.5%	0	0	236	219	0	0	0	0
Pacific Noncontiguous	207	191	8.4%	0	0	0	0	207	191	0	0
Alaska	207	191	8.4%	0	0	0	0	207	191	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	48,150	49,613	-2.9%	4,883	4,801	39,286	40,390	3,307	3,750	673	671

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

Table 2.13.A. Consumption of Biogenic Municipal Solid Waste for Electricity Generation by State, by Sector, March 2024 and March 2023 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	237	253	-6.4%	0	0	158	159	78	93	0	0
Connecticut	73	70	3.6%	0	0	73	70	0	0	0	0
Maine	13	15	-19.0%	0	0	9	10	4	6	0	0
Massachusetts	141	157	-11.0%	0	0	66	69	75	88	0	0
New Hampshire	11	10	9.0%	0	0	11	10	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	414	381	8.6%	0	0	174	168	240	213	0	0
New Jersey	113	99	14.0%	0	0	30	28	83	71	0	0
New York	145	128	13.0%	0	0	28	27	117	100	0	0
Pennsylvania	157	155	1.5%	0	0	116	113	41	41	0	0
East North Central	13	14	-1.0%	1	2	0	0	12	12	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	1	1	-15.0%	0	0	0	0	1	1	0	0
Michigan	11	10	6.6%	0	0	0	0	11	10	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	1	2	-33.0%	1	2	0	0	0	0	0	0
West North Central	28	39	-28.0%	12	20	16	19	NM	NM	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	28	39	-28.0%	12	20	16	19	NM	NM	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	342	342	0.0%	0	0	195	193	147	149	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	218	219	-0.6%	0	0	150	151	67	68	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	45	42	7.7%	0	0	45	42	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	79	81	-2.4%	0	0	0	0	79	81	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	1	0	--	0	0	0	0	1	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	1	0	--	0	0	0	0	1	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	29	47	-39.0%	0	0	22	36	7	11	0	0
California	7	25	-71.0%	0	0	0	14	7	11	0	0
Oregon	7	7	-6.2%	0	0	7	7	0	0	0	0
Washington	15	15	-0.1%	0	0	15	15	0	0	0	0
Pacific Noncontiguous	35	34	1.7%	0	0	0	0	35	34	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	35	34	1.7%	0	0	0	0	35	34	0	0
U.S. Total	1,098	1,110	-1.0%	13	21	565	575	520	513	0	0

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

Table 2.13.B. Consumption of Biogenic Municipal Solid Waste for Electricity Generation by State, by Sector, Year-to-Date through March 2024 and March 2023 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
New England	729	738	-1.3%	0	0	473	464	256	274	0	0
Connecticut	217	205	5.9%	0	0	217	205	0	0	0	0
Maine	36	41	-13.0%	0	0	26	28	10	14	0	0
Massachusetts	450	465	-3.2%	0	0	204	205	246	260	0	0
New Hampshire	26	27	-4.0%	0	0	26	27	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	1,189	1,105	7.6%	0	0	496	477	693	628	0	0
New Jersey	327	289	13.0%	0	0	88	83	239	205	0	0
New York	406	377	7.7%	0	0	74	73	333	304	0	0
Pennsylvania	455	439	3.7%	0	0	334	321	121	118	0	0
East North Central	41	40	1.0%	7	7	0	0	33	33	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	4	4	-4.1%	0	0	0	0	4	4	0	0
Michigan	30	29	2.0%	0	0	0	0	30	29	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	7	7	0.1%	7	7	0	0	0	0	0	0
West North Central	98	109	-10.0%	44	54	54	56	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	98	109	-10.0%	44	54	54	56	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	1,103	1,129	-2.3%	0	0	589	630	514	499	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	727	770	-5.7%	0	0	453	506	273	264	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	135	124	9.5%	0	0	135	124	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	241	235	2.8%	0	0	0	0	241	235	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	1	0	--	0	0	0	0	1	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	1	0	--	0	0	0	0	1	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	93	137	-32.0%	0	0	68	103	26	34	0	0
California	35	76	-54.0%	0	0	10	43	26	34	0	0
Oregon	16	22	-25.0%	0	0	16	22	0	0	0	0
Washington	42	39	8.0%	0	0	42	39	0	0	0	0
Pacific Noncontiguous	84	99	-15.0%	0	0	0	0	84	99	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	84	99	-15.0%	0	0	0	0	84	99	0	0
U.S. Total	3,339	3,358	-0.6%	52	61	1,679	1,730	1,608	1,566	0	0

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

Table 2.14.A. Consumption of Wood / Wood Waste Biomass for Electricity Generation by State, by Sector, March 2024 and March 2023 (Billion Btus)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	1,991	2,202	-9.6%	156	342	1,571	1,583	1	0	264	277
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	954	1,016	-6.0%	0	0	691	739	0	0	264	277
Massachusetts	0	NM	NM	0	0	0	NM	0	0	0	0
New Hampshire	720	667	8.0%	0	0	720	667	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	317	491	-35.0%	156	342	NM	NM	1	0	0	0
Middle Atlantic	232	586	-60.0%	0	0	0	365	0	0	232	221
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	73	436	-83.0%	0	0	0	365	0	0	73	71
Pennsylvania	159	150	6.1%	0	0	0	0	0	0	158	150
East North Central	1,029	1,572	-35.0%	92	425	524	743	0	0	413	404
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	782	980	-20.0%	0	0	521	738	0	0	261	242
Ohio	46	58	-21.0%	0	0	3	5	0	0	42	53
Wisconsin	201	533	-62.0%	92	425	0	0	0	0	109	108
West North Central	431	472	-8.8%	1	NM	NM	97	23	47	306	316
Iowa	2	7	-69.0%	0	0	0	0	2	7	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	390	416	-6.2%	1	NM	NM	97	4	11	285	296
Missouri	17	29	-41.0%	0	0	0	0	17	29	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	9,109	9,093	0.2%	995	1,232	3,501	3,211	0	8	4,613	4,642
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	451	792	-43.0%	0	150	0	0	0	0	451	642
Georgia	4,120	3,679	12.0%	0	0	2,143	1,766	0	0	1,977	1,913
Maryland	0	8	-100.0%	0	0	0	0	0	8	0	0
North Carolina	712	795	-10.0%	0	0	295	398	0	0	417	397
South Carolina	1,386	1,347	2.9%	0	0	604	643	0	0	782	704
Virginia	2,440	2,473	-1.3%	995	1,082	459	NM	0	0	986	986
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	2,459	2,412	2.0%	0	0	0	0	0	0	2,459	2,412
Alabama	1,750	1,648	6.2%	0	0	0	0	0	0	1,750	1,648
Kentucky	134	128	4.0%	0	0	0	0	0	0	134	128
Mississippi	499	521	-4.2%	0	0	0	0	0	0	499	521
Tennessee	76	115	-33.0%	0	0	0	0	0	0	76	115
West South Central	1,590	1,668	-4.7%	0	0	0	0	0	0	1,590	1,668
Arkansas	353	299	18.0%	0	0	0	0	0	0	353	299
Louisiana	861	932	-7.6%	0	0	0	0	0	0	861	932
Oklahoma	54	121	-55.0%	0	0	0	0	0	0	54	121
Texas	322	316	1.9%	0	0	0	0	0	0	322	316
Mountain	442	481	-8.1%	0	0	291	314	0	0	151	167
Arizona	238	NM	NM	0	0	238	NM	0	0	0	0
Colorado	50	91	-45.0%	0	0	50	91	0	0	0	0
Idaho	145	158	-8.2%	0	0	3	11	0	0	141	147
Montana	10	20	-52.0%	0	0	0	0	0	0	10	20
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	4,165	4,484	-7.1%	317	NM	2,273	2,393	0	0	1,576	1,780
California	2,846	2,936	-3.1%	0	0	2,051	2,167	0	0	794	769
Oregon	585	581	0.6%	0	0	NM	NM	0	0	363	355
Washington	735	967	-24.0%	317	NM	0	0	0	0	418	656
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	21,487	23,014	-6.6%	1,561	2,323	8,299	8,749	24	55	11,603	11,887

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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 March 2024 and March 2023 (Billion Btus)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
New England	6,795	7,427	-8.5%	901	1,217	5,136	5,375	3	2	754	834
Connecticut	211	226	-6.7%	0	0	211	226	0	0	0	0
Maine	2,988	3,189	-6.3%	0	0	2,234	2,354	0	0	754	834
Massachusetts	NM	NM	NM	0	0	NM	NM	0	0	0	0
New Hampshire	2,128	2,182	-2.5%	0	0	2,128	2,182	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	1,341	1,666	-19.0%	901	1,217	437	448	3	2	0	0
Middle Atlantic	682	1,842	-63.0%	0	0	1	1,175	0	0	682	666
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	229	1,379	-83.0%	0	0	0	1,175	0	0	229	205
Pennsylvania	453	462	-2.0%	0	0	1	0	0	0	452	462
East North Central	4,379	5,244	-16.0%	933	1,297	2,259	2,650	0	0	1,187	1,296
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	3,014	3,400	-11.0%	0	0	2,248	2,635	0	0	766	765
Ohio	113	215	-47.0%	0	0	10	15	0	0	103	201
Wisconsin	1,251	1,629	-23.0%	933	1,297	0	0	0	0	318	331
West North Central	1,315	1,293	1.7%	NM	NM	302	296	156	153	829	809
Iowa	8	14	-42.0%	0	0	0	0	8	14	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	1,180	1,153	2.3%	NM	NM	302	296	82	75	768	747
Missouri	66	65	1.8%	0	0	0	0	66	65	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	62	62	-0.8%	0	0	0	0	0	0	62	62
South Atlantic	27,299	28,315	-3.6%	4,634	5,205	9,099	9,273	0	23	13,565	13,814
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	2,560	3,049	-16.0%	1,055	1,321	0	0	0	0	1,505	1,728
Georgia	11,385	11,153	2.1%	0	0	5,629	5,450	0	0	5,756	5,703
Maryland	0	23	-100.0%	0	0	0	0	0	23	0	0
North Carolina	2,041	2,307	-12.0%	0	0	799	969	0	0	1,242	1,339
South Carolina	3,788	3,930	-3.6%	0	0	1,508	1,691	0	0	2,279	2,239
Virginia	7,525	7,853	-4.2%	3,579	3,884	1,163	1,163	0	0	2,783	2,806
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	7,510	7,579	-0.9%	0	0	0	0	0	0	7,510	7,579
Alabama	5,246	5,242	0.1%	0	0	0	0	0	0	5,246	5,242
Kentucky	411	394	4.5%	0	0	0	0	0	0	411	394
Mississippi	1,452	1,548	-6.2%	0	0	0	0	0	0	1,452	1,548
Tennessee	401	395	1.5%	0	0	0	0	0	0	401	395
West South Central	5,489	5,623	-2.4%	529	502	0	0	0	0	4,960	5,121
Arkansas	991	943	5.1%	0	0	0	0	0	0	991	943
Louisiana	2,669	2,826	-5.5%	0	0	0	0	0	0	2,669	2,826
Oklahoma	359	396	-9.5%	0	0	0	0	0	0	359	396
Texas	1,470	1,457	0.9%	529	502	0	0	0	0	941	956
Mountain	1,185	1,367	-13.0%	0	0	799	888	0	0	386	479
Arizona	612	616	-0.6%	0	0	612	616	0	0	0	0
Colorado	179	247	-27.0%	0	0	179	247	0	0	0	0
Idaho	354	448	-21.0%	0	0	8	25	0	0	347	423
Montana	39	56	-31.0%	0	0	0	0	0	0	39	56
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	12,523	13,647	-8.2%	925	966	6,962	7,365	0	0	4,636	5,316
California	8,571	8,921	-3.9%	0	0	6,280	6,643	0	0	2,290	2,278
Oregon	1,787	1,789	-0.1%	0	0	681	722	0	0	1,106	1,067
Washington	2,165	2,938	-26.0%	925	966	0	0	0	0	1,240	1,971
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	67,312	72,485	-7.1%	7,951	9,223	24,693	27,171	159	178	34,508	35,914

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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, 2014 - March 2024

	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									
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	128,102	25,960	471	104,265	16,435	428	23,837	9,525	43
2020	131,431	26,063	298	107,965	15,941	273	23,466	10,123	25
2021	91,884	26,002	302	75,231	15,634	290	16,653	10,368	12
2022	88,861	22,812	318	74,917	14,204	297	13,943	8,608	21
2023	131,426	22,812	428	109,954	14,148	421	21,472	8,664	7
Year 2022, End of Month Stocks									
January	84,541	24,166	336	70,468	14,938	324	14,073	9,228	12
February	81,034	24,252	299	68,800	15,159	287	12,234	9,092	12
March	86,143	23,755	350	73,271	15,156	340	12,872	8,599	10
April	90,746	23,758	424	76,913	15,311	416	13,833	8,446	8
May	92,692	24,025	454	78,852	15,053	425	13,840	8,972	29
June	86,869	24,078	423	73,119	15,309	408	13,750	8,769	16
July	79,172	25,707	474	66,434	15,384	459	12,738	10,323	15
August	75,570	22,794	490	64,278	14,882	479	11,292	7,912	11
Sept	79,354	22,484	405	67,442	14,704	397	11,912	7,780	8
October	87,342	22,771	351	73,276	14,779	344	14,066	7,992	7
November	93,203	23,678	408	78,597	14,925	393	14,605	8,753	15
December	88,861	22,812	318	74,917	14,204	297	13,943	8,608	21
Year 2023, End of Month Stocks									
January	92,604	24,053	374	77,001	14,787	360	15,603	9,267	14
February	99,700	24,296	368	82,181	14,931	356	17,519	9,365	12
March	109,004	23,593	513	89,846	14,802	505	19,158	8,791	8
April	118,035	23,545	607	97,176	14,765	598	20,859	8,780	9
May	126,414	23,326	600	104,282	14,590	592	22,132	8,735	9
June	127,710	23,556	533	104,960	14,752	525	22,749	8,804	8
July	121,590	23,574	441	100,325	14,827	435	21,265	8,747	6
August	118,144	22,904	356	98,068	14,429	348	20,076	8,475	8
Sept	116,635	22,876	279	96,684	14,473	273	19,951	8,403	6
October	121,621	22,737	284	101,093	14,306	279	20,527	8,431	5
November	131,266	22,749	362	109,892	14,153	357	21,374	8,596	5
December	131,426	22,812	428	109,954	14,148	421	21,472	8,664	7
Year 2024, End of Month Stocks									
January	121,722	22,238	312	102,168	13,676	306	19,554	8,563	6
February	127,107	22,410	309	105,995	13,703	301	21,112	8,706	8
March	133,607	22,320	333	110,604	13,696	328	23,004	8,623	5

Notes: See Glossary for definitions. Values for 2022 and prior years are final. Values for 2023 and 2024 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, March 2024 and 2023

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	March 2024	March 2023	Percentage Change	March 2024	March 2023	Percentage Change	March 2024	March 2023	Percentage Change
New England	W	W	W	2,586	2,349	10.1%	0	0	--
Connecticut	0	0	--	1,002	850	17.9%	0	0	--
Maine	0	0	--	266	267	-0.5%	0	0	--
Massachusetts	0	0	--	890	908	-1.9%	0	0	--
New Hampshire	W	W	W	282	189	49.2%	0	0	--
Rhode Island	0	0	--	120	107	12.0%	0	0	--
Vermont	0	0	--	26	28	-6.9%	0	0	--
Middle Atlantic	2,097	2,733	-23.3%	4,694	4,356	7.8%	0	0	--
New Jersey	0	0	--	419	455	-8.0%	0	0	--
New York	0	0	--	3,180	2,726	16.6%	0	0	--
Pennsylvania	2,097	2,733	-23.3%	1,095	1,174	-6.8%	0	0	--
East North Central	26,559	20,913	27.0%	822	1,776	-53.7%	W	W	W
Illinois	6,055	4,629	30.8%	68	62	8.7%	0	0	--
Indiana	8,778	8,094	8.4%	112	476	-76.4%	0	0	--
Michigan	3,419	2,559	33.6%	183	166	10.4%	W	W	W
Ohio	4,409	2,422	82.0%	281	333	-15.7%	0	0	--
Wisconsin	3,898	3,209	21.5%	178	739	-75.9%	W	W	W
West North Central	28,365	21,679	30.8%	904	974	-7.2%	0	0	--
Iowa	5,669	4,263	33.0%	71	94	-24.2%	0	0	--
Kansas	5,438	3,875	40.3%	236	213	10.3%	0	0	--
Minnesota	3,195	2,639	21.1%	78	97	-20.3%	0	0	--
Missouri	8,356	6,322	32.2%	358	382	-6.3%	0	0	--
Nebraska	3,937	2,918	34.9%	60	86	-29.5%	0	0	--
North Dakota	W	W	W	33	42	-20.5%	0	0	--
South Dakota	W	W	W	68	60	13.6%	0	0	--
South Atlantic	19,980	18,773	6.4%	8,672	9,159	-5.3%	W	W	W
Delaware	W	W	W	410	413	-0.6%	0	0	--
District of Columbia	0	0	--	0	0	--	0	0	--
Florida	2,203	1,831	20.3%	3,745	3,766	-0.6%	W	W	W
Georgia	W	W	W	1,210	1,190	1.7%	0	0	--
Maryland	726	808	-10.1%	593	598	-0.8%	0	0	--
North Carolina	3,716	4,132	-10.1%	947	1,045	-9.4%	0	0	--
South Carolina	2,948	2,114	39.4%	482	548	-11.9%	0	0	--
Virginia	W	W	W	1,154	1,454	-20.6%	0	0	--
West Virginia	4,801	5,490	-12.6%	130	145	-11.0%	W	W	W
East South Central	12,872	11,278	14.1%	1,014	1,038	-2.3%	0	0	--
Alabama	4,167	2,592	60.8%	256	258	-0.9%	0	0	--
Kentucky	6,181	6,271	-1.4%	250	247	1.2%	0	0	--
Mississippi	W	W	W	NM	3	NM	0	0	--
Tennessee	W	W	W	502	529	-5.1%	0	0	--
West South Central	27,748	21,977	26.3%	1,806	2,075	-13.0%	W	W	W
Arkansas	4,620	4,233	9.1%	155	166	-6.1%	0	0	--
Louisiana	3,574	2,793	27.9%	198	200	-0.8%	W	W	W
Oklahoma	5,028	3,480	44.5%	23	32	-28.6%	0	0	--
Texas	14,527	11,470	26.7%	1,430	1,678	-14.8%	0	0	--
Mountain	W	W	W	307	352	-12.9%	W	W	W
Arizona	3,599	2,757	30.5%	132	127	3.9%	0	0	--
Colorado	W	W	W	90	119	-24.0%	0	0	--
Idaho	0	0	--	0	0	-28.0%	0	0	--
Montana	W	W	W	13	18	-28.6%	W	W	W
Nevada	W	W	W	2	2	6.2%	0	0	--
New Mexico	0	0	--	NM	5	NM	0	0	--
Utah	3,294	2,575	27.9%	31	49	-36.4%	0	0	--
Wyoming	4,090	2,553	60.2%	36	32	12.7%	0	0	--
Pacific Contiguous	W	W	W	316	341	-7.4%	0	0	--
California	0	0	--	159	171	-7.0%	0	0	--
Oregon	0	0	--	48	62	-23.3%	0	0	--
Washington	W	W	W	110	108	1.2%	0	0	--
Pacific Noncontiguous	0	W	W	1,200	1,172	2.3%	0	0	--
Alaska	0	W	W	5	59	-91.0%	0	0	--
Hawaii	0	0	--	1,194	1,113	7.3%	0	0	--
U.S. Total	133,607	109,004	22.6%	22,320	23,593	-5.4%	333	513	-35.0%

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 3.3 Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, by Census Divison, March 2024 and 2023

	Electric Power Sector			Electric Utilities		Independent Power Producers	
Census Division	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023
Coal (Thousand Tons)							
New England	W	W	W	0	0	W	W
Middle Atlantic	2,097	2,733	-23.3%	W	W	W	W
East North Central	26,559	20,913	27.0%	16,810	14,781	9,748	6,132
West North Central	28,365	21,679	30.8%	28,365	21,679	0	0
South Atlantic	19,980	18,773	6.4%	18,624	17,020	1,356	1,753
East South Central	12,872	11,278	14.1%	12,872	11,278	0	0
West South Central	27,748	21,977	26.3%	19,224	14,919	8,524	7,058
Mountain	W	W	W	W	W	W	W
Pacific Contiguous	W	W	W	0	0	W	W
Pacific Noncontiguous	0	W	W	0	0	0	W
U.S. Total	**133,607**	**109,004**	**22.6%**	**110,604**	**89,846**	**23,004**	**19,158**
Petroleum Liquids (Thousand Barrels)							
New England	2,586	2,349	10.1%	229	164	2,357	2,185
Middle Atlantic	4,694	4,356	7.8%	1,924	1,748	2,770	2,607
East North Central	822	1,776	-53.7%	595	1,162	227	614
West North Central	904	974	-7.2%	879	948	26	26
South Atlantic	8,672	9,159	-5.3%	6,708	7,162	1,963	1,997
East South Central	1,014	1,038	-2.3%	976	999	38	39
West South Central	1,806	2,075	-13.0%	697	898	1,109	1,176
Mountain	307	352	-12.9%	281	322	26	30
Pacific Contiguous	316	341	-7.4%	235	262	81	79
Pacific Noncontiguous	1,200	1,172	2.3%	1,173	1,136	27	36
U.S. Total	**22,320**	**23,593**	**-5.4%**	**13,696**	**14,802**	**8,623**	**8,791**
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	0	0	--	0	0	0	0
West South Central	W	W	W	W	W	0	0
Mountain	W	W	W	0	0	W	W
Pacific Contiguous	0	0	--	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0
U.S. Total	**333**	**513**	**-35.0%**	**328**	**505**	**5**	**8**

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, 2014 - March 2024
(Thousand Tons)

	Electric Power Sector			
Period	Bituminous Coal	Subbituminous Coal	Lignite Coal	Total
End of Year Stocks				
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	54,769	69,942	3,124	128,102
2020	50,649	77,033	3,556	131,431
2021	34,560	54,726	2,598	91,884
2022	35,194	50,704	2,956	88,861
2023	44,522	83,240	3,437	131,426
Year 2022, End of Month Stocks				
January	30,697	51,157	2,686	84,541
February	29,288	49,029	2,717	81,034
March	31,687	51,304	3,152	86,143
April	33,868	53,609	3,269	90,746
May	33,202	56,289	3,191	92,692
June	30,392	53,338	3,129	86,869
July	28,769	47,358	3,040	79,172
August	28,730	44,005	2,826	75,570
Sept	30,766	45,802	2,776	79,354
October	34,061	50,366	2,905	87,342
November	35,998	54,329	2,867	93,203
December	35,194	50,704	2,956	88,861
Year 2023, End of Month Stocks				
January	37,881	51,702	3,014	92,604
February	40,038	56,636	3,022	99,700
March	41,609	64,400	2,990	109,004
April	41,713	72,777	3,330	118,035
May	44,954	77,744	3,499	126,414
June	46,150	77,739	3,600	127,710
July	42,674	75,197	3,497	121,590
August	42,328	72,179	3,423	118,144
Sept	41,001	72,171	3,246	116,635
October	43,240	74,979	3,183	121,621
November	47,009	80,638	3,391	131,266
December	44,522	83,240	3,437	131,426
Year 2024, End of Month Stocks				
January	40,861	77,407	3,218	121,722
February	42,660	81,091	3,122	127,107
March	45,406	84,734	3,230	133,607

Notes: See Glossary for definitions.
Values for 2022 and prior years are final. Values for 2023 and 2024 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), 2014 - March 2024

	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												
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	8,753,931	461,477	1.98	37.48	1.30	90.2	97,464	16,302	14.71	87.98	0.50	68.8
2022	8,876,242	469,718	2.36	44.69	1.28	97.3	116,941	19,362	23.81	143.90	0.46	58.8
2023	8,041,287	426,470	2.52	47.52	1.23	107.6	101,803	16,746	20.12	122.43	0.46	69.7
Year 2022												
January	748,490	40,043	2.20	41.14	1.21	80.5	15,788	2,634	17.75	106.45	0.44	46.7
February	681,147	36,139	2.17	40.91	1.18	88.4	11,156	1,843	18.43	111.66	0.45	80.0
March	742,161	38,990	2.15	40.98	1.29	110.2	7,340	1,213	22.37	135.30	0.50	58.7
April	672,360	35,230	2.18	41.64	1.35	110.8	7,294	1,200	26.32	160.05	0.50	68.9
May	735,568	38,856	2.23	42.27	1.33	107.6	5,935	981	27.93	168.98	0.49	51.7
June	719,549	38,159	2.32	43.68	1.31	89.5	8,884	1,465	28.80	174.88	0.48	71.5
July	758,950	40,292	2.47	46.53	1.32	80.0	8,652	1,433	29.11	175.78	0.50	60.2
August	827,629	43,801	2.51	47.38	1.29	88.8	8,178	1,354	26.26	158.61	0.50	63.3
Sept	786,290	41,593	2.51	47.42	1.29	108.9	8,245	1,356	24.33	147.96	0.47	66.5
October	776,764	41,185	2.46	46.42	1.28	127.2	9,342	1,536	23.53	143.20	0.45	72.1
November	717,670	38,063	2.48	46.73	1.22	114.3	9,890	1,643	26.21	157.82	0.44	81.7
December	709,662	37,366	2.65	50.25	1.32	87.4	16,237	2,704	21.53	129.24	0.41	41.4
Year 2023												
January	723,669	38,041	2.60	49.40	1.26	104.5	13,452	2,237	21.84	131.41	0.48	102.8
February	637,812	33,783	2.60	49.04	1.27	122.0	9,911	1,631	20.13	122.48	0.46	71.2
March	710,779	37,677	2.51	47.30	1.26	127.9	7,305	1,200	20.48	124.66	0.52	58.2
April	631,282	33,546	2.48	46.67	1.24	142.1	6,987	1,142	19.36	118.44	0.48	61.6
May	636,634	33,557	2.52	47.77	1.24	127.3	7,463	1,228	18.78	114.11	0.49	63.9
June	645,337	34,165	2.47	46.71	1.23	99.8	7,391	1,214	17.66	107.49	0.48	66.4
July	697,637	37,298	2.49	46.50	1.19	82.4	8,601	1,397	17.39	107.07	0.43	73.7
August	734,722	38,969	2.50	47.17	1.21	87.3	7,104	1,167	19.95	121.91	0.43	59.1
Sept	656,950	34,791	2.54	47.93	1.18	99.5	7,606	1,241	22.58	138.51	0.42	66.5
October	647,912	34,359	2.54	47.88	1.22	113.1	7,130	1,166	22.12	135.32	0.41	59.1
November	663,778	35,400	2.52	47.23	1.22	116.5	8,048	1,329	21.06	127.59	0.44	66.8
December	654,774	34,884	2.49	46.67	1.25	106.4	10,804	1,794	19.42	117.14	0.44	82.4
Year 2024												
January	600,991	32,169	2.49	46.48	1.22	74.2	10,076	1,669	18.91	114.13	0.46	50.7
February	566,897	30,314	2.49	46.63	1.20	113.6	6,341	1,042	19.55	118.95	0.47	61.4
March	535,574	28,041	2.51	47.91	1.32	121.2	6,020	982	19.92	122.15	0.47	55.7
Year to Date												
2022	2,171,798	115,172	2.17	41.01	1.23	91.4	34,284	5,691	19.09	115.09	0.46	56.8
2023	2,072,260	109,501	2.57	48.57	1.26	117.0	30,668	5,068	20.96	126.93	0.49	77.6
2024	1,703,463	90,524	2.50	46.97	1.25	97.2	22,437	3,693	19.36	117.62	0.47	54.7
Rolling 12 Months Ending in March												
2023	8,776,704	464,047	2.46	46.51	1.29	103.0	113,325	18,739	24.29	146.92	0.47	63.6
2024	7,672,490	407,493	2.50	47.12	1.22	103.0	93,572	15,372	19.67	119.80	0.45	63.4

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

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

- Values for 2022 and prior years are final. Values for 2023 and 2024 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), 2014 - March 2024 (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												
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	11,253,502	10,894,849	3.55	3.67	90.4	2.83
2019	56,294	1,969	1.91	54.59	5.51	55.3	12,104,890	11,704,743	2.88	2.98	91.4	2.50
2020	67,842	2,396	1.70	48.03	5.41	62.1	12,380,902	11,981,552	2.40	2.48	90.6	2.22
2021	64,891	2,296	3.16	89.27	5.24	60.0	11,966,785	11,578,254	5.20	5.38	91.0	3.82
2022	64,689	2,286	4.35	122.99	5.52	61.8	12,840,250	12,436,074	7.21	7.45	91.5	5.22
2023	40,716	1,450	4.05	113.73	5.61	58.5	12,532,201	12,143,774	3.36	3.47	84.1	3.11
Year 2022												
January	5,343	189	4.32	122.16	5.11	64.0	1,021,396	988,075	6.56	6.78	91.1	4.74
February	4,050	141	4.24	121.53	5.80	44.9	857,192	829,722	6.00	6.20	90.0	4.32
March	5,791	205	4.84	136.40	5.31	74.6	839,836	814,025	5.10	5.26	90.2	3.75
April	6,637	235	4.80	135.31	5.57	83.6	807,698	783,189	6.21	6.41	91.0	4.40
May	5,992	212	4.97	140.62	5.48	67.1	990,628	960,839	7.57	7.80	92.1	5.25
June	4,887	173	4.50	126.93	5.51	52.0	1,204,672	1,168,959	8.01	8.26	92.3	5.86
July	5,781	205	4.65	131.34	5.54	75.9	1,466,772	1,422,545	7.53	7.76	92.5	5.78
August	6,465	228	5.02	142.06	5.62	73.6	1,443,158	1,397,570	9.00	9.30	92.3	6.54
Sept	3,818	134	2.32	66.08	5.74	40.7	1,184,368	1,145,493	8.15	8.42	91.9	5.81
October	4,142	147	3.37	94.92	5.75	45.3	1,005,835	973,705	5.80	5.99	91.3	4.37
November	6,485	229	3.84	108.96	5.53	76.8	959,373	929,074	5.71	5.89	90.5	4.38
December	5,298	187	4.19	118.73	5.50	52.7	1,059,322	1,022,878	8.92	9.24	91.3	6.38
Year 2023												
January	4,871	176	4.54	126.02	5.67	85.4	971,828	939,064	7.07	7.32	85.3	5.19
February	3,886	136	4.80	136.95	5.62	74.2	866,448	839,005	4.39	4.53	84.7	3.71
March	4,905	172	4.66	132.76	5.71	99.5	918,899	890,394	3.35	3.46	83.8	3.05
April	4,768	168	4.70	133.61	5.72	106.9	848,578	822,855	2.69	2.78	83.8	2.69
May	1,985	72	3.14	86.86	5.76	41.4	969,622	940,736	2.54	2.62	84.4	2.61
June	1,853	66	3.48	98.25	5.77	33.2	1,118,676	1,084,790	2.58	2.66	83.4	2.60
July	2,787	100	3.62	101.16	5.45	32.6	1,365,367	1,322,828	2.97	3.06	82.7	2.86
August	2,311	84	3.39	93.79	5.73	26.6	1,367,426	1,325,123	2.92	3.01	83.3	2.82
Sept	3,289	118	3.76	104.81	5.48	42.4	1,142,616	1,109,256	2.86	2.94	84.2	2.82
October	2,404	86	3.84	107.56	5.50	48.4	988,151	958,808	2.93	3.02	84.1	2.86
November	3,097	111	3.60	100.64	5.35	81.6	951,139	921,492	3.38	3.49	84.3	3.11
December	4,559	163	3.39	94.99	5.53	92.3	1,023,452	989,423	3.27	3.39	85.8	3.06
Year 2024												
January	909	33	2.65	73.16	5.53	17.5	1,108,447	1,070,960	4.80	4.97	84.0	4.02
February	1,385	50	2.63	73.05	5.56	34.8	910,552	879,903	2.88	2.98	84.7	2.80
March	1,054	38	2.63	73.51	5.49	38.2	906,805	877,652	2.18	2.26	84.3	2.38
Year to Date												
2022	15,183	536	4.50	127.46	5.37	60.5	2,718,424	2,631,821	5.93	6.13	90.5	4.29
2023	13,663	484	4.66	131.49	5.67	86.1	2,757,174	2,668,463	4.98	5.14	84.6	4.01
2024	3,348	121	2.64	73.22	5.53	28.0	2,925,804	2,828,515	3.37	3.49	84.3	3.12
Rolling 12 Months Ending in March												
2023	63,168	2,235	4.38	123.77	5.59	66.1	12,879,001	12,472,715	7.02	7.24	90.2	5.16
2024	30,401	1,086	3.62	101.31	5.57	46.3	12,700,830	12,303,826	3.02	3.12	84.0	2.89

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

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

- Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary.
- See Glossary for definitions.
- Starting in January 2013, there may have been a shift in the continuity of Chapter 4 tables due to changes in the sample design of Form EIA-923 and the imputation process.
- See the EIA-923 section of the Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
- See the Technical Notes for fuel conversion factors.
- Totals may not equal the sum of components because of independent rounding.

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

Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2014 - March 2024

	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												
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	6,448,846	338,205	2.03	38.68	1.14	90.2	69,111	11,468	14.53	87.56	0.47	67.7
2022	6,594,794	346,120	2.41	45.96	1.15	98.4	73,400	12,131	24.43	147.80	0.48	65.6
2023	6,190,928	324,205	2.57	49.06	1.15	110.9	73,960	12,172	20.24	122.97	0.46	77.3
Year 2022												
January	546,113	29,056	2.24	42.12	1.06	81.3	6,596	1,103	17.23	103.03	0.46	46.9
February	500,644	26,344	2.19	41.69	1.05	91.5	6,361	1,045	18.65	113.52	0.48	83.4
March	537,576	28,123	2.18	41.71	1.14	115.4	5,580	926	22.53	135.80	0.49	70.7
April	486,354	25,278	2.24	43.02	1.17	113.7	5,684	934	26.28	159.85	0.48	84.8
May	552,474	28,904	2.29	43.87	1.16	108.7	4,509	747	28.14	169.81	0.48	58.4
June	537,295	28,300	2.35	44.64	1.14	88.2	7,089	1,166	28.58	173.77	0.48	90.3
July	557,748	29,313	2.47	47.07	1.18	76.9	6,739	1,115	28.96	175.11	0.48	80.8
August	627,619	32,918	2.53	48.27	1.19	90.2	5,736	947	26.06	157.81	0.47	72.6
Sept	599,306	31,443	2.60	49.50	1.17	110.8	5,857	966	24.83	150.60	0.48	71.8
October	579,715	30,502	2.53	48.08	1.16	129.7	6,272	1,028	23.81	145.25	0.48	74.8
November	542,727	28,448	2.55	48.63	1.14	121.1	5,760	953	26.15	158.05	0.46	70.9
December	527,223	27,491	2.69	51.67	1.22	86.5	7,217	1,202	23.01	138.22	0.48	38.2
Year 2023												
January	556,371	29,179	2.65	50.60	1.13	106.2	9,853	1,639	21.92	131.75	0.47	116.2
February	479,262	25,198	2.67	50.86	1.16	125.0	6,212	1,031	22.06	132.90	0.48	79.3
March	546,979	28,703	2.54	48.35	1.19	134.6	5,500	907	20.63	125.12	0.48	70.5
April	478,808	25,008	2.51	48.15	1.16	154.3	5,221	853	19.27	117.91	0.47	70.0
May	483,321	25,161	2.55	49.03	1.14	135.1	5,724	945	18.82	113.95	0.48	73.2
June	501,196	26,136	2.51	48.18	1.16	99.8	5,927	974	17.45	106.17	0.47	75.1
July	548,801	28,883	2.54	48.20	1.13	83.1	6,695	1,085	17.07	105.34	0.44	87.6
August	579,776	30,274	2.55	48.89	1.15	88.7	4,579	748	19.78	121.06	0.47	53.8
Sept	514,726	26,869	2.59	49.69	1.12	102.1	5,788	943	22.68	139.26	0.43	76.4
October	501,460	26,157	2.59	49.68	1.15	118.4	4,966	814	22.22	135.62	0.40	60.9
November	504,315	26,520	2.58	48.98	1.15	124.9	5,312	878	21.69	131.32	0.43	65.5
December	495,913	26,116	2.53	48.07	1.17	109.3	8,183	1,355	19.16	115.72	0.45	96.7
Year 2024												
January	467,676	24,626	2.54	48.33	1.17	75.6	7,439	1,231	18.89	114.21	0.45	61.2
February	442,174	23,172	2.58	49.19	1.14	114.3	5,117	840	19.49	118.71	0.46	73.2
March	425,036	21,785	2.59	50.56	1.30	123.8	4,667	761	19.75	121.19	0.46	66.4
Year to Date												
2022	1,584,333	83,523	2.21	41.85	1.09	94.0	18,537	3,073	19.31	116.47	0.48	62.5
2023	1,582,612	83,080	2.62	49.90	1.16	120.5	21,564	3,577	21.63	130.40	0.47	89.5
2024	1,334,885	69,582	2.57	49.32	1.20	98.8	17,223	2,831	19.30	117.42	0.46	65.8
Rolling 12 Months Ending in March												
2023	6,593,073	345,677	2.51	47.91	1.17	104.2	76,427	12,635	24.88	150.49	0.48	71.9
2024	5,943,201	310,707	2.55	48.89	1.16	105.7	69,620	11,426	19.57	119.27	0.45	71.2

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 2022 and prior years are final. Values for 2023 and 2024 are preliminary.
- See Glossary for definitions.
- Starting in January 2013, there may have been a shift in the continuity of Chapter 4 tables due to changes in the sample design of Form EIA-923 and the imputation process.
- See the EIA-923 section of the Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
- See the Technical Notes for fuel conversion factors.
- Totals may not equal the sum of components because of independent rounding.

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

Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2014 - March 2024 (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												
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	5,562,903	5,388,544	3.68	3.80	96.2	2.80
2019	54,266	1,896	1.92	54.88	5.50	91.0	6,038,432	5,842,392	3.03	3.13	97.0	2.53
2020	65,684	2,317	1.70	48.07	5.39	101.8	6,207,039	6,011,244	2.63	2.72	96.3	2.32
2021	64,891	2,296	3.16	89.27	5.24	98.0	5,901,472	5,713,855	5.21	5.39	96.4	3.60
2022	64,607	2,283	4.35	122.99	5.52	99.5	6,393,812	6,200,191	7.49	7.73	96.5	5.01
2023	40,716	1,450	4.05	113.73	5.61	108.5	6,086,739	5,907,853	3.85	3.96	86.4	3.31
Year 2022												
January	5,343	189	4.32	122.16	5.11	112.6	503,615	487,628	7.15	7.39	96.7	4.67
February	4,050	141	4.24	121.53	5.80	75.1	414,806	402,121	6.13	6.32	96.1	4.08
March	5,791	205	4.84	136.40	5.31	142.5	408,255	396,288	5.28	5.43	96.4	3.63
April	6,637	235	4.80	135.31	5.57	150.6	395,234	383,835	6.25	6.44	97.3	4.17
May	5,992	212	4.97	140.62	5.48	99.1	494,026	479,966	7.53	7.75	97.5	4.86
June	4,887	173	4.50	126.93	5.51	76.9	621,160	603,483	8.29	8.53	96.3	5.66
July	5,781	205	4.65	131.34	5.54	115.1	749,263	727,668	7.75	7.98	96.1	5.61
August	6,465	228	5.02	142.06	5.62	127.5	723,303	700,993	9.35	9.65	96.4	6.25
Sept	3,818	134	2.32	66.08	5.74	63.7	579,405	560,966	8.53	8.81	96.2	5.58
October	4,060	144	3.35	94.31	5.74	74.8	493,094	478,019	6.19	6.38	96.6	4.31
November	6,485	229	3.84	108.96	5.53	124.4	482,176	467,566	6.05	6.24	96.6	4.31
December	5,298	187	4.19	118.73	5.50	73.4	529,475	511,657	9.05	9.36	96.7	5.97
Year 2023												
January	4,871	176	4.54	126.02	5.67	151.3	469,418	453,837	8.69	8.98	88.9	5.55
February	3,886	136	4.80	136.95	5.62	125.8	410,830	398,400	4.95	5.10	87.5	3.85
March	4,905	172	4.66	132.76	5.71	228.6	442,406	429,205	3.76	3.88	87.0	3.19
April	4,768	168	4.70	133.61	5.72	218.3	415,834	404,210	3.05	3.13	86.8	2.87
May	1,985	72	3.14	86.86	5.76	94.2	487,945	474,217	2.87	2.95	86.6	2.80
June	1,853	66	3.48	98.25	5.77	61.3	551,525	535,472	2.93	3.01	85.0	2.81
July	2,787	100	3.62	101.16	5.45	50.5	672,471	652,468	3.27	3.37	83.9	3.02
August	2,311	84	3.39	93.79	5.73	42.4	683,450	663,413	3.30	3.40	84.3	3.02
Sept	3,289	118	3.76	104.81	5.48	67.3	550,651	535,792	3.30	3.39	86.0	3.07
October	2,404	86	3.84	107.56	5.50	112.5	473,957	460,990	3.34	3.43	86.4	3.05
November	3,097	111	3.60	100.64	5.35	228.6	440,879	428,220	3.82	3.93	87.4	3.26
December	4,559	163	3.39	94.99	5.53	199.5	487,373	471,630	3.76	3.89	89.5	3.27
Year 2024												
January	909	33	2.65	73.16	5.53	34.6	525,707	508,301	4.92	5.09	86.3	3.91
February	1,385	50	2.63	73.05	5.56	72.1	440,056	425,831	3.35	3.47	87.9	3.06
March	1,054	38	2.63	73.51	5.49	173.2	446,527	432,933	2.49	2.57	87.8	2.63
Year to Date												
2022	15,183	536	4.50	127.46	5.37	107.1	1,326,676	1,286,037	6.26	6.45	96.4	4.15
2023	13,663	484	4.66	131.49	5.67	161.5	1,322,653	1,281,442	5.87	6.06	87.8	4.23
2024	3,348	121	2.64	73.22	5.53	64.8	1,412,290	1,367,065	3.66	3.78	87.3	3.23
Rolling 12 Months Ending in March												
2023	63,086	2,232	4.38	123.76	5.59	106.6	6,389,789	6,195,596	7.42	7.65	94.6	5.03
2024	30,401	1,086	3.62	101.31	5.57	88.9	6,176,375	5,993,476	3.37	3.47	86.3	3.07

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

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

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

Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2014 - March 2024

	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												
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	2,163,331	116,480	1.79	33.35	1.79	92.0	25,972	4,447	15.38	89.84	0.47	101.6
2022	2,142,472	116,864	2.19	40.16	1.69	96.4	41,066	6,827	22.83	137.45	0.39	69.1
2023	1,726,352	96,088	2.29	41.19	1.53	101.4	24,980	4,106	20.11	122.75	0.38	88.6
Year 2022												
January	190,059	10,391	2.06	37.66	1.62	79.5	8,892	1,482	18.48	111.05	0.39	51.8
February	169,787	9,274	2.07	37.95	1.56	82.2	4,566	762	18.20	109.02	0.36	96.9
March	191,644	10,240	2.04	38.27	1.72	101.2	1,540	252	22.72	138.89	0.45	63.0
April	175,332	9,448	1.99	37.03	1.86	107.7	1,498	247	27.01	163.98	0.48	89.1
May	170,813	9,355	2.01	36.76	1.87	107.8	1,250	205	28.43	173.23	0.48	73.6
June	170,764	9,296	2.20	40.47	1.83	95.7	1,651	275	30.73	185.03	0.41	72.6
July	188,956	10,384	2.45	44.55	1.71	90.8	1,756	293	30.58	183.42	0.47	48.7
August	189,136	10,350	2.41	44.15	1.63	86.5	2,286	381	27.18	162.89	0.47	67.6
Sept	175,484	9,589	2.16	39.62	1.72	106.1	2,185	358	23.44	143.49	0.41	98.3
October	185,852	10,141	2.18	40.02	1.67	126.2	2,848	471	23.30	140.86	0.35	112.5
November	164,764	9,127	2.20	39.71	1.49	101.3	3,910	654	26.55	158.67	0.37	194.2
December	169,882	9,269	2.47	45.38	1.65	91.6	8,682	1,447	19.92	119.50	0.33	55.5
Year 2023												
January	156,195	8,313	2.36	44.43	1.71	103.2	3,264	542	22.01	132.88	0.42	160.8
February	147,634	8,061	2.25	41.37	1.64	119.0	3,366	545	16.69	103.54	0.39	80.1
March	153,230	8,449	2.32	42.11	1.54	114.7	1,365	220	21.17	131.15	0.47	56.5
April	141,123	7,974	2.28	40.36	1.50	119.7	1,466	240	20.18	123.46	0.37	71.4
May	142,737	7,876	2.33	42.29	1.60	112.8	1,430	232	19.31	118.84	0.43	60.5
June	133,987	7,498	2.29	41.04	1.52	102.6	1,371	225	18.64	113.46	0.47	79.5
July	139,185	7,916	2.26	39.73	1.45	80.9	1,765	290	18.69	113.88	0.38	69.3
August	144,837	8,180	2.25	39.94	1.46	83.6	2,388	397	20.47	124.57	0.28	120.2
Sept	133,508	7,491	2.25	40.04	1.41	94.2	1,664	274	22.77	139.09	0.31	70.8
October	135,988	7,681	2.29	40.62	1.50	101.8	1,933	314	22.12	136.06	0.33	82.1
November	149,493	8,391	2.29	40.80	1.46	99.9	2,537	419	19.88	120.50	0.39	118.0
December	148,435	8,259	2.29	41.25	1.53	101.8	2,430	408	20.65	123.78	0.30	116.8
Year 2024												
January	123,675	7,060	2.24	39.33	1.43	71.3	2,324	388	19.22	115.15	0.36	52.7
February	113,481	6,587	2.10	36.22	1.44	116.4	1,029	170	20.12	122.20	0.42	73.8
March	99,577	5,729	2.07	36.10	1.49	122.2	1,205	197	21.08	129.23	0.45	70.0
Year to Date												
2022	551,490	29,905	2.06	37.96	1.64	86.7	14,998	2,496	18.98	114.22	0.39	61.6
2023	457,059	24,823	2.31	42.65	1.63	111.8	7,996	1,307	19.61	120.32	0.41	92.9
2024	336,733	19,376	2.14	37.32	1.45	95.7	4,558	754	19.92	120.41	0.41	60.5
Rolling 12 Months Ending in March												
2023	2,048,042	111,782	2.25	41.30	1.70	102.6	34,063	5,639	23.31	140.91	0.39	77.9
2024	1,606,026	90,641	2.25	39.96	1.48	97.7	21,542	3,553	20.27	123.22	0.36	79.5

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

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Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2014 - March 2024 (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												
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	5,255,390	5,077,009	5.29	5.48	95.7	4.16
2022	0	0	--	--	--	0.0	5,602,375	5,414,698	6.95	7.20	95.5	5.50
2023	0	0	--	--	--	--	5,649,898	5,462,253	2.80	2.90	89.7	2.72
Year 2022												
January	0	0	--	--	--	0.0	440,567	425,442	6.15	6.38	95.6	4.92
February	0	0	--	--	--	0.0	375,891	363,057	5.88	6.09	94.2	4.62
March	0	0	--	--	--	0.0	359,407	347,490	4.96	5.14	95.0	3.87
April	0	0	--	--	--	0.0	344,208	332,882	6.22	6.44	95.5	4.66
May	0	0	--	--	--	0.0	428,890	414,929	7.60	7.86	96.4	5.80
June	0	0	--	--	--	0.0	513,920	497,609	7.55	7.81	96.1	6.03
July	0	0	--	--	--	0.0	644,066	623,293	7.29	7.54	96.2	6.04
August	0	0	--	--	--	0.0	645,276	623,863	8.56	8.86	95.5	6.95
Sept	0	0	--	--	--	0.0	538,145	519,483	7.58	7.86	95.8	6.04
October	0	0	--	--	--	0.0	446,464	431,379	5.29	5.48	95.5	4.32
November	0	0	--	--	--	0.0	407,043	393,319	5.35	5.54	94.1	4.44
December	0	0	--	--	--	0.0	458,497	441,951	9.26	9.61	95.4	7.27
Year 2023												
January	0	0	--	--	--	--	432,340	417,130	5.34	5.54	91.4	4.53
February	0	0	--	--	--	--	392,667	379,376	3.91	4.05	91.4	3.48
March	0	0	--	--	--	--	408,837	395,267	2.94	3.04	90.1	2.80
April	0	0	--	--	--	--	371,695	359,263	2.28	2.36	89.1	2.34
May	0	0	--	--	--	--	417,032	403,626	2.11	2.18	90.1	2.22
June	0	0	--	--	--	--	502,016	485,754	2.13	2.20	88.9	2.21
July	0	0	--	--	--	--	627,873	607,202	2.59	2.68	87.5	2.56
August	0	0	--	--	--	--	617,659	597,279	2.41	2.49	88.5	2.43
Sept	0	0	--	--	--	--	526,671	510,024	2.29	2.37	89.7	2.34
October	0	0	--	--	--	--	449,085	434,540	2.42	2.51	90.0	2.46
November	0	0	--	--	--	--	441,816	426,779	2.92	3.03	89.9	2.82
December	0	0	--	--	--	--	462,206	446,013	2.73	2.83	91.6	2.67
Year 2024												
January	0	0	--	--	--	--	509,048	491,149	4.85	5.03	90.7	4.31
February	0	0	--	--	--	--	406,630	392,048	2.31	2.40	91.1	2.30
March	0	0	--	--	--	--	394,896	381,126	1.84	1.91	90.2	1.95
Year to Date												
2022	0	0	--	--	--	0.0	1,175,866	1,135,989	5.71	5.91	95.0	4.49
2023	0	0	--	--	--	--	1,233,844	1,191,772	4.08	4.23	91.0	3.61
2024	0	0	--	--	--	--	1,310,574	1,264,323	3.12	3.24	90.7	2.94
Rolling 12 Months Ending in March												
2023	0	0	--	--	--	0.0	5,660,354	5,470,481	6.61	6.84	94.6	5.34
2024	0	0	--	--	--	--	5,726,628	5,534,804	2.60	2.69	89.6	2.57

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Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 2014 - March 2024

	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												
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
2022	268	12	4.17	94.87	3.08	2.2	0	0	--	--	--	0.0
2023	66	3	4.28	96.92	3.22	0.7	0	0	--	--	--	--
Year 2022												
January	74	3	3.95	90.18	3.03	5.8	0	0	--	--	--	0.0
February	19	1	3.95	90.65	3.00	1.5	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	106	5	4.28	97.46	3.05	10.0	0	0	--	--	--	0.0
October	54	2	4.28	97.11	3.24	5.2	0	0	--	--	--	0.0
November	0	0	--	--	--	0.0	0	0	--	--	--	0.0
December	15	1	4.28	96.94	3.02	1.1	0	0	--	--	--	0.0
Year 2023												
January	21	1	4.28	96.60	3.06	2.0	0	0	--	--	--	--
February	22	1	4.28	97.20	3.12	2.4	0	0	--	--	--	--
March	0	0	--	--	--	--	0	0	--	--	--	--
April	0	0	--	--	--	--	0	0	--	--	--	--
May	0	0	--	--	--	--	0	0	--	--	--	--
June	0	0	--	--	--	--	0	0	--	--	--	--
July	0	0	--	--	--	--	0	0	--	--	--	--
August	0	0	--	--	--	--	0	0	--	--	--	--
Sept	0	0	--	--	--	--	0	0	--	--	--	--
October	0	0	--	--	--	--	0	0	--	--	--	--
November	0	0	--	--	--	--	0	0	--	--	--	--
December	24	1	4.28	96.94	3.46	2.6	0	0	--	--	--	--
Year 2024												
January	85	4	4.28	96.86	3.06	6.7	0	0	--	--	--	--
February	43	2	4.28	96.51	3.06	4.8	0	0	--	--	--	--
March	0	0	--	--	--	0.0	0	0	--	--	--	--
Year to Date												
2022	93	4	3.95	90.28	3.02	2.8	0	0	--	--	--	0.0
2023	43	2	4.28	96.90	3.09	1.5	0	0	--	--	--	--
2024	128	6	4.28	96.74	3.06	4.2	0	0	--	--	--	--
Rolling 12 Months Ending in March												
2023	217	10	4.28	97.23	3.10	1.9	0	0	--	--	--	0.0
2024	151	7	4.28	96.77	3.12	1.6	0	0	--	--	--	--

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

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Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commerical Sector, 2014 - March 2024 (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												
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	7.3	3.41
2022	0	0	--	--	--	0.0	8,636	8,322	3.88	4.02	6.8	3.89
2023	0	0	--	--	--	--	8,130	7,861	3.04	3.15	6.4	3.05
Year 2022												
January	0	0	--	--	--	0.0	759	731	3.29	3.42	6.5	3.35
February	0	0	--	--	--	0.0	711	683	3.32	3.45	6.8	3.33
March	0	0	--	--	--	0.0	712	687	3.30	3.42	6.8	3.30
April	0	0	--	--	--	0.0	786	758	4.35	4.51	8.2	4.35
May	0	0	--	--	--	0.0	686	661	4.13	4.29	7.0	4.13
June	0	0	--	--	--	0.0	628	603	3.89	4.05	6.1	3.89
July	0	0	--	--	--	0.0	693	668	3.86	4.00	5.7	3.86
August	0	0	--	--	--	0.0	732	703	4.86	5.06	5.9	4.86
Sept	0	0	--	--	--	0.0	766	738	4.56	4.73	7.3	4.53
October	0	0	--	--	--	0.0	657	634	3.98	4.12	7.0	4.00
November	0	0	--	--	--	0.0	656	636	3.18	3.28	6.7	3.18
December	0	0	--	--	--	0.0	850	821	3.73	3.86	7.5	3.74
Year 2023												
January	0	0	--	--	--	--	707	682	3.11	3.22	6.3	3.14
February	0	0	--	--	--	--	707	683	3.01	3.11	6.9	3.05
March	0	0	--	--	--	--	680	655	3.05	3.17	6.2	3.05
April	0	0	--	--	--	--	720	700	2.89	2.97	7.6	2.89
May	0	0	--	--	--	--	748	726	2.84	2.92	7.9	2.84
June	0	0	--	--	--	--	617	598	2.89	2.99	5.9	2.89
July	0	0	--	--	--	--	629	607	3.07	3.18	5.6	3.07
August	0	0	--	--	--	--	670	646	3.09	3.21	5.9	3.09
Sept	0	0	--	--	--	--	619	597	3.10	3.21	5.8	3.10
October	0	0	--	--	--	--	685	664	3.03	3.13	6.7	3.03
November	0	0	--	--	--	--	687	664	3.19	3.31	6.4	3.19
December	0	0	--	--	--	--	661	638	3.27	3.38	5.8	3.30
Year 2024												
January	0	0	--	--	--	--	715	686	3.29	3.43	5.9	3.40
February	0	0	--	--	--	--	666	641	3.29	3.42	6.1	3.35
March	0	0	--	--	--	--	572	552	3.18	3.29	5.1	3.18
Year to Date												
2022	0	0	--	--	--	0.0	2,182	2,101	3.30	3.43	6.7	3.33
2023	0	0	--	--	--	--	2,093	2,021	3.06	3.17	6.5	3.08
2024	0	0	--	--	--	--	1,952	1,880	3.26	3.39	5.7	3.32
Rolling 12 Months Ending in March												
2023	0	0	--	--	--	0.0	8,547	8,242	3.82	3.96	6.7	3.84
2024	0	0	--	--	--	--	7,989	7,720	3.09	3.20	6.2	3.11

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

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

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

Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2014 - March 2024

	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												
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	141,492	6,781	2.33	48.60	1.33	69.9	2,380	387	12.90	79.39	1.46	21.3
2022	138,708	6,721	2.78	57.30	1.27	70.3	2,475	404	18.35	112.54	1.26	10.5
2023	123,941	6,174	3.26	65.45	1.02	71.7	2,862	468	17.32	105.80	1.35	15.2
Year 2022												
January	12,244	593	2.58	53.22	1.35	67.4	301	49	14.12	86.62	1.46	18.3
February	10,697	520	2.65	54.46	1.17	68.2	229	37	15.76	97.63	1.27	16.8
March	12,941	626	2.53	52.28	1.39	74.0	219	36	15.78	97.43	1.06	11.4
April	10,674	504	2.78	58.94	1.37	65.8	112	18	19.33	118.47	1.55	5.7
May	12,282	597	2.49	51.10	1.38	72.5	175	29	19.13	117.32	0.90	10.0
June	11,491	564	2.36	48.06	1.45	72.2	144	23	21.21	129.90	1.07	6.9
July	12,246	595	2.65	54.47	1.30	75.6	156	26	19.35	118.47	1.57	7.5
August	10,874	533	2.67	54.52	1.21	66.4	157	25	20.21	124.53	1.54	11.4
Sept	11,393	556	3.10	63.58	1.06	74.0	202	33	18.30	112.79	1.13	10.7
October	11,143	541	3.52	72.50	0.91	68.4	223	36	17.89	109.96	1.15	11.7
November	10,179	488	3.21	66.97	1.29	65.4	219	36	23.10	140.27	1.11	12.1
December	12,543	605	2.91	60.37	1.36	73.2	337	56	19.51	118.50	1.38	9.1
Year 2023												
January	11,082	548	2.99	60.56	1.21	66.3	336	55	17.76	108.25	1.35	15.8
February	10,894	523	3.79	78.83	1.06	72.3	332	55	17.22	104.12	1.55	20.5
March	10,570	525	3.64	73.24	0.78	71.6	440	73	16.48	99.40	1.62	21.2
April	11,351	563	3.48	70.15	0.97	80.0	300	50	17.07	103.34	1.55	17.7
May	10,576	520	3.41	69.33	1.16	72.2	309	51	15.64	95.51	1.12	23.0
June	10,155	532	2.82	53.77	0.82	76.0	93	15	16.41	103.52	1.09	6.7
July	9,652	499	2.86	55.29	0.73	70.1	141	23	16.54	102.83	1.00	10.9
August	10,109	515	3.10	60.84	0.91	77.7	136	22	17.84	111.00	1.20	9.9
Sept	8,716	431	3.73	75.33	1.07	63.4	154	25	16.85	104.23	1.13	11.8
October	10,465	521	3.22	64.67	1.08	74.9	232	38	20.00	122.63	1.47	17.1
November	9,969	489	3.04	62.05	1.15	68.6	198	32	19.26	117.80	1.37	13.5
December	10,403	508	3.04	62.22	1.25	68.8	191	31	17.47	108.06	1.32	10.4
Year 2024												
January	9,556	480	2.78	55.44	0.87	58.3	313	51	16.91	104.56	1.20	11.7
February	11,198	553	3.08	62.42	1.01	77.6	195	32	18.01	108.28	1.65	12.4
March	10,962	527	3.18	66.06	0.99	64.3	148	24	15.74	95.28	1.53	9.7
Year to Date												
2022	35,882	1,739	2.58	53.25	1.31	69.9	749	122	15.11	93.13	1.28	15.2
2023	32,546	1,596	3.47	70.72	1.02	69.9	1,108	183	17.09	103.48	1.50	19.0
2024	31,717	1,560	3.03	61.50	0.96	66.2	655	107	16.98	103.58	1.33	11.3
Rolling 12 Months Ending in March												
2023	135,372	6,578	3.00	61.63	1.20	70.3	2,834	465	18.71	114.04	1.36	11.6
2024	123,111	6,138	3.15	63.07	1.00	70.7	2,410	393	17.33	106.28	1.32	12.8

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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, 2014 - March 2024 (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												
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	801,054	778,861	4.65	4.79	56.5	4.33
2022	82	3	4.46	124.88	5.99	0.4	835,428	812,863	6.51	6.69	59.1	6.01
2023	0	0	--	--	--	--	787,434	765,807	2.97	3.05	55.0	3.05
Year 2022												
January	0	0	--	--	--	0.0	76,455	74,275	4.68	4.82	59.9	4.42
February	0	0	--	--	--	0.0	65,784	63,860	5.74	5.91	59.0	5.34
March	0	0	--	--	--	0.0	71,461	69,559	4.69	4.82	60.3	4.39
April	0	0	--	--	--	0.0	67,470	65,714	5.97	6.13	60.8	5.55
May	0	0	--	--	--	0.0	67,025	65,283	7.68	7.89	58.8	6.90
June	0	0	--	--	--	0.0	68,964	67,264	8.29	8.50	60.1	7.47
July	0	0	--	--	--	0.0	72,749	70,916	6.93	7.11	58.8	6.33
August	0	0	--	--	--	0.0	73,848	72,011	8.69	8.91	59.1	7.94
Sept	0	0	--	--	--	0.0	66,052	64,306	8.40	8.63	57.9	7.65
October	82	3	4.46	124.88	5.99	4.6	65,621	63,673	5.82	5.99	57.1	5.52
November	0	0	--	--	--	0.0	69,498	67,553	5.11	5.26	58.9	4.92
December	0	0	--	--	--	0.0	70,500	68,450	6.26	6.45	58.4	5.81
Year 2023												
January	0	0	--	--	--	--	69,363	67,415	5.03	5.17	54.6	4.80
February	0	0	--	--	--	--	62,244	60,546	3.23	3.32	54.9	3.37
March	0	0	--	--	--	--	66,976	65,267	2.75	2.82	54.6	2.94
April	0	0	--	--	--	--	60,328	58,682	2.31	2.38	56.3	2.56
May	0	0	--	--	--	--	63,898	62,168	2.37	2.43	56.7	2.57
June	0	0	--	--	--	--	64,518	62,967	2.48	2.54	55.3	2.54
July	0	0	--	--	--	--	64,395	62,551	2.85	2.93	53.1	2.87
August	0	0	--	--	--	--	65,646	63,786	2.82	2.91	54.4	2.89
Sept	0	0	--	--	--	--	64,674	62,843	2.80	2.88	54.4	2.94
October	0	0	--	--	--	--	64,422	62,613	2.86	2.94	55.2	2.96
November	0	0	--	--	--	--	67,757	65,829	3.09	3.18	55.7	3.13
December	0	0	--	--	--	--	73,212	71,141	2.86	2.95	55.3	2.92
Year 2024												
January	0	0	--	--	--	--	72,977	70,824	3.61	3.72	53.6	3.57
February	0	0	--	--	--	--	63,201	61,384	2.58	2.66	54.1	2.70
March	0	0	--	--	--	--	64,810	63,040	1.82	1.87	54.8	2.05
Year to Date												
2022	0	0	--	--	--	0.0	213,700	207,694	5.01	5.15	59.8	4.69
2023	0	0	--	--	--	--	198,583	193,228	3.69	3.80	54.7	3.73
2024	0	0	--	--	--	--	200,988	195,247	2.71	2.79	54.1	2.80
Rolling 12 Months Ending in March												
2023	82	3	4.46	124.88	5.99	0.4	820,311	798,396	6.22	6.39	57.8	5.80
2024	0	0	--	--	--	--	789,839	767,827	2.72	2.80	54.9	2.82

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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.
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Table 4.6.A. Receipts of Coal Delivered for Electricity Generation by State, March 2024 and 2023
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	6	17	-64.0%	0	0	6	17	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	6	7	-14.0%	0	0	6	7	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	10	-100.0%	0	0	0	10	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	531	533	-0.4%	0	0	521	521	0	0	9	11
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	531	533	-0.4%	0	0	521	521	0	0	9	11
East North Central	5,218	7,552	-31.0%	3,246	4,584	1,858	2,834	0	0	114	134
Illinois	1,533	2,252	-32.0%	156	502	1,263	1,616	0	0	114	134
Indiana	1,534	2,052	-25.0%	1,418	1,824	115	228	0	0	0	0
Michigan	821	858	-4.3%	821	845	0	13	0	0	0	0
Ohio	692	1,212	-43.0%	212	235	480	978	0	0	0	0
Wisconsin	639	1,178	-46.0%	639	1,178	0	0	0	0	0	0
West North Central	6,178	8,871	-30.0%	5,958	8,645	0	0	0	0	220	227
Iowa	985	1,197	-18.0%	796	1,037	0	0	0	0	189	160
Kansas	617	1,458	-58.0%	617	1,458	0	0	0	0	0	0
Minnesota	679	837	-19.0%	679	837	0	0	0	0	0	0
Missouri	1,354	2,730	-50.0%	1,354	2,730	0	0	0	0	0	0
Nebraska	805	1,067	-25.0%	774	1,000	0	0	0	0	32	67
North Dakota	1,661	1,495	11.0%	1,661	1,495	0	0	0	0	0	0
South Dakota	77	87	-11.0%	77	87	0	0	0	0	0	0
South Atlantic	3,673	4,501	-18.0%	3,431	3,882	215	560	0	0	28	59
Delaware	0	24	-100.0%	0	0	0	24	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	359	457	-21.0%	359	457	0	0	0	0	0	0
Georgia	668	819	-19.0%	656	807	0	0	0	0	11	12
Maryland	22	105	-79.0%	0	0	22	105	0	0	0	0
North Carolina	504	261	93.0%	504	245	0	0	0	0	0	16
South Carolina	683	598	14.0%	683	568	0	21	0	0	0	8
Virginia	29	58	-51.0%	12	35	0	0	0	0	17	23
West Virginia	1,409	2,181	-35.0%	1,217	1,771	192	410	0	0	0	0
East South Central	4,071	4,240	-4.0%	3,787	3,866	178	321	0	0	107	53
Alabama	944	1,192	-21.0%	944	1,192	0	0	0	0	0	0
Kentucky	2,498	2,366	5.6%	2,498	2,366	0	0	0	0	0	0
Mississippi	250	407	-38.0%	72	86	178	321	0	0	0	0
Tennessee	379	275	37.0%	272	222	0	0	0	0	107	53
West South Central	4,336	6,319	-31.0%	2,086	3,248	2,248	3,066	0	0	3	5
Arkansas	730	893	-18.0%	645	699	81	189	0	0	3	5
Louisiana	319	506	-37.0%	161	299	159	207	0	0	0	0
Oklahoma	254	550	-54.0%	254	550	0	0	0	0	0	0
Texas	3,034	4,370	-31.0%	1,026	1,700	2,008	2,669	0	0	0	0
Mountain	3,831	5,253	-27.0%	3,250	4,442	582	811	0	0	0	0
Arizona	499	812	-39.0%	499	812	0	0	0	0	0	0
Colorado	512	1,069	-52.0%	512	1,069	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	444	686	-35.0%	0	0	444	686	0	0	0	0
Nevada	149	85	76.0%	96	35	53	50	0	0	0	0
New Mexico	288	520	-45.0%	288	520	0	0	0	0	0	0
Utah	811	664	22.0%	773	634	38	31	0	0	0	0
Wyoming	1,128	1,417	-20.0%	1,081	1,372	47	44	0	0	0	0
Pacific Contiguous	168	355	-53.0%	0	0	122	319	0	0	46	36
California	46	36	28.0%	0	0	0	0	0	0	46	36
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	122	319	-62.0%	0	0	122	319	0	0	0	0
Pacific Noncontiguous	28	36	-22.0%	28	36	0	0	0	0	0	0
Alaska	28	36	-22.0%	28	36	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	28,041	37,677	-26.0%	21,785	28,703	5,729	8,449	0	0	527	525

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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) March 2024 and 2023 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
New England	14	79	-83.0%	0	0	14	79	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	14	25	-45.0%	0	0	14	25	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	54	-100.0%	0	0	0	54	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	1,723	1,886	-8.6%	0	0	1,713	1,863	0	0	9	23
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	1,723	1,886	-8.6%	0	0	1,713	1,863	0	0	9	23
East North Central	16,182	22,529	-28.0%	10,014	13,662	5,788	8,479	0	0	381	388
Illinois	4,900	6,542	-25.0%	640	1,355	3,879	4,799	0	0	381	388
Indiana	4,297	5,886	-27.0%	4,004	5,371	293	516	0	0	0	0
Michigan	2,140	3,208	-33.0%	2,140	3,196	0	13	0	0	0	0
Ohio	2,063	3,795	-46.0%	447	643	1,616	3,152	0	0	0	0
Wisconsin	2,783	3,097	-10.0%	2,783	3,097	0	0	0	0	0	0
West North Central	21,042	25,162	-16.0%	20,359	24,486	0	0	6	2	678	674
Iowa	2,834	3,288	-14.0%	2,313	2,800	0	0	0	0	521	489
Kansas	2,142	3,331	-36.0%	2,142	3,331	0	0	0	0	0	0
Minnesota	2,281	2,430	-6.1%	2,281	2,430	0	0	0	0	0	0
Missouri	5,380	7,418	-27.0%	5,374	7,416	0	0	6	2	0	0
Nebraska	2,800	3,110	-10.0%	2,642	2,924	0	0	0	0	157	186
North Dakota	5,390	5,410	-0.4%	5,390	5,410	0	0	0	0	0	0
South Dakota	215	174	23.0%	215	174	0	0	0	0	0	0
South Atlantic	11,128	13,902	-20.0%	10,293	11,845	753	1,876	0	0	82	180
Delaware	0	24	-100.0%	0	0	0	24	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	896	1,654	-46.0%	886	1,643	0	0	0	0	10	10
Georgia	2,115	2,284	-7.4%	2,092	2,245	0	0	0	0	22	39
Maryland	99	361	-73.0%	0	0	99	361	0	0	0	0
North Carolina	1,670	1,421	17.0%	1,670	1,369	0	0	0	0	0	52
South Carolina	1,974	1,866	5.8%	1,967	1,808	0	43	0	0	7	15
Virginia	201	402	-50.0%	159	339	0	0	0	0	42	64
West Virginia	4,173	5,890	-29.0%	3,519	4,442	654	1,448	0	0	0	0
East South Central	11,006	12,186	-9.7%	10,304	11,330	455	710	0	0	248	146
Alabama	2,682	3,356	-20.0%	2,682	3,356	0	0	0	0	0	0
Kentucky	6,610	7,095	-6.8%	6,610	7,095	0	0	0	0	0	0
Mississippi	717	1,005	-29.0%	263	295	455	710	0	0	0	0
Tennessee	997	730	37.0%	749	584	0	0	0	0	248	146
West South Central	15,241	18,288	-17.0%	7,071	9,332	8,144	8,899	0	0	26	57
Arkansas	2,462	2,637	-6.6%	2,060	2,019	392	603	0	0	11	15
Louisiana	916	1,318	-31.0%	521	776	395	542	0	0	0	0
Oklahoma	777	1,553	-50.0%	762	1,511	0	0	0	0	15	42
Texas	11,086	12,780	-13.0%	3,729	5,026	7,357	7,754	0	0	0	0
Mountain	13,494	14,547	-7.2%	11,441	12,344	2,053	2,203	0	0	0	0
Arizona	1,620	2,257	-28.0%	1,620	2,257	0	0	0	0	0	0
Colorado	1,953	2,704	-28.0%	1,953	2,704	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	1,639	1,830	-10.0%	0	0	1,639	1,830	0	0	0	0
Nevada	444	272	63.0%	284	120	160	152	0	0	0	0
New Mexico	1,247	1,292	-3.4%	1,247	1,292	0	0	0	0	0	0
Utah	2,376	2,321	2.4%	2,261	2,227	115	94	0	0	0	0
Wyoming	4,215	3,872	8.9%	4,076	3,744	139	128	0	0	0	0
Pacific Contiguous	592	841	-30.0%	0	0	455	714	0	0	137	128
California	137	128	7.3%	0	0	0	0	0	0	137	128
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	455	714	-36.0%	0	0	455	714	0	0	0	0
Pacific Noncontiguous	102	82	25.0%	102	82	0	0	0	0	0	0
Alaska	102	82	25.0%	102	82	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	90,524	109,501	-17.0%	69,582	83,080	19,376	24,823	6	2	1,560	1,596

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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, March 2024 and 2023
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	1	2	-58.0%	0	0	1	2	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	1	2	-69.0%	0	0	1	2	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	-36.0%	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	10	16	-40.0%	0	2	3	8	0	0	6	5
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	0	2	-100.0%	0	2	0	0	0	0	0	0
Pennsylvania	10	13	-29.0%	0	0	3	8	0	0	6	5
East North Central	47	62	-25.0%	33	29	4	28	0	0	10	5
Illinois	4	3	22.0%	0	1	4	2	0	0	0	0
Indiana	10	13	-20.0%	10	13	0	0	0	0	0	0
Michigan	22	15	44.0%	21	12	0	0	0	0	0	3
Ohio	10	30	-67.0%	0	2	0	25	0	0	9	2
Wisconsin	1	2	-32.0%	1	2	0	0	0	0	0	0
West North Central	58	63	-7.8%	58	63	0	0	0	0	0	0
Iowa	12	9	25.0%	12	9	0	0	0	0	0	0
Kansas	22	10	110.0%	22	10	0	0	0	0	0	0
Minnesota	1	2	-77.0%	1	2	0	0	0	0	0	0
Missouri	10	18	-42.0%	10	18	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	14	20	-30.0%	14	20	0	0	0	0	0	0
South Dakota	0	4	-100.0%	0	4	0	0	0	0	0	0
South Atlantic	47	146	-67.0%	34	81	5	4	0	0	8	61
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	4	19	-79.0%	1	17	0	0	0	0	3	2
Georgia	7	43	-84.0%	2	9	0	0	0	0	5	34
Maryland	4	2	139.0%	0	0	4	2	0	0	0	0
North Carolina	6	23	-74.0%	6	4	0	0	0	0	0	20
South Carolina	6	16	-60.0%	6	14	0	0	0	0	0	2
Virginia	2	18	-91.0%	1	14	1	2	0	0	0	2
West Virginia	18	24	-26.0%	18	24	0	0	0	0	0	0
East South Central	12	75	-84.0%	11	73	0	0	0	0	0	2
Alabama	0	6	-100.0%	0	6	0	0	0	0	0	0
Kentucky	9	8	13.0%	9	8	0	0	0	0	0	0
Mississippi	2	0	--	2	0	0	0	0	0	0	0
Tennessee	1	61	-98.0%	1	59	0	0	0	0	0	2
West South Central	4	14	-67.0%	2	12	3	1	0	0	0	0
Arkansas	0	6	-94.0%	0	5	0	1	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	4	7	-47.0%	2	7	2	0	0	0	0	0
Mountain	14	17	-16.0%	9	16	6	1	0	0	0	0
Arizona	1	2	-38.0%	1	2	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	5	0	--	0	0	5	0	0	0	0	0
Nevada	1	1	-55.0%	0	1	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	1	2	-59.0%	1	2	0	1	0	0	0	0
Wyoming	6	11	-44.0%	6	11	0	0	0	0	0	0
Pacific Contiguous	3	1	267.0%	0	0	3	1	0	0	0	0
California	0	0	--	0	0	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	3	1	267.0%	0	0	3	1	0	0	0	0
Pacific Noncontiguous	786	805	-2.4%	613	629	172	176	0	0	0	0
Alaska	1	2	-48.0%	1	2	0	0	0	0	0	0
Hawaii	784	802	-2.3%	612	627	172	176	0	0	0	0
U.S. Total	982	1,200	-18.0%	761	907	197	220	0	0	24	73

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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) March 2024 and 2023 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
New England	107	469	-77.0%	0	0	107	469	0	0	0	0
Connecticut	30	0	--	0	0	30	0	0	0	0	0
Maine	15	170	-91.0%	0	0	15	170	0	0	0	0
Massachusetts	5	209	-98.0%	0	0	5	209	0	0	0	0
New Hampshire	56	66	-15.0%	0	0	56	66	0	0	0	0
Rhode Island	0	24	-100.0%	0	0	0	24	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	144	384	-63.0%	48	178	80	190	0	0	16	17
New Jersey	1	0	--	0	0	1	0	0	0	0	0
New York	105	319	-67.0%	48	178	57	142	0	0	0	0
Pennsylvania	38	65	-42.0%	0	0	22	48	0	0	16	17
East North Central	176	205	-14.0%	98	144	58	47	0	0	20	13
Illinois	17	13	30.0%	0	3	17	11	0	0	0	0
Indiana	38	49	-23.0%	38	49	0	0	0	0	0	0
Michigan	48	44	9.7%	45	38	0	0	0	0	3	6
Ohio	68	95	-28.0%	11	50	41	37	0	0	16	7
Wisconsin	5	4	19.0%	5	4	0	0	0	0	0	0
West North Central	258	237	9.1%	258	237	0	0	0	0	0	0
Iowa	36	29	24.0%	36	29	0	0	0	0	0	0
Kansas	81	36	125.0%	81	36	0	0	0	0	0	0
Minnesota	2	5	-70.0%	2	5	0	0	0	0	0	0
Missouri	94	121	-22.0%	94	121	0	0	0	0	0	0
Nebraska	6	1	319.0%	6	1	0	0	0	0	0	0
North Dakota	34	36	-5.4%	34	36	0	0	0	0	0	0
South Dakota	6	8	-29.0%	6	8	0	0	0	0	0	0
South Atlantic	347	1,127	-69.0%	212	801	65	176	0	0	71	150
Delaware	2	2	33.0%	0	0	2	2	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	43	340	-87.0%	33	276	0	55	0	0	11	9
Georgia	60	180	-67.0%	16	106	2	0	0	0	41	74
Maryland	47	32	44.0%	0	0	47	32	0	0	0	0
North Carolina	60	196	-70.0%	60	148	0	0	0	0	0	48
South Carolina	45	71	-37.0%	40	51	0	10	0	0	5	10
Virginia	44	197	-78.0%	16	135	14	52	0	0	13	9
West Virginia	48	110	-57.0%	48	85	0	25	0	0	0	0
East South Central	45	264	-83.0%	44	261	0	0	0	0	1	3
Alabama	8	39	-79.0%	8	39	0	0	0	0	0	0
Kentucky	25	64	-60.0%	25	64	0	0	0	0	0	0
Mississippi	4	1	258.0%	4	1	0	0	0	0	0	0
Tennessee	7	160	-95.0%	6	157	0	0	0	0	1	3
West South Central	55	34	60.0%	43	26	12	9	0	0	0	0
Arkansas	13	15	-16.0%	7	11	6	5	0	0	0	0
Louisiana	3	0	--	3	0	0	0	0	0	0	0
Oklahoma	2	2	-1.3%	2	2	0	0	0	0	0	0
Texas	38	17	119.0%	31	13	6	4	0	0	0	0
Mountain	62	74	-16.0%	52	68	10	5	0	0	0	0
Arizona	9	10	-12.0%	9	10	0	0	0	0	0	0
Colorado	7	10	-32.0%	7	10	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	20	3	597.0%	12	0	9	3	0	0	0	0
Nevada	2	3	-10.0%	2	2	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	11	24	-55.0%	10	22	1	2	0	0	0	0
Wyoming	13	24	-46.0%	13	24	0	0	0	0	0	0
Pacific Contiguous	18	34	-48.0%	13	32	5	2	0	0	0	0
California	0	0	--	0	0	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	18	34	-48.0%	13	32	5	2	0	0	0	0
Pacific Noncontiguous	2,481	2,241	11.0%	2,064	1,831	417	409	0	0	0	0
Alaska	4	7	-40.0%	4	7	0	0	0	0	0	0
Hawaii	2,477	2,234	11.0%	2,060	1,825	417	409	0	0	0	0
U.S. Total	3,693	5,068	-27.0%	2,831	3,577	754	1,307	0	0	107	183

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Notes:
See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Petroleum Liquids includes distillate and residual fuel oils.
See the Technical Notes for fuel conversion factors.

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

Table 4.8.A. Receipts of Petroleum Coke Delivered for Electricity Generation by State, March 2024 and 2023
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
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	38	48	-21.0%	38	48	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	38	44	-14.0%	38	44	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	0	4	-100.0%	0	4	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	54	-100.0%	0	54	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	54	-100.0%	0	54	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	70	-100.0%	0	70	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	70	-100.0%	0	70	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	38	172	-78.0%	38	172	0	0	0	0	0	0

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

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

Table 4.8.B. Receipts of Petroleum Coke Delivered for Electricity Generation by State, (Year-to-Date) March 2024 and 2023
(Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 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	121	138	-13.0%	121	138	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	117	130	-9.8%	117	130	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	3	8	-61.0%	3	8	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	135	-100.0%	0	135	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	135	-100.0%	0	135	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	211	-100.0%	0	211	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	211	-100.0%	0	211	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	121	484	-75.0%	121	484	0	0	0	0	0	0

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

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

Table 4.9.A. Receipts of Natural Gas Delivered for Electricity Generation by State, March 2024 and 2023
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	27,913	26,068	7.1%	0	0	27,913	26,068	0	0	0	0
Connecticut	13,269	13,785	-3.7%	0	0	13,269	13,785	0	0	0	0
Maine	1,919	1,070	79.0%	0	0	1,919	1,070	0	0	0	0
Massachusetts	9,177	6,692	37.0%	0	0	9,177	6,692	0	0	0	0
New Hampshire	1,734	1,821	-4.8%	0	0	1,734	1,821	0	0	0	0
Rhode Island	1,814	2,700	-33.0%	0	0	1,814	2,700	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	121,985	119,111	2.4%	7,241	6,545	112,692	110,254	0	0	2,052	2,312
New Jersey	12,098	13,250	-8.7%	0	0	12,098	13,250	0	0	0	0
New York	31,700	26,863	18.0%	7,241	6,545	23,842	19,702	0	0	617	616
Pennsylvania	78,187	78,998	-1.0%	0	0	76,752	77,302	0	0	1,435	1,696
East North Central	115,191	107,977	6.7%	39,435	39,091	74,071	67,023	371	503	1,314	1,360
Illinois	10,461	8,783	19.0%	1,767	1,189	8,685	7,589	0	0	8	5
Indiana	19,885	19,489	2.0%	9,541	10,428	10,345	9,061	0	0	0	0
Michigan	28,047	28,659	-2.1%	9,196	9,559	18,025	18,099	371	503	455	498
Ohio	42,708	38,289	12.0%	5,376	5,549	36,858	32,224	0	0	475	516
Wisconsin	14,090	12,757	10.0%	13,555	12,367	159	50	0	0	375	341
West North Central	14,356	12,669	13.0%	13,219	10,357	382	1,832	181	152	574	328
Iowa	3,286	4,328	-24.0%	2,712	4,000	0	0	0	0	574	328
Kansas	3,632	1,838	98.0%	3,632	1,838	0	0	0	0	0	0
Minnesota	4,024	3,333	21.0%	3,650	2,937	374	394	1	1	0	0
Missouri	2,807	2,680	4.7%	2,619	1,092	8	1,438	181	151	0	0
Nebraska	65	63	3.3%	65	63	0	0	0	0	0	0
North Dakota	379	286	32.0%	379	286	0	0	0	0	0	0
South Dakota	163	141	15.0%	163	141	0	0	0	0	0	0
South Atlantic	203,142	206,779	-1.8%	174,003	173,769	25,617	29,783	0	0	3,522	3,227
Delaware	530	1,311	-60.0%	0	0	530	1,311	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	101,073	97,227	4.0%	99,082	93,619	1,579	3,268	0	0	412	340
Georgia	23,923	29,633	-19.0%	18,582	23,162	4,323	5,521	0	0	1,018	949
Maryland	5,376	9,653	-44.0%	975	3,083	4,401	6,570	0	0	0	0
North Carolina	24,097	28,921	-17.0%	19,823	23,729	4,274	4,971	0	0	0	221
South Carolina	10,748	14,103	-24.0%	10,319	13,831	167	71	0	0	262	201
Virginia	35,098	24,633	42.0%	25,101	16,253	8,800	7,543	0	0	1,197	836
West Virginia	2,297	1,298	77.0%	121	91	1,543	526	0	0	633	681
East South Central	65,993	78,007	-15.0%	53,411	55,307	10,366	20,564	0	0	2,216	2,136
Alabama	21,753	30,879	-30.0%	11,392	10,491	10,361	20,388	0	0	0	0
Kentucky	5,013	7,322	-32.0%	5,013	7,163	0	159	0	0	0	0
Mississippi	28,413	30,818	-7.8%	28,408	30,802	5	16	0	0	0	0
Tennessee	10,814	8,987	20.0%	8,598	6,851	0	0	0	0	2,216	2,136
West South Central	221,921	216,004	2.7%	74,046	64,530	96,573	97,627	0	0	51,302	53,848
Arkansas	10,222	11,465	-11.0%	8,703	10,276	1,254	958	0	0	265	231
Louisiana	42,519	42,547	-0.1%	25,820	23,669	1,313	2,757	0	0	15,386	16,120
Oklahoma	17,933	17,938	0.0%	14,060	11,022	3,460	6,395	0	0	413	522
Texas	151,247	144,054	5.0%	25,463	19,563	90,545	87,517	0	0	35,238	36,975
Mountain	61,103	63,754	-4.2%	53,731	55,130	7,331	8,622	0	0	41	1
Arizona	21,858	22,678	-3.6%	17,640	17,531	4,218	5,148	0	0	0	0
Colorado	11,562	10,872	6.3%	9,788	9,576	1,775	1,296	0	0	0	0
Idaho	1,402	767	83.0%	1,402	767	0	0	0	0	0	0
Montana	307	606	-49.0%	307	606	0	0	0	0	0	0
Nevada	11,304	13,435	-16.0%	11,304	13,435	0	0	0	0	0	0
New Mexico	6,980	7,744	-9.9%	5,642	5,565	1,338	2,179	0	0	0	0
Utah	6,035	6,757	-11.0%	5,994	6,756	0	0	0	0	41	1
Wyoming	1,655	894	85.0%	1,655	894	0	0	0	0	0	0
Pacific Contiguous	46,044	60,023	-23.0%	17,844	24,473	26,182	33,495	0	0	2,019	2,055
California	28,822	41,319	-30.0%	9,055	15,018	17,748	24,246	0	0	2,019	2,055
Oregon	11,395	10,280	11.0%	4,277	3,906	7,119	6,374	0	0	0	0
Washington	5,826	8,424	-31.0%	4,512	5,550	1,315	2,874	0	0	0	0
Pacific Noncontiguous	4	2	77.0%	4	2	0	0	0	0	0	0
Alaska	4	2	77.0%	4	2	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	877,652	890,394	-1.4%	432,933	429,205	381,126	395,267	552	655	63,040	65,267

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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) March 2024 and 2023
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
New England	84,893	76,299	11.0%	0	0	84,893	76,299	0	0	0	0
Connecticut	38,658	38,324	0.9%	0	0	38,658	38,324	0	0	0	0
Maine	5,286	2,781	90.0%	0	0	5,286	2,781	0	0	0	0
Massachusetts	29,398	23,162	27.0%	0	0	29,398	23,162	0	0	0	0
New Hampshire	5,763	4,570	26.0%	0	0	5,763	4,570	0	0	0	0
Rhode Island	5,787	7,463	-22.0%	0	0	5,787	7,463	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	379,597	362,674	4.7%	24,153	21,526	349,100	334,451	0	0	6,344	6,697
New Jersey	47,115	39,814	18.0%	0	0	47,115	39,814	0	0	0	0
New York	102,331	86,777	18.0%	24,153	21,526	76,288	63,475	0	0	1,890	1,775
Pennsylvania	230,151	236,084	-2.5%	0	0	225,697	231,162	0	0	4,454	4,922
East North Central	353,718	315,448	12.0%	115,664	106,968	232,427	202,874	1,406	1,529	4,222	4,077
Illinois	34,200	30,335	13.0%	5,190	3,941	28,989	26,382	0	0	21	12
Indiana	59,886	56,307	6.4%	28,061	26,360	31,824	29,947	0	0	0	0
Michigan	87,072	81,085	7.4%	27,601	23,849	56,711	54,171	1,406	1,529	1,355	1,536
Ohio	132,041	108,075	22.0%	15,710	14,834	114,562	91,662	0	0	1,769	1,580
Wisconsin	40,519	39,646	2.2%	39,101	37,984	340	712	0	0	1,077	949
West North Central	44,653	34,174	31.0%	38,273	28,094	4,484	4,425	474	491	1,422	1,164
Iowa	11,044	13,078	-16.0%	9,621	11,914	0	0	0	0	1,422	1,164
Kansas	8,536	4,916	74.0%	8,536	4,916	0	0	0	0	0	0
Minnesota	11,638	7,175	62.0%	10,477	6,472	1,156	700	4	3	0	0
Missouri	10,987	7,782	41.0%	7,190	3,569	3,327	3,725	470	488	0	0
Nebraska	301	215	40.0%	301	215	0	0	0	0	0	0
North Dakota	1,057	619	71.0%	1,057	619	0	0	0	0	0	0
South Dakota	1,090	390	180.0%	1,090	390	0	0	0	0	0	0
South Atlantic	635,547	623,724	1.9%	537,491	529,477	88,231	84,799	0	0	9,825	9,448
Delaware	3,516	3,676	-4.3%	0	0	3,516	3,676	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	286,220	274,513	4.3%	276,276	263,396	8,891	10,331	0	0	1,053	787
Georgia	84,499	93,145	-9.3%	69,316	75,047	12,302	15,435	0	0	2,881	2,663
Maryland	17,598	22,488	-22.0%	3,568	7,654	14,030	14,834	0	0	0	0
North Carolina	89,206	101,099	-12.0%	76,160	86,975	13,046	13,419	0	0	0	706
South Carolina	36,647	40,634	-9.8%	35,741	39,923	344	161	0	0	562	550
Virginia	111,551	83,601	33.0%	76,035	56,316	32,098	24,348	0	0	3,417	2,938
West Virginia	6,309	4,567	38.0%	395	166	4,003	2,595	0	0	1,911	1,806
East South Central	240,786	229,548	4.9%	187,092	162,082	46,707	60,899	0	0	6,987	6,567
Alabama	83,570	89,385	-6.5%	38,058	29,116	45,512	60,269	0	0	0	0
Kentucky	23,123	21,921	5.5%	21,955	21,332	1,168	589	0	0	0	0
Mississippi	99,873	90,254	11.0%	99,847	90,213	26	41	0	0	0	0
Tennessee	34,219	27,988	22.0%	27,233	21,421	0	0	0	0	6,987	6,567
West South Central	704,058	649,416	8.4%	221,360	201,311	322,223	288,445	0	0	160,475	159,660
Arkansas	26,186	35,512	-26.0%	22,161	32,213	3,133	2,552	0	0	893	747
Louisiana	129,245	118,178	9.4%	73,587	60,990	5,922	6,395	0	0	49,735	50,793
Oklahoma	68,335	56,587	21.0%	47,013	35,480	19,808	19,395	0	0	1,514	1,712
Texas	480,292	439,139	9.4%	78,599	72,629	293,360	260,103	0	0	108,333	106,407
Mountain	200,941	191,798	4.8%	172,694	164,441	28,106	27,356	0	0	141	1
Arizona	72,169	67,372	7.1%	55,297	50,693	16,872	16,679	0	0	0	0
Colorado	34,147	33,587	1.7%	29,079	29,478	5,068	4,109	0	0	0	0
Idaho	4,236	3,450	23.0%	4,236	3,450	0	0	0	0	0	0
Montana	1,379	2,226	-38.0%	1,379	2,226	0	0	0	0	0	0
Nevada	41,402	40,072	3.3%	41,402	40,072	0	0	0	0	0	0
New Mexico	22,260	22,593	-1.5%	16,096	16,026	6,164	6,567	0	0	0	0
Utah	20,515	19,391	5.8%	20,374	19,390	0	0	0	0	141	1
Wyoming	4,833	3,106	56.0%	4,831	3,105	2	1	0	0	0	0
Pacific Contiguous	184,202	185,372	-0.6%	70,218	67,533	108,152	112,224	0	0	5,832	5,614
California	128,859	133,683	-3.6%	41,139	41,859	81,889	86,210	0	0	5,832	5,614
Oregon	34,326	31,774	8.0%	13,323	12,182	21,004	19,592	0	0	0	0
Washington	21,016	19,915	5.5%	15,757	13,493	5,260	6,422	0	0	0	0
Pacific Noncontiguous	122	9	NM	122	9	0	0	0	0	0	0
Alaska	122	9	NM	122	9	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	2,828,515	2,668,463	6.0%	1,367,065	1,281,442	1,264,323	1,191,772	1,880	2,021	195,247	193,228

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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, March 2024 and 2023
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023
New England	W	W	W	--	--	W	W
Connecticut	--	--	--	--	--	--	--
Maine	W	W	W	--	--	W	W
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	W	W	--	--	--	W
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	1.83	2.47	-26.0%	--	--	1.83	2.47
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	1.83	2.47	-26.0%	--	--	1.83	2.47
East North Central	2.50	2.52	-0.8%	2.77	2.68	2.01	2.28
Illinois	1.74	W	W	2.46	1.93	1.64	W
Indiana	W	W	W	2.98	2.84	W	W
Michigan	2.86	W	W	2.86	2.57	--	W
Ohio	W	2.56	W	2.54	3.11	W	2.43
Wisconsin	2.24	2.64	-15.0%	2.24	2.64	--	--
West North Central	1.77	1.87	-5.3%	1.77	1.87	--	--
Iowa	1.91	1.82	4.9%	1.91	1.82	--	--
Kansas	1.50	1.65	-9.1%	1.50	1.65	--	--
Minnesota	2.21	2.42	-8.7%	2.21	2.42	--	--
Missouri	1.78	1.97	-9.6%	1.78	1.97	--	--
Nebraska	1.27	1.29	-1.6%	1.27	1.29	--	--
North Dakota	1.81	1.98	-8.6%	1.81	1.98	--	--
South Dakota	2.35	2.25	4.4%	2.35	2.25	--	--
South Atlantic	W	3.41	W	3.45	3.50	W	2.86
Delaware	--	W	W	--	--	--	W
District of Columbia	--	--	--	--	--	--	--
Florida	3.35	3.57	-6.2%	3.35	3.57	--	--
Georgia	4.17	4.59	-9.2%	4.17	4.59	--	--
Maryland	W	4.14	W	--	--	W	4.14
North Carolina	4.22	4.38	-3.7%	4.22	4.38	--	--
South Carolina	3.33	W	W	3.33	3.57	--	W
Virginia	5.61	5.55	1.1%	5.61	5.55	--	--
West Virginia	W	W	W	2.89	2.91	W	W
East South Central	W	W	W	2.61	2.78	W	W
Alabama	2.77	3.06	-9.5%	2.77	3.06	--	--
Kentucky	2.40	2.58	-7.0%	2.40	2.58	--	--
Mississippi	W	W	W	5.23	5.83	W	W
Tennessee	3.49	2.60	34.0%	3.49	2.60	--	--
West South Central	2.05	2.23	-8.1%	2.03	2.26	2.07	2.19
Arkansas	W	W	W	1.94	2.15	W	W
Louisiana	W	W	W	2.22	2.88	W	W
Oklahoma	2.18	2.51	-13.0%	2.18	2.51	--	--
Texas	W	W	W	2.02	2.10	W	W
Mountain	W	W	W	2.86	2.41	W	W
Arizona	3.17	3.05	3.9%	3.17	3.05	--	--
Colorado	2.17	1.84	18.0%	2.17	1.84	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	4.56	3.70	W	W
New Mexico	3.68	3.84	-4.2%	3.68	3.84	--	--
Utah	3.85	2.55	51.0%	3.85	2.55	--	--
Wyoming	W	W	W	1.78	1.77	W	W
Pacific Contiguous	W	W	W	--	--	W	W
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	4.67	4.65	0.4%	4.67	4.65	--	--
Alaska	4.67	4.65	0.4%	4.67	4.65	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.49	2.49	0.0%	2.59	2.54	2.07	2.32

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

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

Table 4.10.B. Average Cost of Coal Delivered for Electricity Generation by State, (Year-to-Date) March 2024 and 2023
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
New England	W	W	W	--	--	W	W
Connecticut	--	--	--	--	--	--	--
Maine	W	W	W	--	--	W	W
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	W	W	--	--	--	W
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.16	2.95	-27.0%	--	--	2.16	2.95
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	2.16	2.95	-27.0%	--	--	2.16	2.95
East North Central	2.50	2.53	-1.2%	2.73	2.73	2.11	2.20
Illinois	W	W	W	2.30	2.05	W	W
Indiana	W	W	W	2.97	2.96	W	W
Michigan	2.86	W	W	2.86	2.56	--	W
Ohio	W	2.47	W	2.62	2.89	W	2.39
Wisconsin	2.30	2.69	-14.0%	2.30	2.69	--	--
West North Central	1.78	1.87	-4.8%	1.78	1.87	--	--
Iowa	1.93	1.84	4.9%	1.93	1.84	--	--
Kansas	1.60	1.68	-4.8%	1.60	1.68	--	--
Minnesota	2.27	2.46	-7.7%	2.27	2.46	--	--
Missouri	1.83	2.00	-8.5%	1.83	2.00	--	--
Nebraska	1.27	1.35	-5.9%	1.27	1.35	--	--
North Dakota	1.73	1.77	-2.3%	1.73	1.77	--	--
South Dakota	2.35	2.28	3.1%	2.35	2.28	--	--
South Atlantic	3.46	3.50	-1.1%	3.55	3.65	2.28	2.62
Delaware	--	W	W	--	--	--	W
District of Columbia	--	--	--	--	--	--	--
Florida	3.41	3.53	-3.4%	3.41	3.53	--	--
Georgia	4.10	4.50	-8.9%	4.10	4.50	--	--
Maryland	W	4.22	W	--	--	W	4.22
North Carolina	4.51	4.45	1.3%	4.51	4.45	--	--
South Carolina	3.31	W	W	3.31	3.72	--	W
Virginia	4.83	5.17	-6.6%	4.83	5.17	--	--
West Virginia	W	W	W	2.95	2.98	W	W
East South Central	W	W	W	2.62	2.89	W	W
Alabama	2.90	3.14	-7.6%	2.90	3.14	--	--
Kentucky	2.42	2.62	-7.6%	2.42	2.62	--	--
Mississippi	W	W	W	3.72	5.32	W	W
Tennessee	3.25	3.85	-16.0%	3.25	3.85	--	--
West South Central	2.09	2.27	-7.9%	2.07	2.39	2.11	2.14
Arkansas	W	W	W	2.09	2.34	W	W
Louisiana	W	W	W	2.29	3.20	W	W
Oklahoma	2.17	2.43	-11.0%	2.17	2.43	--	--
Texas	W	W	W	2.00	2.25	W	W
Mountain	W	W	W	2.76	2.42	W	W
Arizona	3.12	3.07	1.6%	3.12	3.07	--	--
Colorado	2.16	1.85	17.0%	2.16	1.85	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	4.62	3.34	W	W
New Mexico	3.76	3.82	-1.6%	3.76	3.82	--	--
Utah	3.70	2.44	52.0%	3.70	2.44	--	--
Wyoming	W	W	W	1.82	1.89	W	W
Pacific Contiguous	W	W	W	--	--	W	W
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	4.64	4.72	-1.7%	4.64	4.72	--	--
Alaska	4.64	4.72	-1.7%	4.64	4.72	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.48	2.55	-2.7%	2.57	2.62	2.14	2.31

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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, March 2024 and 2023
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023
New England	15.11	W	W	--	--	15.11	W
Connecticut	W	--	W	--	--	W	--
Maine	W	W	W	--	--	W	W
Massachusetts	--	--	--	--	--	--	--
New Hampshire	W	W	W	--	--	W	W
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	W	20.56	W	--	20.54	W	20.56
New Jersey	--	--	--	--	--	--	--
New York	--	W	W	--	20.54	--	W
Pennsylvania	W	W	W	--	--	W	W
East North Central	20.10	19.87	1.2%	19.90	18.70	21.65	21.14
Illinois	21.65	W	W	--	21.90	21.65	W
Indiana	20.04	21.04	-4.8%	20.04	21.04	--	--
Michigan	19.82	15.67	26.0%	19.82	15.67	--	--
Ohio	21.03	W	W	21.03	19.34	--	W
Wisconsin	19.80	20.68	-4.3%	19.80	20.68	--	--
West North Central	20.26	20.50	-1.2%	20.26	20.50	--	--
Iowa	20.70	20.40	1.5%	20.70	20.40	--	--
Kansas	20.30	20.70	-1.9%	20.30	20.70	--	--
Minnesota	19.41	20.43	-5.0%	19.41	20.43	--	--
Missouri	19.81	20.86	-5.0%	19.81	20.86	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	20.18	19.81	1.9%	20.18	19.81	--	--
South Dakota	--	22.22	--	--	22.22	--	--
South Atlantic	W	W	W	20.87	21.60	W	W
Delaware	W	--	W	--	--	W	--
District of Columbia	--	--	--	--	--	--	--
Florida	21.27	22.48	-5.4%	21.27	22.48	--	--
Georgia	21.67	23.47	-7.7%	21.67	23.47	--	--
Maryland	W	W	W	--	--	W	W
North Carolina	20.27	20.78	-2.5%	20.27	20.78	--	--
South Carolina	20.57	20.95	-1.8%	20.57	20.95	--	--
Virginia	W	W	W	20.47	19.72	W	W
West Virginia	21.08	21.87	-3.6%	21.08	21.87	--	--
East South Central	19.81	21.62	-8.4%	19.81	21.62	--	--
Alabama	--	20.79	--	--	20.79	--	--
Kentucky	19.89	21.43	-7.2%	19.89	21.43	--	--
Mississippi	19.35	--	--	19.35	--	--	--
Tennessee	20.04	21.73	-7.8%	20.04	21.73	--	--
West South Central	W	W	W	17.26	21.25	W	W
Arkansas	W	W	W	--	21.83	W	W
Louisiana	--	--	--	--	--	--	--
Oklahoma	20.06	--	--	20.06	--	--	--
Texas	W	W	W	16.98	20.81	W	W
Mountain	W	W	W	21.65	26.06	W	W
Arizona	23.44	29.45	-20.0%	23.44	29.45	--	--
Colorado	19.89	--	--	19.89	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	--	W	--	--	W	--
Nevada	W	W	W	24.42	30.05	W	W
New Mexico	--	--	--	--	--	--	--
Utah	W	W	W	21.61	24.39	W	W
Wyoming	21.19	25.26	-16.0%	21.19	25.26	--	--
Pacific Contiguous	W	W	W	--	--	W	W
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	19.62	20.36	W	W
Alaska	22.69	25.95	-13.0%	22.69	25.95	--	--
Hawaii	W	W	W	19.61	20.34	W	W
U.S. Total	20.02	20.74	-3.5%	19.75	20.63	21.08	21.17

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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) March 2024 and 2023
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
New England	W	W	W	--	--	W	W
Connecticut	W	--	W	--	--	W	--
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	W	W	W	--	--	W	W
Rhode Island	--	W	W	--	--	--	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	17.86	16.75	6.6%	18.30	15.58	17.58	18.35
New Jersey	--	--	--	--	--	--	--
New York	W	W	W	18.30	15.58	W	W
Pennsylvania	W	W	W	--	--	W	W
East North Central	19.39	21.70	-11.0%	19.13	21.29	19.81	22.95
Illinois	W	W	W	--	23.07	W	W
Indiana	19.30	22.44	-14.0%	19.30	22.44	--	--
Michigan	19.06	16.76	14.0%	19.06	16.76	--	--
Ohio	W	W	W	19.35	23.60	W	W
Wisconsin	17.96	21.28	-16.0%	17.96	21.28	--	--
West North Central	18.95	22.08	-14.0%	18.95	22.08	--	--
Iowa	19.49	21.93	-11.0%	19.49	21.93	--	--
Kansas	18.96	21.57	-12.0%	18.96	21.57	--	--
Minnesota	19.29	21.41	-9.9%	19.29	21.41	--	--
Missouri	18.47	22.60	-18.0%	18.47	22.60	--	--
Nebraska	17.15	22.30	-23.0%	17.15	22.30	--	--
North Dakota	20.09	20.80	-3.4%	20.09	20.80	--	--
South Dakota	18.04	23.14	-22.0%	18.04	23.14	--	--
South Atlantic	20.09	23.00	-13.0%	20.34	22.33	19.23	26.58
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	21.25	W	W	21.25	21.48	--	W
Georgia	21.72	25.13	-14.0%	21.72	25.13	--	--
Maryland	19.08	23.53	-19.0%	--	--	19.08	23.53
North Carolina	19.82	24.93	-20.0%	19.82	24.93	--	--
South Carolina	20.36	W	W	20.36	24.11	--	W
Virginia	W	W	W	20.45	17.53	W	W
West Virginia	19.87	W	W	19.87	23.78	--	W
East South Central	19.83	23.22	-15.0%	19.83	23.22	--	--
Alabama	19.78	23.58	-16.0%	19.78	23.58	--	--
Kentucky	20.21	24.01	-16.0%	20.21	24.01	--	--
Mississippi	19.52	23.27	-16.0%	19.52	23.27	--	--
Tennessee	18.48	22.81	-19.0%	18.48	22.81	--	--
West South Central	W	22.22	W	16.88	22.06	W	22.70
Arkansas	W	W	W	18.08	22.31	W	W
Louisiana	19.11	--	--	19.11	--	--	--
Oklahoma	20.30	21.88	-7.2%	20.30	21.88	--	--
Texas	W	W	W	16.23	21.89	W	W
Mountain	W	26.94	W	21.64	27.07	W	25.32
Arizona	23.01	27.73	-17.0%	23.01	27.73	--	--
Colorado	22.21	28.40	-22.0%	22.21	28.40	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	20.32	--	W	W
Nevada	W	W	W	25.90	30.57	W	W
New Mexico	--	--	--	--	--	--	--
Utah	W	W	W	21.09	26.89	W	W
Wyoming	21.29	26.01	-18.0%	21.29	26.01	--	--
Pacific Contiguous	W	W	W	24.28	25.90	W	W
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	W	W	W	24.28	25.90	W	W
Pacific Noncontiguous	W	W	W	19.23	21.43	W	W
Alaska	21.69	25.67	-16.0%	21.69	25.67	--	--
Hawaii	W	W	W	19.22	21.42	W	W
U.S. Total	19.43	21.11	-8.0%	19.30	21.63	19.92	19.61

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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, March 2024 and 2023
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	2.63	3.09	-15.0%	2.63	3.09	--	--
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	2.63	2.89	-9.0%	2.63	2.89	--	--
Ohio	--	--	--	--	--	--	--
Wisconsin	--	5.23	--	--	5.23	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	--	6.31	--	--	6.31	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	--	6.31	--	--	6.31	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	--	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	--	4.40	--	--	4.40	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	--	4.40	--	--	4.40	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--
Mountain	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.63	4.66	-44.0%	2.63	4.66	--	--

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

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

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

Table 4.12.B. Average Cost of Petroleum Coke Delivered for Electricity Generation by State, (Year-to-Date) March 2024 and 2023
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	2.64	3.04	-13.0%	2.64	3.04	--	--
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	2.64	2.90	-9.0%	2.64	2.90	--	--
Ohio	--	--	--	--	--	--	--
Wisconsin	2.36	5.27	-55.0%	2.36	5.27	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	--	6.12	--	--	6.12	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	--	6.12	--	--	6.12	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	--	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	--	4.75	--	--	4.75	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	--	4.75	--	--	4.75	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--
Mountain	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.64	4.66	-43.0%	2.64	4.66	--	--

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

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

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

Table 4.13.A. Average Cost of Natural Gas Delivered for Electricity Generation by State, March 2024 and 2023
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	March 2024	March 2023	Percentage Change	March 2024	March 2023	March 2024	March 2023
New England	3.65	W	W	--	--	3.65	W
Connecticut	W	4.32	W	--	--	W	4.32
Maine	--	--	--	--	--	--	--
Massachusetts	7.29	W	W	--	--	7.29	W
New Hampshire	W	W	W	--	--	W	W
Rhode Island	W	W	W	--	--	W	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	1.73	2.63	-34.0%	1.84	3.13	1.72	2.60
New Jersey	1.67	2.44	-32.0%	--	--	1.67	2.44
New York	2.31	3.64	-37.0%	1.84	3.13	2.48	3.85
Pennsylvania	1.49	2.32	-36.0%	--	--	1.49	2.32
East North Central	1.92	2.72	-29.0%	2.31	3.08	1.71	2.51
Illinois	W	W	W	1.57	2.72	W	W
Indiana	1.78	W	W	2.00	2.85	1.59	W
Michigan	1.92	2.74	-30.0%	2.37	3.00	1.69	2.62
Ohio	1.83	2.39	-23.0%	2.22	2.69	1.77	2.34
Wisconsin	W	W	W	2.64	3.57	W	W
West North Central	W	W	W	2.28	3.37	W	W
Iowa	1.87	2.68	-30.0%	1.87	2.68	--	--
Kansas	1.86	2.88	-35.0%	1.86	2.88	--	--
Minnesota	W	W	W	2.85	4.82	W	W
Missouri	W	W	W	2.18	2.60	W	W
Nebraska	8.35	3.53	137.0%	8.35	3.53	--	--
North Dakota	3.09	4.14	-25.0%	3.09	4.14	--	--
South Dakota	1.98	2.57	-23.0%	1.98	2.57	--	--
South Atlantic	2.92	3.83	-24.0%	3.08	4.02	1.75	2.65
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	2.91	3.89	W	W
Georgia	W	W	W	2.07	2.90	W	W
Maryland	W	W	W	2.84	2.73	W	W
North Carolina	W	W	W	5.61	5.64	W	W
South Carolina	2.89	3.84	-25.0%	2.89	3.84	--	--
Virginia	2.38	3.87	-39.0%	2.58	4.36	1.77	2.76
West Virginia	W	W	W	6.27	2.24	W	W
East South Central	1.98	2.87	-31.0%	1.99	2.96	1.91	2.58
Alabama	W	W	W	2.08	2.97	W	W
Kentucky	2.39	W	W	2.39	3.75	--	W
Mississippi	W	W	W	1.89	2.78	W	W
Tennessee	2.01	2.89	-30.0%	2.01	2.89	--	--
West South Central	1.67	2.63	-37.0%	1.84	2.95	1.52	2.38
Arkansas	W	W	W	1.68	2.43	W	W
Louisiana	W	W	W	1.87	2.76	W	W
Oklahoma	W	W	W	2.31	4.15	W	W
Texas	1.55	2.47	-37.0%	1.61	2.77	1.53	2.38
Mountain	2.05	4.26	-52.0%	2.07	4.19	1.82	4.94
Arizona	2.06	W	W	2.17	3.27	1.58	W
Colorado	W	W	W	2.03	3.87	W	W
Idaho	1.83	5.94	-69.0%	1.83	5.94	--	--
Montana	1.35	2.56	-47.0%	1.35	2.56	--	--
Nevada	2.44	5.51	-56.0%	2.44	5.51	--	--
New Mexico	0.74	2.29	-68.0%	0.74	2.29	--	--
Utah	2.45	5.82	-58.0%	2.45	5.82	--	--
Wyoming	W	W	W	2.22	4.62	W	W
Pacific Contiguous	W	6.30	W	3.04	6.41	W	6.17
California	W	W	W	3.39	7.62	W	W
Oregon	W	W	W	2.22	4.59	W	W
Washington	W	W	W	3.16	4.87	W	W
Pacific Noncontiguous	8.18	8.05	1.6%	8.18	8.05	--	--
Alaska	8.18	8.05	1.6%	8.18	8.05	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.21	3.40	-35.0%	2.49	3.76	1.84	2.94

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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) March 2024 and 2023
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	March 2024 YTD	March 2023 YTD	Percentage Change	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
New England	6.57	10.24	-36.0%	--	--	6.57	10.24
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	10.24	17.27	-41.0%	--	--	10.24	17.27
New Hampshire	W	W	W	--	--	W	W
Rhode Island	W	W	W	--	--	W	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.97	3.68	-19.0%	3.79	6.46	2.90	3.47
New Jersey	3.68	3.45	6.7%	--	--	3.68	3.45
New York	3.72	5.40	-31.0%	3.79	6.46	3.69	4.96
Pennsylvania	2.44	3.05	-20.0%	--	--	2.44	3.05
East North Central	2.76	3.24	-15.0%	3.06	4.05	2.61	2.82
Illinois	W	W	W	1.91	3.00	W	W
Indiana	2.89	3.49	-17.0%	3.38	3.95	2.47	3.10
Michigan	2.65	3.13	-15.0%	2.82	3.52	2.57	2.96
Ohio	2.49	2.73	-8.8%	2.93	3.25	2.43	2.64
Wisconsin	W	W	W	3.20	4.88	W	W
West North Central	W	W	W	3.15	4.31	W	W
Iowa	2.50	3.37	-26.0%	2.50	3.37	--	--
Kansas	3.24	4.55	-29.0%	3.24	4.55	--	--
Minnesota	W	W	W	3.25	5.98	W	W
Missouri	W	W	W	3.67	4.25	W	W
Nebraska	8.03	3.65	120.0%	8.03	3.65	--	--
North Dakota	3.08	4.46	-31.0%	3.08	4.46	--	--
South Dakota	2.67	3.02	-12.0%	2.67	3.02	--	--
South Atlantic	4.01	4.95	-19.0%	4.12	5.19	3.22	3.21
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.78	4.87	W	W
Georgia	W	W	W	3.39	3.53	W	W
Maryland	W	W	W	4.49	3.19	W	W
North Carolina	W	W	W	6.31	7.73	W	W
South Carolina	4.21	4.88	-14.0%	4.21	4.88	--	--
Virginia	3.38	4.74	-29.0%	3.74	5.45	2.26	2.91
West Virginia	W	W	W	6.52	5.76	W	W
East South Central	3.23	W	W	3.22	3.56	3.26	W
Alabama	W	3.29	W	3.02	3.87	W	2.98
Kentucky	W	W	W	4.61	4.58	W	W
Mississippi	W	W	W	3.06	3.17	W	W
Tennessee	2.96	3.81	-22.0%	2.96	3.81	--	--
West South Central	2.84	2.97	-4.4%	3.14	3.35	2.59	2.65
Arkansas	W	W	W	3.70	3.25	W	W
Louisiana	W	W	W	3.10	3.16	W	W
Oklahoma	W	W	W	3.64	4.17	W	W
Texas	2.62	2.78	-5.8%	2.72	3.15	2.58	2.66
Mountain	3.57	10.97	-67.0%	3.56	11.26	3.69	8.28
Arizona	W	W	W	3.35	8.64	W	W
Colorado	W	W	W	3.36	5.44	W	W
Idaho	3.93	13.13	-70.0%	3.93	13.13	--	--
Montana	2.54	2.66	-4.5%	2.54	2.66	--	--
Nevada	3.95	17.45	-77.0%	3.95	17.45	--	--
New Mexico	2.19	3.99	-45.0%	2.19	3.99	--	--
Utah	4.53	19.08	-76.0%	4.53	19.08	--	--
Wyoming	W	W	W	4.00	17.72	W	W
Pacific Contiguous	W	13.12	W	4.51	14.97	W	11.06
California	4.90	15.17	-68.0%	5.14	17.27	4.65	13.15
Oregon	W	W	W	3.16	11.96	W	W
Washington	W	W	W	4.25	11.71	W	W
Pacific Noncontiguous	8.24	7.54	9.3%	8.24	7.54	--	--
Alaska	8.24	7.54	9.3%	8.24	7.54	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	3.43	5.09	-33.0%	3.66	5.87	3.12	4.08

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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, March 2024

	Bituminous			Subbituminous			Lignite		
Census Division and State	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	6	0.97	4.8	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	6	0.97	4.8	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	84	2.68	8.0	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	84	2.68	8.0	0	--	--	0	--	--
East North Central	3,086	3.08	11.4	2,132	0.24	4.8	0	--	--
Illinois	762	3.16	22.0	771	0.23	4.7	0	--	--
Indiana	1,458	2.83	9.1	76	0.30	4.7	0	--	--
Michigan	141	2.35	8.0	680	0.24	4.9	0	--	--
Ohio	692	3.69	8.4	0	--	--	0	--	--
Wisconsin	33	2.39	8.0	605	0.24	4.8	0	--	--
West North Central	47	3.11	8.4	4,470	0.26	5.0	1,651	0.76	10.0
Iowa	15	3.30	8.1	970	0.25	4.8	0	--	--
Kansas	0	--	--	617	0.27	5.2	0	--	--
Minnesota	0	--	--	679	0.35	5.8	0	--	--
Missouri	32	3.03	8.5	1,322	0.22	4.7	0	--	--
Nebraska	0	--	--	805	0.24	5.0	0	--	--
North Dakota	0	--	--	0	--	--	1,651	0.76	10.0
South Dakota	0	--	--	77	0.30	5.2	0	--	--
South Atlantic	3,356	2.48	9.8	318	0.40	5.4	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	359	2.88	8.8	0	--	--	0	--	--
Georgia	350	2.55	9.1	318	0.40	5.4	0	--	--
Maryland	22	1.91	17.5	0	--	--	0	--	--
North Carolina	504	1.69	9.8	0	--	--	0	--	--
South Carolina	683	2.04	9.1	0	--	--	0	--	--
Virginia	29	1.31	8.7	0	--	--	0	--	--
West Virginia	1,409	2.88	10.5	0	--	--	0	--	--
East South Central	2,388	2.74	9.7	1,505	0.25	4.9	178	0.54	15.4
Alabama	130	1.15	12.1	814	0.29	5.0	0	--	--
Kentucky	1,943	2.96	9.7	556	0.20	4.7	0	--	--
Mississippi	25	0.47	12.2	48	0.21	4.5	178	0.54	15.4
Tennessee	291	2.13	8.3	88	0.20	5.4	0	--	--
West South Central	3	1.15	12.2	3,850	0.28	5.1	483	1.21	17.6
Arkansas	3	1.15	12.2	727	0.22	4.7	0	--	--
Louisiana	0	--	--	319	0.23	4.7	0	--	--
Oklahoma	0	--	--	254	0.24	4.9	0	--	--
Texas	0	--	--	2,551	0.31	5.2	483	1.21	17.6
Mountain	843	0.56	10.9	2,950	0.47	8.0	0	--	--
Arizona	0	--	--	499	0.36	7.2	0	--	--
Colorado	66	0.44	10.6	446	0.31	6.7	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	444	0.74	9.0	0	--	--
Nevada	54	0.38	7.0	95	0.42	4.4	0	--	--
New Mexico	0	--	--	288	0.80	18.9	0	--	--
Utah	723	0.58	11.2	49	0.24	5.1	0	--	--
Wyoming	0	--	--	1,128	0.40	6.1	0	--	--
Pacific Contiguous	46	0.39	7.3	122	0.41	8.7	0	--	--
California	46	0.39	7.3	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	122	0.41	8.7	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	22	0.13	6.5
Alaska	0	--	--	0	--	--	22	0.13	6.5
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	9,859	2.56	10.3	15,347	0.30	5.6	2,334	0.83	11.9

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

Notes:
Bituminous coal includes anthracite coal and coal-derived synthesis gas.
See Glossary for definitions. Values for 2023 and 2024 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, March 2024

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	1,804	2.78	9.0	1,442	0.24	4.9	0	--	--
Illinois	76	2.71	11.4	80	0.21	5.1	0	--	--
Indiana	1,343	2.75	9.2	76	0.30	4.7	0	--	--
Michigan	141	2.35	8.0	680	0.24	4.9	0	--	--
Ohio	212	3.33	8.6	0	--	--	0	--	--
Wisconsin	33	2.39	8.0	605	0.24	4.8	0	--	--
West North Central	32	3.03	8.5	4,264	0.26	5.0	1,651	0.76	10.0
Iowa	0	--	--	796	0.26	4.8	0	--	--
Kansas	0	--	--	617	0.27	5.2	0	--	--
Minnesota	0	--	--	679	0.35	5.8	0	--	--
Missouri	32	3.03	8.5	1,322	0.22	4.7	0	--	--
Nebraska	0	--	--	774	0.24	5.0	0	--	--
North Dakota	0	--	--	0	--	--	1,651	0.76	10.0
South Dakota	0	--	--	77	0.30	5.2	0	--	--
South Atlantic	3,113	2.48	10.0	318	0.40	5.4	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	359	2.88	8.8	0	--	--	0	--	--
Georgia	338	2.61	9.1	318	0.40	5.4	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	504	1.69	9.8	0	--	--	0	--	--
South Carolina	683	2.04	9.1	0	--	--	0	--	--
Virginia	12	1.19	11.0	0	--	--	0	--	--
West Virginia	1,217	2.91	11.0	0	--	--	0	--	--
East South Central	2,282	2.83	9.8	1,505	0.25	4.9	0	--	--
Alabama	130	1.15	12.1	814	0.29	5.0	0	--	--
Kentucky	1,943	2.96	9.7	556	0.20	4.7	0	--	--
Mississippi	25	0.47	12.2	48	0.21	4.5	0	--	--
Tennessee	184	2.86	8.9	88	0.20	5.4	0	--	--
West South Central	0	--	--	1,977	0.26	4.9	109	2.22	27.0
Arkansas	0	--	--	645	0.22	4.7	0	--	--
Louisiana	0	--	--	161	0.21	4.7	0	--	--
Oklahoma	0	--	--	254	0.24	4.9	0	--	--
Texas	0	--	--	917	0.30	5.0	109	2.22	27.0
Mountain	843	0.56	10.9	2,406	0.42	7.9	0	--	--
Arizona	0	--	--	499	0.36	7.2	0	--	--
Colorado	66	0.44	10.6	446	0.31	6.7	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	54	0.38	7.0	42	0.55	3.6	0	--	--
New Mexico	0	--	--	288	0.80	18.9	0	--	--
Utah	723	0.58	11.2	49	0.24	5.1	0	--	--
Wyoming	0	--	--	1,081	0.39	6.1	0	--	--
Pacific Contiguous	0	--	--	0	--	--	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	22	0.13	6.5
Alaska	0	--	--	0	--	--	22	0.13	6.5
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	8,075	2.46	9.8	11,912	0.29	5.6	1,783	0.83	10.8

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Notes:
Bituminous coal includes anthracite coal and coal-derived synthesis gas.
See Glossary for definitions. Values for 2023 and 2024 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, March 2024

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	6	0.97	4.8	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	6	0.97	4.8	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	75	2.75	8.0	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	75	2.75	8.0	0	--	--	0	--	--
East North Central	1,221	3.55	15.5	637	0.23	4.6	0	--	--
Illinois	626	3.20	25.1	637	0.23	4.6	0	--	--
Indiana	115	3.66	8.6	0	--	--	0	--	--
Michigan	0	--	--	0	--	--	0	--	--
Ohio	480	3.84	8.3	0	--	--	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	0	--	--	0	--	--	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	0	--	--	0	--	--	0	--	--
Nebraska	0	--	--	0	--	--	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	215	2.60	8.2	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	22	1.91	17.5	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	0	--	--	0	--	--	0	--	--
West Virginia	192	2.67	7.2	0	--	--	0	--	--
East South Central	0	--	--	0	--	--	178	0.54	15.4
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	178	0.54	15.4
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	0	--	--	1,874	0.31	5.3	374	0.96	15.3
Arkansas	0	--	--	81	0.23	4.7	0	--	--
Louisiana	0	--	--	159	0.25	4.6	0	--	--
Oklahoma	0	--	--	0	--	--	0	--	--
Texas	0	--	--	1,634	0.32	5.4	374	0.96	15.3
Mountain	0	--	--	543	0.68	8.4	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	444	0.74	9.0	0	--	--
Nevada	0	--	--	53	0.31	5.2	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	47	0.49	6.9	0	--	--
Pacific Contiguous	0	--	--	122	0.41	8.7	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	122	0.41	8.7	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	1,517	3.34	13.9	3,176	0.36	5.8	552	0.85	15.4

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Notes:
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See Glossary for definitions. Values for 2023 and 2024 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, March 2024

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	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	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	0	--	--	0	--	--	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 2023 and 2024 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, March 2024

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	9	2.13	7.6	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	9	2.13	7.6	0	--	--	0	--	--
East North Central	60	3.40	8.0	54	0.26	5.0	0	--	--
Illinois	60	3.40	8.0	54	0.26	5.0	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	0	--	--	0	--	--	0	--	--
Ohio	0	--	--	0	--	--	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	15	3.30	8.1	206	0.20	4.9	0	--	--
Iowa	15	3.30	8.1	174	0.20	4.9	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	0	--	--	0	--	--	0	--	--
Nebraska	0	--	--	32	0.20	5.0	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	28	1.15	7.3	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	11	0.78	7.5	0	--	--	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	17	1.40	7.1	0	--	--	0	--	--
West Virginia	0	--	--	0	--	--	0	--	--
East South Central	107	0.97	7.4	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	107	0.97	7.4	0	--	--	0	--	--
West South Central	3	1.15	12.2	0	--	--	0	--	--
Arkansas	3	1.15	12.2	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	46	0.39	7.3	0	--	--	0	--	--
California	46	0.39	7.3	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	268	1.55	7.6	260	0.21	4.9	0	--	--

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Notes:
Bituminous coal includes anthracite coal and coal-derived synthesis gas.
See Glossary for definitions. Values for 2023 and 2024 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, 2014 - March 2024 (Thousand Megawatthours)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	1,470,487	1,328,439	1,000,613	6,334	3,805,874
2022	1,509,233	1,390,873	1,020,464	6,599	3,927,169
2023	1,454,667	1,374,922	1,024,949	6,804	3,861,342
Year 2022					
January	140,504	113,605	83,982	565	338,656
February	125,342	103,063	76,893	566	305,863
March	111,439	108,603	83,679	579	304,300
April	97,432	104,566	82,422	513	284,933
May	110,071	113,007	86,090	529	309,697
June	136,310	121,567	88,716	513	347,106
July	164,277	133,952	90,420	566	389,214
August	160,271	135,676	93,143	536	389,626
Sept	129,241	124,195	86,550	558	340,544
October	99,792	111,851	85,017	535	297,196
November	103,152	106,858	81,701	546	292,258
December	131,402	113,929	81,852	593	327,776
Year 2023					
January	132,059	110,493	78,965	569	322,084
February	112,543	101,434	76,054	550	290,582
March	110,792	110,071	84,426	567	305,856
April	96,542	101,556	81,765	511	280,373
May	100,479	110,404	86,394	518	297,795
June	121,568	117,727	88,009	568	327,872
July	160,085	133,161	92,565	621	386,432
August	162,031	135,067	94,226	577	391,900
Sept	133,320	123,663	88,495	650	346,129
October	103,767	115,379	88,164	565	307,874
November	102,428	107,051	83,460	549	293,487
December	119,052	108,918	82,427	562	310,959
Year 2024					
January	142,839	114,843	82,723	606	341,010
February	117,716	106,394	77,915	518	302,543
March	103,974	108,266	82,428	611	295,280
Year to Date					
2022	377,285	325,271	244,554	1,710	948,819
2023	355,394	321,998	239,445	1,686	918,522
2024	364,529	329,503	243,067	1,734	938,833
Rolling 12 Months Ending in March					
2023	1,487,342	1,387,600	1,015,355	6,575	3,896,872
2024	1,463,802	1,382,427	1,028,571	6,853	3,881,653

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 2022 and prior years are final. Values for 2024 and 2023 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, 2014 - March 2024 (Million Dollars)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	200,834	149,008	71,835	646	422,323
2022	226,990	172,600	84,895	765	485,249
2023	232,463	175,231	82,566	864	491,124
Year 2022					
January	19,163	12,794	6,037	60	38,053
February	17,247	12,019	5,601	62	34,929
March	16,062	12,647	6,164	63	34,936
April	14,194	12,355	6,343	58	32,950
May	16,394	13,561	7,099	57	37,112
June	20,850	15,506	7,854	62	44,272
July	25,155	17,435	8,422	70	51,082
August	25,354	18,199	8,739	69	52,361
Sept	20,930	16,492	7,841	70	45,333
October	15,961	14,418	7,184	63	37,627
November	16,041	13,179	6,654	63	35,937
December	19,637	13,996	6,955	68	40,656
Year 2023					
January	20,434	14,088	6,572	70	41,164
February	17,983	12,878	6,158	71	37,090
March	17,627	13,734	6,576	69	38,006
April	15,545	12,400	6,132	61	34,138
May	16,225	13,605	6,587	64	36,481
June	19,582	15,035	7,113	70	41,800
July	25,431	17,403	7,705	79	50,618
August	25,806	17,889	8,361	76	52,132
Sept	21,717	16,362	7,468	93	45,640
October	16,808	14,833	7,058	72	38,771
November	16,579	13,511	6,522	69	36,681
December	18,726	13,494	6,314	69	38,603
Year 2024					
January	22,070	14,567	6,700	77	43,414
February	18,951	13,631	6,084	68	38,735
March	17,347	13,810	6,373	73	37,602
Year to Date					
2022	52,472	37,460	17,802	184	107,919
2023	56,044	40,700	19,305	211	116,260
2024	58,368	42,008	19,156	218	119,750
Rolling 12 Months Ending in March					
2023	230,562	175,840	86,398	792	493,591
2024	234,786	176,540	82,417	871	494,613

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 2022 and prior years are final. Values for 2024 and 2023 are preliminary estimates based on a cutoff model sample. See Technical Notes for a discussion of the sample design for the Form EIA-826. Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule. Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications. Sales and net generation may not correspond exactly for a particular month for a variety of reasons (i.e., sales data may include purchases of electricity from nonutilities or imported electricity). Net generation is for the calendar month while sales and associated revenue accumulate from bills collected for periods of time (28 to 35 days) that vary dependent upon customer class and consumption occurring in and outside the calendar month.
Sources: U.S. Energy Information Administration, Form EIA-861M (formerly EIA-826), Monthly Electric Industry Power Report.
Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).

Table 5.3. Average Price of Electricity to Ultimate Customers: Total by End-Use Sector, 2014 - March 2024 (Cents per Kilowatthour)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	13.66	11.22	7.18	10.20	11.10
2022	15.04	12.41	8.32	11.59	12.36
2023	15.98	12.74	8.06	12.70	12.72
Year 2022					
January	13.64	11.26	7.19	10.54	11.24
February	13.76	11.66	7.28	10.95	11.42
March	14.41	11.65	7.37	10.87	11.48
April	14.57	11.82	7.70	11.26	11.56
May	14.89	12.00	8.25	10.79	11.98
June	15.30	12.75	8.85	12.10	12.75
July	15.31	13.02	9.31	12.39	13.12
August	15.82	13.41	9.38	12.90	13.44
Sept	16.19	13.28	9.06	12.57	13.31
October	15.99	12.89	8.45	11.81	12.66
November	15.55	12.33	8.14	11.56	12.30
December	14.94	12.28	8.50	11.48	12.40
Year 2023					
January	15.47	12.75	8.32	12.36	12.78
February	15.98	12.70	8.10	12.99	12.76
March	15.91	12.48	7.79	12.18	12.43
April	16.10	12.21	7.50	11.96	12.18
May	16.15	12.32	7.62	12.36	12.25
June	16.11	12.77	8.08	12.36	12.75
July	15.89	13.07	8.32	12.69	13.10
August	15.93	13.24	8.87	13.18	13.30
Sept	16.29	13.23	8.44	14.27	13.19
October	16.20	12.86	8.01	12.77	12.59
November	16.19	12.62	7.81	12.56	12.50
December	15.73	12.39	7.66	12.33	12.41
Year 2024					
January	15.45	12.68	8.10	12.68	12.73
February	16.10	12.81	7.81	13.20	12.80
March	16.68	12.76	7.73	11.91	12.73
Year to Date					
2022	13.91	11.52	7.28	10.79	11.37
2023	15.77	12.64	8.06	12.51	12.66
2024	16.01	12.75	7.88	12.56	12.76
Rolling 12 Months Ending in March					
2023	15.50	12.67	8.51	12.04	12.67
2024	16.04	12.77	8.01	12.71	12.74

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 2022 and prior years are final. Values for 2024 and 2023 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, March 2024 and 2023 (Thousand Megawatthours)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	3,911	3,855	3,976	3,991	1,144	1,214	39	42	9,071	9,102
Connecticut	983	994	885	924	204	200	12	15	2,084	2,134
Maine	459	459	336	358	173	200	0	0	969	1,017
Massachusetts	1,667	1,582	1,973	1,922	453	499	25	25	4,118	4,028
New Hampshire	383	396	321	332	158	154	0	0	862	882
Rhode Island	230	236	302	291	50	54	2	2	585	583
Vermont	188	190	159	162	107	107	0	0	454	459
Middle Atlantic	11,145	10,577	11,914	11,793	6,118	5,760	321	291	29,499	28,421
New Jersey	1,826	2,049	3,037	3,080	532	565	52	20	5,446	5,714
New York	3,776	3,983	5,658	5,779	1,288	1,189	220	226	10,942	11,177
Pennsylvania	5,544	4,545	3,219	2,934	4,299	4,006	49	45	13,110	11,530
East North Central	13,616	14,890	14,225	14,417	15,894	15,594	57	40	43,793	44,941
Illinois	3,077	3,336	3,718	3,779	3,645	3,445	52	34	10,493	10,594
Indiana	2,400	2,569	1,818	1,873	3,577	3,458	1	3	7,796	7,903
Michigan	2,572	2,725	2,952	2,970	2,368	2,451	1	0	7,893	8,147
Ohio	3,818	4,356	3,843	3,867	4,404	4,279	3	3	12,068	12,505
Wisconsin	1,748	1,905	1,894	1,927	1,901	1,960	0	0	5,544	5,792
West North Central	8,038	9,129	8,323	8,407	8,494	8,260	4	3	24,859	25,800
Iowa	1,149	1,321	993	1,046	2,240	2,262	0	0	4,382	4,629
Kansas	857	944	1,190	1,211	944	909	0	0	2,991	3,064
Minnesota	1,867	2,100	1,823	1,880	1,696	1,680	2	2	5,388	5,661
Missouri	2,451	2,740	2,203	2,260	1,057	1,050	2	2	5,714	6,051
Nebraska	788	949	760	773	1,144	979	0	0	2,692	2,701
North Dakota	481	555	950	821	1,149	1,134	0	0	2,579	2,510
South Dakota	446	520	402	416	265	248	0	0	1,113	1,183
South Atlantic	25,996	27,570	26,142	26,641	11,577	11,883	101	88	63,816	66,182
Delaware	444	426	352	347	145	158	0	0	941	931
District of Columbia	177	177	596	541	16	14	24	20	813	752
Florida	8,964	9,530	7,502	7,722	1,454	1,414	5	6	17,925	18,672
Georgia	3,955	4,128	3,671	3,724	2,744	2,752	12	11	10,383	10,615
Maryland	2,075	2,200	2,114	2,174	276	285	35	33	4,499	4,692
North Carolina	4,085	4,498	3,765	3,937	2,163	2,399	1	1	10,014	10,835
South Carolina	2,053	2,164	1,946	1,923	2,100	2,026	0	0	6,099	6,114
Virginia	3,379	3,488	5,591	5,653	1,456	1,525	24	17	10,449	10,683
West Virginia	865	958	604	620	1,225	1,310	0	0	2,694	2,888
East South Central	8,229	8,399	6,765	6,808	7,939	7,914	0	0	22,933	23,121
Alabama	2,063	2,188	1,660	1,705	2,577	2,643	0	0	6,300	6,537
Kentucky	1,917	1,976	1,475	1,484	2,203	2,152	0	0	5,595	5,613
Mississippi	1,181	1,241	1,036	1,063	1,296	1,281	0	0	3,513	3,585
Tennessee	3,068	2,994	2,595	2,555	1,863	1,838	0	0	7,526	7,387
West South Central	13,922	15,258	15,774	15,939	17,707	20,320	2	14	47,404	51,531
Arkansas	1,205	1,293	854	851	1,589	1,435	0	0	3,648	3,579
Louisiana	1,826	1,998	1,701	1,767	3,066	3,201	1	1	6,593	6,967
Oklahoma	1,499	1,624	1,762	1,692	1,880	1,876	0	0	5,141	5,192
Texas	9,392	10,343	11,458	11,629	11,172	13,808	1	13	32,022	35,793
Mountain	7,371	7,990	8,134	8,015	7,098	6,737	13	14	22,617	22,756
Arizona	2,137	2,234	2,385	2,218	1,161	1,186	1	1	5,684	5,639
Colorado	1,544	1,660	1,708	1,731	1,298	1,243	8	8	4,557	4,642
Idaho	833	926	551	568	590	590	0	0	1,974	2,084
Montana	522	600	425	444	374	356	0	0	1,320	1,399
Nevada	769	848	935	945	996	941	1	1	2,701	2,734
New Mexico	481	533	730	730	1,096	963	0	0	2,307	2,226
Utah	806	872	1,051	1,054	711	637	4	5	2,573	2,567
Wyoming	279	318	349	326	872	821	0	0	1,501	1,464
Pacific Contiguous	11,360	12,712	12,566	13,609	6,064	6,349	74	74	30,063	32,746
California	5,918	6,559	8,700	9,565	2,975	3,218	64	61	17,658	19,403
Oregon	1,776	2,044	1,412	1,452	1,355	1,328	2	2	4,545	4,826
Washington	3,665	4,109	2,453	2,592	1,734	1,804	8	11	7,860	8,516
Pacific Noncontiguous	386	412	447	450	392	394	0	0	1,226	1,256
Alaska	191	196	227	228	120	120	0	0	538	544
Hawaii	195	216	220	222	273	274	0	0	688	712
U.S. Total	103,974	110,792	108,266	110,071	82,428	84,426	611	567	295,280	305,856

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 March 2024 and 2023 (Thousand Megawatthours)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
New England	12,669	12,230	12,250	11,884	3,479	3,664	128	126	28,527	27,904
Connecticut	3,311	3,161	2,760	2,676	602	604	45	45	6,717	6,485
Maine	1,409	1,435	1,043	1,063	525	633	0	0	2,976	3,130
Massachusetts	5,315	5,048	6,062	5,833	1,393	1,477	77	76	12,846	12,432
New Hampshire	1,248	1,245	1,010	1,007	478	462	0	0	2,737	2,714
Rhode Island	767	739	892	834	154	158	6	6	1,819	1,736
Vermont	620	603	483	472	328	331	0	0	1,431	1,406
Middle Atlantic	36,155	33,273	35,876	35,016	17,341	17,277	913	850	90,284	86,415
New Jersey	6,536	6,375	8,904	8,725	1,553	1,529	94	59	17,087	16,688
New York	12,411	12,527	17,244	17,449	3,783	3,545	676	667	34,115	34,189
Pennsylvania	17,208	14,370	9,727	8,842	12,005	12,202	143	123	39,083	35,538
East North Central	47,077	46,529	43,307	42,364	45,893	44,812	121	138	136,398	133,843
Illinois	10,787	10,649	11,292	11,308	10,506	10,078	106	122	32,691	32,157
Indiana	8,752	8,373	5,540	5,492	10,122	9,998	4	4	24,418	23,867
Michigan	8,267	8,315	8,978	8,819	6,962	6,873	2	1	24,209	24,009
Ohio	13,566	13,308	11,786	11,053	12,658	12,204	10	10	38,019	36,574
Wisconsin	5,706	5,886	5,711	5,691	5,645	5,660	0	0	17,063	17,237
West North Central	28,814	29,400	25,514	25,270	25,063	24,060	12	11	79,403	78,741
Iowa	3,981	4,204	3,056	3,139	6,661	6,616	0	0	13,698	13,959
Kansas	3,260	3,168	3,703	3,699	2,713	2,750	0	0	9,676	9,616
Minnesota	6,159	6,487	5,505	5,581	4,970	4,846	5	6	16,639	16,919
Missouri	9,443	9,174	7,016	6,908	3,144	3,055	7	5	19,610	19,143
Nebraska	2,886	3,056	2,373	2,352	3,220	2,881	0	0	8,480	8,289
North Dakota	1,569	1,690	2,606	2,335	3,566	3,184	0	0	7,741	7,209
South Dakota	1,515	1,622	1,254	1,256	789	728	0	0	3,558	3,606
South Atlantic	91,588	87,167	78,625	75,380	33,607	33,550	313	269	204,132	196,366
Delaware	1,393	1,323	1,001	984	445	450	0	0	2,838	2,758
District of Columbia	603	589	1,736	1,672	47	41	74	63	2,460	2,365
Florida	27,922	28,263	21,626	21,571	4,205	4,089	17	17	53,769	53,940
Georgia	14,946	13,698	11,327	10,832	8,022	7,868	39	37	34,333	32,435
Maryland	7,348	6,922	6,594	6,445	805	812	111	101	14,858	14,280
North Carolina	15,824	14,543	11,644	11,094	6,170	6,295	3	3	33,641	31,935
South Carolina	7,911	7,206	5,936	5,569	6,010	6,117	0	0	19,857	18,892
Virginia	12,469	11,591	16,918	15,442	4,245	4,257	70	48	33,702	31,339
West Virginia	3,174	3,031	1,842	1,771	3,658	3,620	0	0	8,674	8,422
East South Central	32,033	29,268	21,453	20,647	23,425	23,188	0	0	76,911	73,104
Alabama	8,148	7,361	5,239	5,054	7,677	7,573	0	0	21,064	19,987
Kentucky	7,228	6,612	4,630	4,392	6,510	6,385	0	0	18,369	17,389
Mississippi	4,689	4,355	3,374	3,180	3,831	3,843	0	0	11,893	11,378
Tennessee	11,967	10,941	8,210	8,021	5,407	5,387	0	0	25,585	24,349
West South Central	52,727	51,551	48,172	47,510	54,020	53,592	5	44	154,924	152,696
Arkansas	4,985	4,705	2,690	2,636	4,660	4,379	0	0	12,335	11,720
Louisiana	7,019	6,773	5,274	5,284	9,567	9,787	2	2	21,862	21,846
Oklahoma	5,555	5,543	5,202	4,909	5,449	5,444	0	0	16,205	15,896
Texas	35,169	34,530	35,006	34,681	34,344	33,981	3	41	104,521	103,234
Mountain	24,423	25,265	24,606	23,755	20,853	19,847	41	41	69,923	68,909
Arizona	7,068	7,285	7,209	6,669	3,404	3,333	2	2	17,684	17,289
Colorado	4,997	5,072	5,110	5,043	3,725	3,644	24	24	13,855	13,782
Idaho	2,797	2,935	1,730	1,713	1,719	1,723	0	0	6,246	6,370
Montana	1,810	1,846	1,326	1,324	1,187	1,085	0	0	4,323	4,256
Nevada	2,511	2,695	2,801	2,775	2,951	2,796	2	2	8,265	8,267
New Mexico	1,697	1,761	2,168	2,106	3,154	2,829	0	0	7,019	6,697
Utah	2,599	2,684	3,248	3,162	2,073	1,994	13	14	7,932	7,853
Wyoming	944	987	1,014	963	2,640	2,444	0	0	4,599	4,394
Pacific Contiguous	37,795	39,462	38,369	38,850	18,230	18,312	201	207	94,595	96,831
California	19,781	20,752	26,412	26,920	9,053	9,309	173	172	55,419	57,152
Oregon	5,869	6,244	4,305	4,279	3,999	3,839	6	6	14,179	14,367
Washington	12,146	12,466	7,652	7,651	5,177	5,165	22	29	24,997	25,312
Pacific Noncontiguous	1,248	1,248	1,331	1,322	1,157	1,144	0	0	3,736	3,713
Alaska	630	604	693	679	356	346	0	0	1,679	1,629
Hawaii	618	643	639	643	801	798	0	0	2,058	2,084
U.S. Total	364,529	355,394	329,503	321,998	243,067	239,445	1,734	1,686	938,833	918,522

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

Table 5.5.A. Revenue from Sales of Electricity to Ultimate Customers by End-Use Sector, by State, March 2024 and 2023 (Million Dollars)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	1,080	1,200	801	802	185	194	5	6	2,070	2,202
Connecticut	286	328	180	191	32	31	2	4	501	554
Maine	102	135	62	66	23	25	0	0	187	226
Massachusetts	495	512	410	392	81	90	2	2	988	996
New Hampshire	86	120	62	74	26	25	0	0	174	219
Rhode Island	70	66	58	50	9	10	0	0	137	126
Vermont	41	39	30	29	12	12	0	0	83	80
Middle Atlantic	2,197	2,019	1,786	1,717	496	451	42	40	4,521	4,228
New Jersey	329	351	427	419	64	63	5	2	825	836
New York	893	844	988	970	103	81	32	33	2,016	1,929
Pennsylvania	975	824	371	327	329	307	5	4	1,680	1,462
East North Central	2,243	2,446	1,727	1,726	1,239	1,271	3	3	5,213	5,445
Illinois	496	582	412	440	299	292	3	2	1,210	1,316
Indiana	349	411	234	256	286	313	0	0	869	982
Michigan	481	492	407	387	190	199	0	0	1,078	1,078
Ohio	622	649	435	401	314	306	0	0	1,371	1,356
Wisconsin	297	311	238	241	151	161	0	0	686	713
West North Central	1,048	1,110	842	845	623	609	0	0	2,514	2,565
Iowa	148	157	95	96	135	131	0	0	377	384
Kansas	122	132	133	139	74	78	0	0	329	349
Minnesota	274	289	216	226	152	153	0	0	642	667
Missouri	308	319	215	214	80	80	0	0	604	613
Nebraska	91	100	71	69	78	69	0	0	241	238
North Dakota	50	54	70	62	82	79	0	0	203	195
South Dakota	55	59	42	40	22	19	0	0	119	118
South Atlantic	3,906	3,942	2,871	2,926	854	878	10	9	7,642	7,755
Delaware	74	65	42	41	12	13	0	0	128	119
District of Columbia	31	28	101	90	2	2	2	2	137	121
Florida	1,317	1,398	863	921	127	141	1	1	2,307	2,461
Georgia	537	559	408	416	161	169	1	1	1,106	1,146
Maryland	375	349	267	273	28	27	4	3	674	652
North Carolina	637	583	406	377	170	166	0	0	1,214	1,125
South Carolina	305	308	206	204	136	131	0	0	647	643
Virginia	497	514	507	535	124	138	2	2	1,131	1,189
West Virginia	132	137	71	69	94	92	0	0	297	298
East South Central	1,149	1,107	863	835	542	527	0	0	2,554	2,469
Alabama	327	320	230	223	185	177	0	0	743	720
Kentucky	249	240	176	168	146	141	0	0	572	548
Mississippi	168	174	129	139	90	93	0	0	387	406
Tennessee	404	373	327	304	122	117	0	0	853	794
West South Central	1,960	2,082	1,427	1,458	1,028	1,258	0	1	4,415	4,799
Arkansas	155	158	91	89	99	96	0	0	345	342
Louisiana	226	237	194	195	195	204	0	0	616	636
Oklahoma	177	194	136	147	95	114	0	0	408	455
Texas	1,401	1,494	1,005	1,027	639	844	0	1	3,046	3,366
Mountain	1,022	1,044	867	835	512	501	1	1	2,403	2,381
Arizona	319	304	281	243	83	83	0	0	684	631
Colorado	226	229	189	191	109	105	1	1	525	526
Idaho	92	93	50	47	39	35	0	0	181	176
Montana	64	73	49	53	26	30	0	0	140	156
Nevada	129	145	102	107	79	88	0	0	310	340
New Mexico	70	71	76	75	64	58	0	0	210	204
Utah	89	95	87	88	46	45	1	1	222	228
Wyoming	33	34	33	30	66	56	0	0	132	120
Pacific Contiguous	2,606	2,536	2,487	2,451	769	760	11	9	5,873	5,755
California	1,922	1,844	2,062	2,036	564	550	10	7	4,557	4,438
Oregon	254	249	165	149	98	94	0	0	517	492
Washington	429	443	261	265	108	115	1	1	799	825
Pacific Noncontiguous	136	141	138	140	123	127	0	0	397	408
Alaska	47	46	48	47	26	23	0	0	121	115
Hawaii	88	95	90	93	98	104	0	0	276	292
U.S. Total	17,347	17,627	13,810	13,734	6,373	6,576	73	69	37,602	38,006

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
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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.

Table 5.5.B. Revenue from Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through March 2024 and 2023 (Million Dollars)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
New England	3,500	3,749	2,521	2,443	577	595	17	19	6,614	6,805
Connecticut	946	1,025	569	564	99	97	8	12	1,622	1,697
Maine	343	381	197	184	76	78	0	0	616	643
Massachusetts	1,544	1,622	1,283	1,231	253	273	7	6	3,088	3,131
New Hampshire	297	387	201	229	80	78	0	0	579	693
Rhode Island	237	212	182	153	30	32	1	1	450	398
Vermont	132	122	89	83	38	39	0	0	260	243
Middle Atlantic	7,099	6,554	5,415	5,204	1,419	1,418	123	122	14,057	13,297
New Jersey	1,168	1,084	1,218	1,183	184	180	10	8	2,580	2,456
New York	2,950	2,862	3,110	2,986	288	253	99	101	6,447	6,201
Pennsylvania	2,982	2,607	1,087	1,035	948	984	14	13	5,030	4,639
East North Central	7,542	7,507	5,227	5,087	3,675	3,724	10	10	16,453	16,328
Illinois	1,673	1,793	1,283	1,309	913	862	8	9	3,878	3,973
Indiana	1,233	1,325	699	758	821	928	0	1	2,753	3,012
Michigan	1,531	1,493	1,234	1,155	568	562	0	0	3,333	3,210
Ohio	2,149	1,943	1,296	1,160	905	907	1	0	4,350	4,010
Wisconsin	956	953	715	704	468	465	0	0	2,139	2,123
West North Central	3,539	3,484	2,533	2,514	1,860	1,790	1	1	7,933	7,789
Iowa	487	487	293	291	412	396	0	0	1,192	1,174
Kansas	442	437	403	425	216	242	0	0	1,061	1,105
Minnesota	883	870	642	646	448	432	1	1	1,974	1,949
Missouri	1,082	1,034	651	636	233	233	1	0	1,967	1,904
Nebraska	306	306	218	205	232	204	0	0	755	715
North Dakota	161	167	200	188	254	223	0	0	615	578
South Dakota	177	184	126	123	64	57	0	0	368	364
South Atlantic	13,294	12,470	8,779	8,530	2,567	2,590	32	28	24,672	23,617
Delaware	222	197	120	118	37	40	0	0	379	354
District of Columbia	104	91	299	277	5	4	7	7	415	379
Florida	4,163	4,276	2,557	2,618	381	418	2	2	7,103	7,314
Georgia	1,922	1,822	1,290	1,240	528	531	3	3	3,742	3,595
Maryland	1,300	1,108	850	889	83	82	13	11	2,246	2,090
North Carolina	2,274	1,874	1,255	1,088	489	453	0	0	4,018	3,415
South Carolina	1,116	1,025	634	603	406	417	0	0	2,156	2,045
Virginia	1,743	1,665	1,563	1,500	364	388	7	6	3,677	3,559
West Virginia	451	412	210	197	275	257	0	0	935	866
East South Central	4,220	3,855	2,670	2,596	1,584	1,618	0	0	8,474	8,069
Alabama	1,219	1,085	718	678	539	521	0	0	2,476	2,285
Kentucky	906	823	549	523	436	450	0	0	1,891	1,796
Mississippi	622	593	405	419	263	288	0	0	1,290	1,299
Tennessee	1,473	1,354	997	975	347	359	0	0	2,817	2,689
West South Central	7,103	6,994	4,365	4,443	3,260	3,517	0	3	14,728	14,957
Arkansas	591	556	282	275	305	300	0	0	1,178	1,131
Louisiana	798	826	555	613	569	680	0	0	1,922	2,120
Oklahoma	632	634	441	438	306	341	0	0	1,380	1,414
Texas	5,082	4,978	3,087	3,117	2,080	2,196	0	3	10,249	10,293
Mountain	3,318	3,274	2,602	2,458	1,560	1,518	4	5	7,485	7,254
Arizona	1,023	953	834	713	261	256	0	0	2,119	1,921
Colorado	722	715	561	562	315	304	2	2	1,600	1,584
Idaho	308	303	155	141	117	104	0	0	580	548
Montana	218	214	153	151	107	98	0	0	478	463
Nevada	417	457	310	321	240	275	0	0	967	1,054
New Mexico	239	240	227	223	179	171	0	0	645	635
Utah	284	289	264	258	148	143	2	2	698	691
Wyoming	107	103	97	88	194	168	0	0	398	358
Pacific Contiguous	8,329	7,736	7,487	7,014	2,292	2,162	31	24	18,138	16,935
California	6,119	5,651	6,180	5,797	1,659	1,547	28	20	13,985	13,014
Oregon	828	757	494	440	300	283	1	1	1,623	1,480
Washington	1,382	1,328	813	777	333	333	2	3	2,530	2,441
Pacific Noncontiguous	425	422	411	411	362	375	0	0	1,197	1,208
Alaska	150	136	147	137	68	65	0	0	365	339
Hawaii	275	286	264	274	293	310	0	0	832	869
U.S. Total	58,368	56,044	42,008	40,700	19,156	19,305	218	211	119,750	116,260

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

Table 5.6.A. Average Price of Electricity to Ultimate Customers by End-Use Sector, by State, March 2024 and 2023 (Cents per Kilowatthour)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	27.60	31.12	20.16	20.10	16.15	15.99	12.01	13.68	22.83	24.19
Connecticut	29.12	33.02	20.40	20.65	15.79	15.62	15.86	23.78	24.03	25.96
Maine	22.25	29.39	18.34	18.35	13.55	12.71	--	--	19.33	22.22
Massachusetts	29.66	32.39	20.78	20.42	17.97	17.96	9.40	7.27	24.00	24.73
New Hampshire	22.43	30.31	19.21	22.29	16.45	16.44	--	--	20.14	24.86
Rhode Island	30.26	27.93	19.07	17.12	18.75	18.95	20.46	16.10	23.46	21.66
Vermont	21.72	20.38	18.87	17.86	11.70	11.46	--	--	18.37	17.41
Middle Atlantic	19.72	19.09	14.99	14.56	8.10	7.84	13.07	13.71	15.33	14.88
New Jersey	18.04	17.13	14.05	13.62	12.01	11.23	10.56	12.01	15.15	14.64
New York	23.64	21.20	17.46	16.79	8.01	6.79	14.50	14.73	18.42	17.26
Pennsylvania	17.60	18.12	11.54	11.15	7.64	7.67	9.26	9.36	12.81	12.68
East North Central	16.48	16.43	12.14	11.97	7.80	8.15	5.54	7.41	11.90	12.12
Illinois	16.10	17.45	11.09	11.63	8.20	8.48	5.20	7.36	11.53	12.42
Indiana	14.53	16.01	12.86	13.70	7.99	9.06	12.04	13.15	11.14	12.42
Michigan	18.70	18.06	13.80	13.03	8.00	8.11	14.28	13.64	13.66	13.23
Ohio	16.28	14.90	11.33	10.38	7.12	7.15	7.05	--	11.36	10.84
Wisconsin	16.96	16.34	12.54	12.51	7.97	8.20	18.72	16.20	12.37	12.31
West North Central	13.04	12.16	10.11	10.05	7.34	7.38	9.73	10.34	10.11	9.94
Iowa	12.85	11.89	9.53	9.21	6.01	5.80	--	--	8.60	8.31
Kansas	14.24	13.96	11.15	11.47	7.83	8.62	--	--	10.99	11.39
Minnesota	14.69	13.76	11.83	12.00	8.96	9.08	11.91	12.48	11.92	11.79
Missouri	12.56	11.65	9.78	9.45	7.60	7.63	8.23	7.91	10.57	10.13
Nebraska	11.61	10.57	9.38	8.92	6.85	7.06	--	--	8.96	8.83
North Dakota	10.44	9.72	7.38	7.56	7.16	6.94	--	--	7.85	7.76
South Dakota	12.31	11.31	10.44	9.58	8.15	7.83	--	--	10.65	9.98
South Atlantic	15.03	14.30	10.98	10.98	7.37	7.39	10.09	10.11	11.97	11.72
Delaware	16.60	15.34	11.92	11.91	8.35	8.11	--	--	13.58	12.83
District of Columbia	17.65	15.92	16.99	16.56	10.88	10.63	9.89	10.76	16.80	16.15
Florida	14.69	14.67	11.50	11.93	8.72	9.95	12.09	11.65	12.87	13.18
Georgia	13.57	13.55	11.11	11.18	5.86	6.15	5.42	6.29	10.65	10.79
Maryland	18.09	15.85	12.65	12.56	10.01	9.52	11.58	10.36	14.99	13.90
North Carolina	15.60	12.96	10.78	9.57	7.87	6.91	10.21	7.96	12.12	10.39
South Carolina	14.88	14.25	10.57	10.59	6.49	6.46	--	--	10.62	10.52
Virginia	14.72	14.74	9.07	9.46	8.53	9.06	10.05	11.06	10.82	11.13
West Virginia	15.31	14.25	11.78	11.21	7.65	7.01	--	--	11.04	10.31
East South Central	13.96	13.18	12.75	12.26	6.83	6.66	--	--	11.14	10.68
Alabama	15.87	14.63	13.89	13.11	7.18	6.68	--	--	11.79	11.02
Kentucky	13.01	12.14	11.94	11.31	6.64	6.53	--	--	10.22	9.77
Mississippi	14.24	13.99	12.50	13.12	6.91	7.23	--	--	11.02	11.32
Tennessee	13.17	12.47	12.60	11.89	6.53	6.37	--	--	11.33	10.75
West South Central	14.08	13.65	9.04	9.15	5.81	6.19	8.44	7.74	9.31	9.31
Arkansas	12.88	12.20	10.68	10.48	6.21	6.66	13.20	11.08	9.46	9.57
Louisiana	12.38	11.84	11.43	11.06	6.38	6.38	12.68	11.09	9.34	9.13
Oklahoma	11.83	11.92	7.69	8.67	5.07	6.09	--	--	7.94	8.76
Texas	14.92	14.45	8.78	8.83	5.72	6.11	4.18	7.54	9.51	9.40
Mountain	13.86	13.06	10.66	10.41	7.22	7.44	10.59	10.57	10.62	10.46
Arizona	14.95	13.61	11.77	10.96	7.17	7.03	9.67	9.05	12.03	11.19
Colorado	14.64	13.78	11.08	11.03	8.38	8.48	9.70	9.59	11.51	11.33
Idaho	11.07	10.09	9.16	8.32	6.55	6.00	--	--	9.18	8.45
Montana	12.22	12.14	11.65	12.03	7.08	8.38	--	--	10.58	11.15
Nevada	16.82	17.11	10.90	11.29	7.92	9.32	11.97	12.96	11.49	12.42
New Mexico	14.49	13.35	10.37	10.26	5.86	6.05	--	--	9.09	9.18
Utah	11.00	10.86	8.24	8.37	6.52	7.00	12.13	12.21	8.64	8.88
Wyoming	11.68	10.62	9.53	9.26	7.53	6.87	--	--	8.77	8.21
Pacific Contiguous	22.94	19.95	19.80	18.01	12.69	11.96	14.73	11.63	19.54	17.58
California	32.47	28.12	23.70	21.28	18.96	17.11	15.20	11.77	25.81	22.87
Oregon	14.32	12.17	11.69	10.29	7.21	7.07	12.71	11.43	11.38	10.20
Washington	11.72	10.78	10.63	10.24	6.21	6.39	11.30	10.85	10.16	9.69
Pacific Noncontiguous	35.11	34.23	30.89	31.02	31.44	32.25	--	--	32.40	32.46
Alaska	24.71	23.39	21.30	20.43	21.35	19.09	--	--	22.52	21.20
Hawaii	45.25	44.06	40.80	41.92	35.86	38.01	--	--	40.11	41.06
U.S. Total	16.68	15.91	12.76	12.48	7.73	7.79	11.91	12.18	12.73	12.43

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

Table 5.6.B. Average Price of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through March 2024 and 2023 (Cents per Kilowatthour)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD	March 2024 YTD	March 2023 YTD
New England	27.63	30.65	20.58	20.56	16.58	16.24	12.91	14.75	23.19	24.39
Connecticut	28.58	32.43	20.60	21.07	16.42	16.01	17.50	26.49	24.14	26.17
Maine	24.38	26.56	18.87	17.33	14.45	12.27	--	--	20.70	20.54
Massachusetts	29.06	32.14	21.16	21.10	18.17	18.46	9.60	7.69	24.03	25.18
New Hampshire	23.82	31.06	19.93	22.71	16.83	16.88	--	--	21.16	25.55
Rhode Island	30.85	28.68	20.39	18.34	19.66	20.16	20.39	16.60	24.74	22.90
Vermont	21.28	20.19	18.50	17.55	11.68	11.63	--	--	18.14	17.29
Middle Atlantic	19.64	19.70	15.09	14.86	8.19	8.20	13.50	14.30	15.57	15.39
New Jersey	17.87	17.01	13.67	13.56	11.85	11.80	11.03	13.26	15.10	14.72
New York	23.77	22.85	18.04	17.11	7.61	7.13	14.60	15.07	18.90	18.14
Pennsylvania	17.33	18.14	11.17	11.70	7.89	8.07	9.90	10.63	12.87	13.05
East North Central	16.02	16.13	12.07	12.01	8.01	8.31	7.94	7.24	12.06	12.20
Illinois	15.51	16.84	11.36	11.57	8.69	8.55	7.81	7.52	11.86	12.36
Indiana	14.08	15.83	12.61	13.81	8.11	9.28	11.71	13.21	11.27	12.62
Michigan	18.52	17.96	13.74	13.10	8.16	8.17	14.18	12.79	13.77	13.37
Ohio	15.84	14.60	11.00	10.50	7.15	7.43	6.59	--	11.44	10.96
Wisconsin	16.76	16.19	12.52	12.38	8.29	8.22	18.93	16.05	12.54	12.32
West North Central	12.28	11.85	9.93	9.95	7.42	7.44	9.47	9.69	9.99	9.89
Iowa	12.23	11.58	9.58	9.27	6.19	5.99	--	--	8.70	8.41
Kansas	13.57	13.80	10.88	11.50	7.96	8.81	--	--	10.97	11.49
Minnesota	14.34	13.41	11.67	11.57	9.01	8.92	11.73	11.78	11.86	11.52
Missouri	11.46	11.27	9.28	9.21	7.41	7.64	7.94	7.41	10.03	9.94
Nebraska	10.59	10.00	9.17	8.71	7.21	7.10	--	--	8.91	8.63
North Dakota	10.24	9.87	7.69	8.06	7.13	7.01	--	--	7.95	8.02
South Dakota	11.71	11.35	10.07	9.79	8.15	7.88	--	--	10.34	10.10
South Atlantic	14.52	14.31	11.17	11.32	7.64	7.72	10.09	10.34	12.09	12.03
Delaware	15.94	14.85	11.97	11.96	8.25	8.79	--	--	13.34	12.83
District of Columbia	17.16	15.40	17.24	16.57	10.93	10.83	9.94	10.49	16.88	16.01
Florida	14.91	15.13	11.82	12.14	9.06	10.22	11.88	11.05	13.21	13.56
Georgia	12.86	13.30	11.39	11.44	6.58	6.75	6.72	7.21	10.90	11.09
Maryland	17.69	16.01	12.89	13.80	10.37	10.04	11.41	10.80	15.11	14.63
North Carolina	14.37	12.89	10.78	9.80	7.92	7.19	9.81	7.81	11.94	10.69
South Carolina	14.10	14.23	10.67	10.84	6.76	6.81	--	--	10.86	10.83
Virginia	13.98	14.36	9.24	9.72	8.57	9.12	9.60	11.51	10.91	11.36
West Virginia	14.20	13.60	11.40	11.12	7.51	7.10	--	--	10.78	10.29
East South Central	13.17	13.17	12.44	12.57	6.76	6.98	--	--	11.02	11.04
Alabama	14.96	14.74	13.71	13.43	7.02	6.88	--	--	11.75	11.43
Kentucky	12.53	12.45	11.86	11.91	6.70	7.05	--	--	10.30	10.33
Mississippi	13.26	13.61	12.02	13.17	6.85	7.49	--	--	10.84	11.42
Tennessee	12.31	12.38	12.14	12.16	6.41	6.67	--	--	11.01	11.04
West South Central	13.47	13.57	9.06	9.35	6.03	6.56	8.66	7.60	9.51	9.80
Arkansas	11.86	11.82	10.48	10.41	6.54	6.86	13.00	13.03	9.55	9.65
Louisiana	11.37	12.20	10.51	11.61	5.95	6.95	11.78	11.20	8.79	9.70
Oklahoma	11.38	11.43	8.48	8.93	5.62	6.27	--	--	8.52	8.89
Texas	14.45	14.42	8.82	8.99	6.06	6.46	5.71	7.38	9.81	9.97
Mountain	13.58	12.96	10.57	10.35	7.48	7.65	10.66	10.89	10.70	10.53
Arizona	14.47	13.08	11.58	10.69	7.67	7.67	9.79	8.96	11.98	11.11
Colorado	14.44	14.11	10.98	11.15	8.46	8.35	9.84	10.14	11.55	11.50
Idaho	11.02	10.32	8.96	8.25	6.78	6.02	--	--	9.28	8.60
Montana	12.04	11.58	11.57	11.42	8.99	9.05	--	--	11.06	10.89
Nevada	16.61	16.98	11.06	11.58	8.12	9.83	11.98	12.65	11.70	12.75
New Mexico	14.09	13.64	10.47	10.59	5.67	6.05	--	--	9.19	9.47
Utah	10.94	10.76	8.13	8.16	7.15	7.15	12.09	12.34	8.80	8.80
Wyoming	11.29	10.39	9.57	9.09	7.35	6.86	--	--	8.65	8.14
Pacific Contiguous	22.04	19.60	19.51	18.05	12.57	11.80	15.42	11.61	19.17	17.49
California	30.94	27.23	23.40	21.53	18.32	16.61	16.08	11.80	25.24	22.77
Oregon	14.11	12.13	11.48	10.28	7.50	7.36	12.50	11.24	11.45	10.30
Washington	11.37	10.65	10.62	10.16	6.43	6.44	11.06	10.58	10.12	9.64
Pacific Noncontiguous	34.03	33.85	30.85	31.06	31.26	32.79	--	--	32.04	32.53
Alaska	23.76	22.58	21.25	20.15	19.19	18.92	--	--	21.75	20.79
Hawaii	44.48	44.44	41.27	42.58	36.63	38.80	--	--	40.43	41.71
U.S. Total	16.01	15.77	12.75	12.64	7.88	8.06	12.56	12.51	12.76	12.66

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: 2014 - March 2024

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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	138,308,772	19,102,304	1,022,212	82	158,433,370
2022	139,854,178	19,257,529	1,049,983	86	160,161,776
2023	140,822,653	19,334,187	1,076,425	81	161,233,346
Year 2022					
January	138,694,350	19,145,510	1,018,257	83	158,858,200
February	138,676,166	19,081,239	1,009,083	84	158,766,572
March	140,257,849	19,352,519	1,033,938	87	160,644,393
April	139,134,445	19,174,040	1,031,667	84	159,340,236
May	139,712,967	19,248,194	1,048,800	84	160,010,045
June	140,050,386	19,313,913	1,068,161	85	160,432,545
July	139,632,048	19,233,742	1,063,023	85	159,928,898
August	140,549,888	19,319,344	1,080,715	84	160,950,031
Sept	140,218,329	19,290,292	1,073,550	84	160,582,255
October	140,334,114	19,294,667	1,059,659	84	160,688,524
November	140,228,398	19,291,427	1,047,225	82	160,567,132
December	140,760,019	19,343,829	1,064,970	83	161,168,901
Year 2023					
January	140,164,131	19,293,282	1,060,301	81	160,517,795
February	139,617,537	19,192,844	1,051,825	80	159,862,286
March	140,965,719	19,378,911	1,067,760	81	161,412,471
April	139,829,776	19,155,834	1,055,085	81	160,040,776
May	140,797,811	19,353,055	1,084,292	80	161,235,238
June	140,961,861	19,366,091	1,092,186	81	161,420,219
July	140,715,232	19,330,035	1,085,489	82	161,130,838
August	141,687,125	19,448,125	1,104,132	82	162,239,464
Sept	141,011,704	19,362,932	1,087,170	82	161,461,888
October	141,452,573	19,413,832	1,080,839	82	161,947,326
November	141,171,614	19,347,416	1,067,252	82	161,586,364
December	141,496,756	19,367,884	1,080,766	82	161,945,488
Year 2024					
January	142,003,520	19,427,758	1,073,675	82	162,505,035
February	143,158,375	19,490,303	1,065,741	81	163,714,500
March	143,653,733	19,533,175	1,080,363	81	164,267,352
Rolling 12 Months Ending in March					
2023	140,113,998	19,281,207	1,059,805	83	160,455,093
2024	141,495,007	19,383,037	1,079,749	82	161,957,874

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 2022 and prior years are final. Values for 2024 and 2023 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: March 2024 and 2023

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	6,662,348	6,535,706	971,269	944,892	20,985	22,054	6	6	7,654,608	7,502,658
Connecticut	1,545,273	1,539,230	157,480	157,050	3,867	3,952	3	3	1,706,623	1,700,235
Maine	744,764	723,451	111,218	108,822	1,940	2,118	0	0	857,922	834,391
Massachusetts	2,941,671	2,871,507	466,199	446,483	10,192	10,948	2	2	3,418,064	3,328,940
New Hampshire	650,026	644,847	111,900	110,923	3,125	3,123	0	0	765,051	758,893
Rhode Island	460,260	437,900	61,890	59,900	1,623	1,666	1	1	523,774	499,467
Vermont	320,354	318,771	62,582	61,714	238	247	0	0	383,174	380,732
Middle Atlantic	18,166,947	16,580,314	2,545,337	2,453,404	42,894	33,498	20	19	20,755,198	19,067,235
New Jersey	3,710,011	3,689,265	540,356	544,087	11,140	10,466	7	6	4,261,514	4,243,824
New York	7,398,804	7,386,131	1,160,415	1,179,049	16,759	7,333	8	8	8,575,986	8,572,521
Pennsylvania	7,058,132	5,504,918	844,566	730,268	14,995	15,699	5	5	7,917,698	6,250,890
East North Central	20,873,439	20,743,665	2,570,845	2,560,221	53,895	55,092	10	10	23,498,189	23,358,988
Illinois	5,413,538	5,396,985	636,839	638,911	5,523	5,641	3	3	6,055,903	6,041,540
Indiana	2,989,618	2,954,752	375,973	373,113	18,891	19,088	1	1	3,384,483	3,346,954
Michigan	4,529,220	4,507,866	562,394	559,422	5,540	5,536	2	2	5,097,156	5,072,826
Ohio	5,107,389	5,075,409	626,418	623,537	18,476	19,359	2	2	5,752,285	5,718,307
Wisconsin	2,833,674	2,808,653	369,221	365,238	5,465	5,468	2	2	3,208,362	3,179,361
West North Central	10,013,882	9,910,433	1,511,420	1,522,429	125,513	125,603	3	3	11,650,818	11,558,468
Iowa	1,463,084	1,449,871	251,081	249,586	8,291	8,355	0	0	1,722,456	1,707,812
Kansas	1,336,043	1,321,372	248,543	248,241	23,847	24,090	0	0	1,608,433	1,593,703
Minnesota	2,591,853	2,561,967	307,539	310,095	9,075	9,023	1	1	2,908,468	2,881,086
Missouri	2,882,249	2,857,952	385,600	398,165	9,436	9,845	2	2	3,277,287	3,265,964
Nebraska	908,846	898,637	162,877	162,025	61,267	60,896	0	0	1,132,990	1,121,558
North Dakota	397,366	394,232	77,547	77,045	9,391	9,215	0	0	484,304	480,492
South Dakota	434,441	426,402	78,233	77,272	4,206	4,179	0	0	516,880	507,853
South Atlantic	30,476,826	29,988,536	4,007,477	3,987,747	87,444	86,888	13	13	34,571,760	34,063,184
Delaware	467,737	461,871	60,033	59,248	764	819	0	0	528,534	521,938
District of Columbia	317,391	312,179	27,489	27,299	1	1	3	3	344,884	339,482
Florida	10,330,697	10,149,591	1,290,983	1,283,934	26,660	25,757	2	2	11,648,342	11,459,284
Georgia	4,788,391	4,703,574	613,015	608,015	23,445	23,653	1	1	5,424,852	5,335,243
Maryland	2,444,210	2,426,467	261,802	260,870	9,080	9,052	5	5	2,715,097	2,696,394
North Carolina	5,046,656	4,934,177	744,465	740,646	9,081	9,240	1	1	5,800,203	5,684,064
South Carolina	2,548,994	2,507,756	406,630	408,399	3,523	3,556	0	0	2,959,147	2,919,711
Virginia	3,666,575	3,627,378	451,412	448,776	3,887	3,678	1	1	4,121,875	4,079,833
West Virginia	866,175	865,543	151,648	150,560	11,003	11,132	0	0	1,028,826	1,027,235
East South Central	8,868,414	8,749,329	1,478,404	1,464,925	24,238	24,791	0	0	10,371,056	10,239,045
Alabama	2,389,928	2,360,487	383,817	382,573	7,178	7,195	0	0	2,780,923	2,750,255
Kentucky	2,034,578	2,015,919	325,845	321,319	5,405	5,812	0	0	2,365,828	2,343,050
Mississippi	1,367,652	1,352,762	244,342	243,748	10,669	10,773	0	0	1,622,663	1,607,283
Tennessee	3,076,256	3,020,161	524,400	517,285	986	1,011	0	0	3,601,642	3,538,457
West South Central	17,813,083	17,555,055	2,395,599	2,358,940	427,469	409,863	5	6	20,636,156	20,323,864
Arkansas	1,476,408	1,459,029	208,774	207,763	29,956	31,114	2	2	1,715,140	1,697,908
Louisiana	2,173,108	2,161,526	300,363	300,797	17,984	18,963	1	1	2,491,456	2,481,287
Oklahoma	1,886,590	1,862,698	304,146	301,557	18,490	18,934	0	0	2,209,226	2,183,189
Texas	12,276,977	12,071,802	1,582,316	1,548,823	361,039	340,852	2	3	14,220,334	13,961,480
Mountain	10,704,486	10,529,434	1,505,453	1,485,179	98,098	97,976	5	5	12,308,042	12,112,594
Arizona	3,084,292	3,028,283	344,735	340,824	7,063	7,206	2	2	3,436,092	3,376,315
Colorado	2,483,856	2,449,098	397,196	390,912	14,872	14,952	1	1	2,895,925	2,854,963
Idaho	857,022	836,375	122,793	121,382	29,265	29,050	0	0	1,009,080	986,807
Montana	556,312	547,649	117,995	116,203	10,207	10,130	0	0	684,514	673,982
Nevada	1,300,049	1,281,450	175,404	173,036	4,743	4,619	1	1	1,480,197	1,459,106
New Mexico	916,314	908,695	147,613	146,098	9,169	9,413	0	0	1,073,096	1,064,206
Utah	1,220,125	1,193,638	140,643	137,743	10,960	10,874	1	1	1,371,729	1,342,256
Wyoming	286,516	284,246	59,074	58,981	11,819	11,732	0	0	357,409	354,959
Pacific Contiguous	19,329,193	19,630,052	2,430,123	2,483,589	197,834	210,019	19	19	21,957,169	22,323,679
California	14,111,959	14,456,674	1,770,149	1,823,922	146,529	157,929	12	12	16,028,649	16,438,537
Oregon	1,867,794	1,846,776	251,209	249,793	25,170	25,197	2	2	2,144,175	2,121,768
Washington	3,349,440	3,326,602	408,765	409,874	26,135	26,893	5	5	3,784,345	3,763,374
Pacific Noncontiguous	745,115	743,195	117,248	117,585	1,993	1,976	0	0	864,356	862,756
Alaska	298,721	296,834	57,410	57,366	1,179	1,161	0	0	357,310	355,361
Hawaii	446,394	446,361	59,838	60,219	814	815	0	0	507,046	507,395
U.S. Total	143,653,733	140,965,719	19,533,175	19,378,911	1,080,363	1,067,760	81	81	164,267,352	161,412,471

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

Chapter 6

Capacity

Table 6.1. Electric Generating Summer Capacity Changes (MW), February 2024 to March 2024

		As of End of February 2024	Activity During March 2024 as Reported to EIA		As of End of March 2024	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		Capacity	
Technology	Capacity Source	Total In-Service Capacity	Actual Capacity Additions	Actual Capacity Reductions	Total In-Service Capacity	Current Month	Year to Date	Past 12 Months	Next Month	Next 12 Months	Next Month	Next 12 Months	Next Month	Next 12 Months	At End of Next Month	At End of Next 12 Months
..... *Onshore Wind (Summer Capacity)*	*Utility Scale Facilities*	*148,768.8*	*182.4*	*50.0*	*148,901.2*	*132.4*	*1,302.7*	*5,876.5*	*1,228.1*	*5,579.9*	*0.0*	*2.7*	*1,228.1*	*5,577.2*	*150,129.3*	*154,478.4*
..... *Offshore Wind (Summer Capacity)*	*Utility Scale Facilities*	*41.3*	*0.0*	*0.0*	*41.3*	*0.0*	*0.0*	*0.0*	*0.0*	*930.0*	*0.0*	*0.0*	*0.0*	*930.0*	*41.3*	*971.3*
..... Wind (Summer Capacity)	Utility Scale Facilities	148,810.1	182.4	50.0	148,942.5	132.4	1,302.7	5,876.5	1,228.1	6,509.9	0.0	2.7	1,228.1	6,507.2	150,170.6	155,449.7
..... *Solar Photovoltaic*	*Utility Scale Facilities*	*93,991.1*	*3,004.5*	*233.7*	*96,761.9*	*2,770.8*	*6,933.0*	*22,883.2*	*3,630.5*	*35,545.8*	*0.0*	*0.0*	*3,630.5*	*35,545.8*	*100,392.4*	*132,307.7*
..... *Solar Thermal without Energy Storage*	*Utility Scale Facilities*	*1,074.4*	*0.0*	*0.0*	*1,074.4*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*88.0*	*0.0*	*-88.0*	*1,074.4*	*986.4*
..... *Solar Thermal with Energy Storage*	*Utility Scale Facilities*	*405.6*	*1.1*	*0.0*	*406.7*	*1.1*	*1.1*	*1.1*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*406.7*	*406.7*
..... Solar Subtotal	Utility Scale Facilities	95,471.1	3,005.6	233.7	98,243.0	2,771.9	6,934.1	22,884.3	3,630.5	35,545.8	0.0	88.0	3,630.5	35,457.8	101,873.5	133,700.8
..... Conventional Hydroelectric	Utility Scale Facilities	79,982.1	22.7	4.1	80,000.7	18.6	-89.0	-91.0	0.0	54.1	0.0	11.4	0.0	42.7	80,000.7	80,043.4
..... *Wood/Wood Waste Biomass*	*Utility Scale Facilities*	*7,568.0*	*0.0*	*32.2*	*7,535.8*	*-32.2*	*-179.8*	*-295.5*	*0.0*	*42.9*	*12.6*	*12.6*	*-12.6*	*30.3*	*7,523.2*	*7,566.1*
..... *Landfill Gas*	*Utility Scale Facilities*	*1,614.5*	*0.0*	*10.2*	*1,604.3*	*-10.2*	*-44.8*	*-50.1*	*0.0*	*7.0*	*0.0*	*10.8*	*0.0*	*-3.8*	*1,604.3*	*1,600.5*
..... *Municipal Solid Waste*	*Utility Scale Facilities*	*2,050.6*	*0.0*	*0.0*	*2,050.6*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*74.5*	*0.0*	*-74.5*	*2,050.6*	*1,976.1*
..... *Other Waste Biomass*	*Utility Scale Facilities*	*589.2*	*0.0*	*0.0*	*589.2*	*0.0*	*-3.7*	*-1.5*	*2.6*	*30.2*	*0.0*	*0.0*	*2.6*	*30.2*	*591.8*	*619.4*
..... Biomass Sources Subtotal	Utility Scale Facilities	11,822.3	0.0	42.4	11,779.9	-42.4	-228.3	-347.1	2.6	80.1	12.6	97.9	-10.0	-17.8	11,769.9	11,762.1
..... Geothermal	Utility Scale Facilities	2,742.6	0.0	0.0	2,742.6	0.0	69.0	94.0	0.0	0.0	0.0	0.0	0.0	0.0	2,742.6	2,742.6
... Renewable Sources Subtotal	***Utility Scale Facilities***	***338,828.9***	***3,210.7***	***330.9***	***341,708.7***	***2,879.8***	***7,987.8***	***28,416.0***	***4,861.2***	***42,189.9***	***12.6***	***200.0***	***4,848.6***	***41,989.9***	***346,557.3***	***383,698.6***
..... *Natural Gas Fired Combined Cycle*	*Utility Scale Facilities*	*293,594.8*	*1,688.0*	*38.7*	*295,244.1*	*1,649.3*	*-497.9*	*4,099.5*	*28.0*	*1,196.6*	*57.0*	*1,797.6*	*-29.0*	*-601.0*	*295,215.1*	*294,643.1*
..... *Natural Gas Fired Combustion Turbine*	*Utility Scale Facilities*	*132,094.3*	*26.7*	*297.0*	*131,824.0*	*-270.3*	*172.7*	*866.3*	*413.0*	*2,128.3*	*0.0*	*1,079.8*	*413.0*	*1,048.5*	*132,237.0*	*132,872.5*
..... *Natural Gas Steam Turbine*	*Utility Scale Facilities*	*75,757.0*	*2.0*	*438.2*	*75,320.8*	*-436.2*	*579.4*	*-2,387.6*	*8.0*	*12.6*	*0.0*	*1,224.7*	*8.0*	*-1,212.1*	*75,328.8*	*74,108.7*
..... *Natural Gas Internal Combustion Engine*	*Utility Scale Facilities*	*5,846.1*	*5.8*	*0.0*	*5,851.9*	*5.8*	*140.7*	*265.9*	*4.9*	*393.5*	*0.0*	*7.7*	*4.9*	*385.8*	*5,856.8*	*6,237.7*
..... *Natural Gas with Compressed Air Storage*	*Utility Scale Facilities*	*110.0*	*0.0*	*0.0*	*110.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*110.0*	*110.0*
..... *Other Natural Gas*	*Utility Scale Facilities*	*361.4*	*0.0*	*0.0*	*361.4*	*0.0*	*11.6*	*11.6*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*361.4*	*361.4*
..... Natural Gas Subtotal	Utility Scale Facilities	507,763.6	1,722.5	773.9	508,712.2	948.6	406.5	2,855.7	453.9	3,731.0	57.0	4,109.8	396.9	-378.8	509,109.1	508,333.4
..... *Conventional Steam Coal*	*Utility Scale Facilities*	*177,348.3*	*14.4*	*279.9*	*177,082.8*	*-265.5*	*-3,132.7*	*-9,203.5*	*0.0*	*13.0*	*626.1*	*1,981.1*	*-626.1*	*-1,968.1*	*176,456.7*	*175,114.7*
..... *Coal Integrated Gasification Combined Cycle*	*Utility Scale Facilities*	*595.0*	*0.0*	*0.0*	*595.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*595.0*	*595.0*
..... Coal Subtotal	Utility Scale Facilities	177,943.3	14.4	279.9	177,677.8	-265.5	-3,132.7	-9,203.5	0.0	13.0	626.1	1,981.1	-626.1	-1,968.1	177,051.7	175,709.7
..... Petroleum Coke	Utility Scale Facilities	1,312.6	0.0	0.0	1,312.6	0.0	-6.3	-6.3	0.0	0.0	0.0	0.0	0.0	0.0	1,312.6	1,312.6
..... Petroleum Liquids	Utility Scale Facilities	28,095.1	5.7	12.8	28,088.0	-7.1	318.3	582.3	0.0	29.7	0.2	668.6	-0.2	-638.9	28,087.8	27,449.1
..... Other Gases	Utility Scale Facilities	1,746.3	1.8	0.0	1,748.1	1.8	23.0	49.9	0.0	0.0	0.0	0.0	0.0	0.0	1,748.1	1,748.1
... Fossil Fuels Subtotal	***Utility Scale Facilities***	***716,860.9***	***1,744.4***	***1,066.6***	***717,538.7***	***677.8***	***-2,391.2***	***-5,721.9***	***453.9***	***3,774.0***	***683.3***	***6,759.5***	***-229.4***	***-2,985.5***	***717,309.3***	***714,553.2***
..... Hydroelectric Pumped Storage	Utility Scale Facilities	23,139.0	80.0	0.0	23,219.0	80.0	52.5	62.1	0.0	0.0	0.0	0.0	0.0	0.0	23,219.0	23,219.0
..... 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	15,945.4	1,100.9	212.0	16,834.3	888.9	1,420.8	7,313.0	2,260.9	15,059.6	2.4	2.4	2,258.5	15,057.2	19,092.8	31,891.5
... Energy Storage Subtotal	***Utility Scale Facilities***	***39,131.4***	***1,180.9***	***212.0***	***40,100.3***	***968.9***	***1,473.3***	***7,375.1***	***2,260.9***	***15,059.6***	***2.4***	***2.4***	***2,258.5***	***15,057.2***	***42,358.8***	***55,157.5***
... Nuclear	***Utility Scale Facilities***	***95,723.1***	***0.0***	***0.0***	***95,723.1***	***0.0***	***-22.9***	***1,091.1***	***1,114.0***	***1,159.0***	***0.0***	***0.0***	***1,114.0***	***1,159.0***	***96,837.1***	***96,882.1***
... All Other	***Utility Scale Facilities***	***1,403.7***	***0.0***	***0.0***	***1,403.7***	***0.0***	***24.6***	***25.5***	***0.0***	***0.0***	***0.0***	***0.0***	***0.0***	***0.0***	***1,403.7***	***1,403.7***
TOTAL	**UTILITY SCALE FACILITIES**	**1,191,948.0**	**6,136.0**	**1,609.5**	**1,196,474.5**	**4,526.5**	**7,071.6**	**31,185.8**	**8,690.0**	**62,182.5**	**698.3**	**6,961.9**	**7,991.7**	**55,220.6**	**1,204,466.2**	**1,251,695.1**
..... *Estimated Small Scale Solar Photovoltaic*	*Small Scale Facilities*	*48,821.5*			*49,266.4*	*444.9*	*1,562.5*	*7,613.1*								
..... Estimated Total Solar Photovoltaic	All Facilities	142,812.6			146,028.3	3,215.7	8,495.5	30,496.3								
... Estimated Total Solar	***All Facilities***	***144,292.6***			***147,509.4***	***3,216.8***	***8,496.6***	***30,497.4***								

NOTES:
Planned Capacity Additions reflect plans to begin operating new units and plans to uprate existing units.
Planned Capacity Reductions reflect plans to retire or derate existing units.
Actual Capacity Additions reflect new units, uprates to existing units, corrections to previously reported capacities, and additions not previously reported.
Actual Capacity Reductions reflect retirements of and derates to existing units, corrections to previously reported capacities, and reductions not previously reported.
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this 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 - March 2024

Period	Utility Solar Photovoltaic	Estimated Small Scale Solar Photovoltaic	Estimated Total Solar Photovoltaic
Annual Totals			
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	60,070.1	33,081.0	93,151.1
2022	71,386.3	39,828.0	111,214.3
2023	89,828.9	47,703.9	137,532.8
Year 2022			
January	61,350.2	33,635.1	94,985.3
February	61,673.4	34,229.8	95,903.2
March	62,666.8	34,771.7	97,438.5
April	63,123.2	35,264.5	98,387.7
May	63,892.3	35,779.3	99,671.6
June	65,118.6	36,321.4	101,440.0
July	65,707.2	36,849.0	102,556.2
August	66,418.7	37,373.4	103,792.1
Sept	67,201.8	37,982.6	105,184.4
October	67,739.4	38,539.7	106,279.1
November	68,569.5	39,145.7	107,715.2
December	71,386.3	39,828.0	111,214.3
Year 2023			
January	72,500.3	40,576.8	113,077.1
February	73,255.2	41,186.8	114,442.0
March	73,878.7	41,653.3	115,532.0
April	74,760.5	42,428.3	117,188.8
May	75,828.1	43,110.2	118,938.3
June	77,427.1	43,837.8	121,264.9
July	79,450.9	44,441.7	123,892.6
August	80,157.8	45,279.3	125,437.1
Sept	81,004.9	45,892.7	126,897.6
October	82,539.6	46,547.6	129,087.2
November	83,426.5	47,258.2	130,684.7
December	89,828.9	47,703.9	137,532.8
Year 2024			
January	93,240.6	48,084.1	141,324.7
February	93,991.1	48,821.5	142,812.6
March	96,761.9	49,266.4	146,028.3

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 - March 2024

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	21,116.2	9,752.0	2,212.7	33,081.0
2022	26,294.0	11,212.3	2,321.7	39,828.0
2023	32,850.1	12,285.3	2,568.5	47,703.9
Year 2022				
January	21,342.5	10,082.9	2,209.6	33,635.1
February	21,777.1	10,239.2	2,213.5	34,229.8
March	22,187.6	10,363.3	2,220.8	34,771.7
April	22,604.0	10,429.8	2,230.8	35,264.5
May	22,993.1	10,550.3	2,235.8	35,779.3
June	23,394.8	10,681.1	2,245.6	36,321.4
July	23,816.8	10,780.8	2,251.4	36,849.0
August	24,279.7	10,833.1	2,260.6	37,373.4
Sept	24,735.6	10,976.6	2,270.5	37,982.6
October	25,241.5	11,003.9	2,294.3	38,539.7
November	25,728.0	11,117.3	2,300.5	39,145.7
December	26,294.0	11,212.3	2,321.7	39,828.0
Year 2023				
January	26,889.3	11,324.1	2,363.4	40,576.8
February	27,336.2	11,483.1	2,367.5	41,186.8
March	27,809.1	11,458.3	2,386.0	41,653.3
April	28,383.1	11,605.2	2,439.9	42,428.3
May	28,947.1	11,721.8	2,441.3	43,110.2
June	29,594.2	11,789.6	2,453.9	43,837.8
July	30,117.2	11,861.4	2,463.1	44,441.7
August	30,904.9	11,917.0	2,457.4	45,279.3
Sept	31,370.9	12,045.9	2,476.0	45,892.7
October	31,898.1	12,140.8	2,508.6	46,547.6
November	32,359.2	12,336.0	2,563.0	47,258.2
December	32,850.1	12,285.3	2,568.5	47,703.9
Year 2024				
January	33,093.6	12,417.9	2,572.6	48,084.1
February	33,530.3	12,669.1	2,622.1	48,821.5
March	33,795.9	12,852.2	2,618.3	49,266.4

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, March 2024 and 2023 (Megawatts)

Census Division and State	Renewable Sources		Fossil Fuels		Hydroelectric Pumped Storage		Other Energy Storage		Nuclear		All Other Sources		All Sources	
	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	7,455.8	7,070.8	22,450.2	22,711.7	1,863.4	1,863.4	366.9	317.2	3,326.9	3,356.1	22.0	22.0	35,485.2	35,341.2
Connecticut	563.3	536.7	7,286.9	7,436.6	29.4	29.4	1.6	1.6	2,081.2	2,108.0	0.0	0.0	9,962.4	10,112.3
Maine	2,737.6	2,541.7	2,312.2	2,306.2	0.0	0.0	62.3	46.3	0.0	0.0	22.0	22.0	5,134.1	4,916.2
Massachusetts	1,983.2	1,940.5	8,684.6	8,802.4	1,834.0	1,834.0	265.1	255.4	0.0	0.0	0.0	0.0	12,766.9	12,832.3
New Hampshire	946.6	944.1	2,260.4	2,260.4	0.0	0.0	14.0	0.0	1,245.7	1,248.1	0.0	0.0	4,466.7	4,452.6
Rhode Island	515.2	405.1	1,780.1	1,780.1	0.0	0.0	3.0	3.0	0.0	0.0	0.0	0.0	2,298.3	2,188.2
Vermont	709.9	702.7	126.0	126.0	0.0	0.0	20.9	10.9	0.0	0.0	0.0	0.0	856.8	839.6
Middle Atlantic	14,538.3	13,289.6	71,558.0	73,193.2	3,315.7	3,343.2	362.5	269.2	15,854.5	15,854.5	11.2	11.2	105,640.2	105,960.9
New Jersey	1,375.5	1,325.3	11,506.9	11,501.4	415.4	420.0	89.7	49.7	3,456.7	3,456.7	11.2	11.2	16,855.4	16,764.3
New York	9,509.6	8,907.7	25,810.2	26,239.5	1,408.8	1,408.8	218.2	164.9	3,304.6	3,304.6	0.0	0.0	40,251.4	40,025.5
Pennsylvania	3,653.2	3,056.6	34,240.9	35,452.3	1,491.5	1,514.4	54.6	54.6	9,093.2	9,093.2	0.0	0.0	48,533.4	49,171.1
East North Central	25,999.7	21,441.8	102,973.1	105,528.6	2,185.6	2,185.6	173.9	165.5	18,206.2	18,206.2	169.8	169.8	149,708.3	147,697.5
Illinois	9,177.3	8,307.5	24,012.0	24,340.8	0.0	0.0	96.1	96.1	11,567.6	11,567.6	78.0	78.0	44,931.0	44,390.0
Indiana	4,871.7	4,297.3	21,639.2	22,513.7	0.0	0.0	36.0	36.0	0.0	0.0	88.0	88.0	26,634.9	26,935.0
Michigan	5,304.8	4,816.9	20,306.5	20,822.5	2,185.6	2,185.6	1.3	1.3	3,318.0	3,318.0	3.8	3.8	31,120.0	31,148.1
Ohio	3,441.8	1,760.2	23,852.7	24,692.3	0.0	0.0	34.8	26.8	2,134.0	2,134.0	0.0	0.0	29,463.3	28,613.3
Wisconsin	3,204.1	2,259.9	13,162.7	13,159.3	0.0	0.0	5.7	5.3	1,186.6	1,186.6	0.0	0.0	17,559.1	16,611.1
West North Central	45,782.6	44,107.9	56,696.2	57,622.9	657.0	657.0	30.6	31.8	4,840.5	4,842.0	12.2	12.2	108,019.1	107,273.8
Iowa	13,347.9	13,093.4	9,379.2	9,644.9	0.0	0.0	8.9	8.9	0.0	0.0	0.0	0.0	22,736.0	22,747.2
Kansas	9,098.8	8,293.2	8,921.7	8,918.4	0.0	0.0	0.0	0.0	1,225.0	1,225.0	0.8	0.8	19,246.3	18,437.4
Minnesota	6,754.7	6,611.5	9,438.8	10,121.6	0.0	0.0	16.0	16.0	1,657.0	1,657.0	6.1	6.1	17,872.6	18,412.2
Missouri	3,038.2	3,038.2	16,286.1	16,261.7	657.0	657.0	1.0	2.2	1,190.0	1,190.0	0.0	0.0	21,172.3	21,149.1
Nebraska	3,854.1	3,854.1	6,168.5	6,167.0	0.0	0.0	3.9	3.9	768.5	770.0	0.0	0.0	10,795.0	10,795.0
North Dakota	4,839.9	4,845.9	4,552.7	4,557.8	0.0	0.0	0.0	0.0	0.0	0.0	5.3	5.3	9,397.9	9,409.0
South Dakota	4,849.0	4,371.6	1,949.2	1,951.5	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.0	6,799.0	6,323.9
South Atlantic	38,472.6	34,305.8	153,592.3	155,021.8	8,260.4	8,180.4	813.9	767.4	25,866.7	24,752.8	366.9	366.9	227,372.8	223,395.1
Delaware	105.6	105.7	3,189.9	3,189.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,295.5	3,295.6
District of Columbia	31.6	30.5	20.6	20.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.2	51.1
Florida	10,700.5	8,222.5	55,339.6	54,890.4	0.0	0.0	560.7	558.2	3,666.0	3,666.0	312.9	312.9	70,579.7	67,650.0
Georgia	7,112.5	6,632.5	23,518.0	23,532.2	1,897.4	1,897.4	81.2	81.2	5,175.0	4,061.0	0.0	0.0	37,784.1	36,204.3
Maryland	1,447.2	1,440.0	8,722.1	8,742.3	0.0	0.0	13.7	7.7	1,707.8	1,707.8	0.0	0.0	11,890.8	11,897.8
North Carolina	9,281.4	8,890.3	21,300.6	21,342.6	86.0	86.0	58.3	58.3	5,149.6	5,149.6	54.0	54.0	35,929.9	35,580.8
South Carolina	3,228.2	3,247.3	11,629.3	11,650.8	3,036.0	2,956.0	22.0	4.0	6,600.3	6,600.4	0.0	0.0	24,515.8	24,458.5
Virginia	5,267.5	4,537.8	16,098.2	17,879.0	3,241.0	3,241.0	30.5	10.5	3,568.0	3,568.0	0.0	0.0	28,205.2	29,236.3
West Virginia	1,298.1	1,199.2	13,774.0	13,774.0	0.0	0.0	47.5	47.5	0.0	0.0	0.0	0.0	15,119.6	15,020.7
East South Central	9,909.9	9,615.3	62,317.4	60,106.4	1,616.3	1,616.3	2.5	1.0	11,358.4	11,358.4	1.4	1.4	85,205.9	82,698.8
Alabama	4,509.6	4,457.5	21,134.0	19,100.2	0.0	0.0	1.0	1.0	5,452.7	5,452.7	0.0	0.0	31,097.3	29,011.4
Kentucky	1,290.2	1,291.7	17,045.5	16,343.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18,335.7	17,635.2
Mississippi	728.0	621.7	12,719.1	13,243.9	0.0	0.0	1.5	0.0	1,383.0	1,383.0	1.4	1.4	14,833.0	15,250.0
Tennessee	3,382.1	3,244.4	11,418.8	11,418.8	1,616.3	1,616.3	0.0	0.0	4,522.7	4,522.7	0.0	0.0	20,939.9	20,802.2
West South Central	76,021.5	67,891.4	140,911.1	141,078.4	288.0	288.0	3,914.4	2,330.6	8,941.9	8,934.0	576.0	548.2	230,652.9	221,070.6
Arkansas	2,313.1	1,823.4	10,875.0	11,260.8	30.0	30.0	22.0	22.0	1,825.0	1,822.0	0.0	0.0	15,065.1	14,958.2
Louisiana	958.6	758.6	21,101.8	21,520.6	0.0	0.0	0.0	0.5	2,136.9	2,132.0	357.0	329.2	24,554.3	24,740.9
Oklahoma	13,612.5	13,113.1	19,796.8	19,757.9	258.0	258.0	10.0	10.0	0.0	0.0	0.0	0.0	33,677.3	33,139.0
Texas	59,137.3	52,196.3	89,137.5	88,539.1	0.0	0.0	3,882.4	2,298.1	4,980.0	4,980.0	219.0	219.0	157,356.2	148,232.5
Mountain	43,288.3	38,343.5	58,110.3	58,139.2	806.7	797.1	2,351.3	383.0	3,937.0	3,937.0	124.6	123.7	108,618.2	101,723.5
Arizona	7,301.4	6,364.1	17,513.5	17,587.5	216.3	216.3	948.0	157.0	3,937.0	3,937.0	0.0	0.0	29,916.2	28,261.9
Colorado	8,228.5	7,164.7	10,472.4	10,322.4	590.4	580.8	240.2	10.2	0.0	0.0	9.1	9.1	19,540.6	18,087.2
Idaho	4,255.5	4,095.7	1,145.6	1,244.8	0.0	0.0	0.0	0.0	0.0	0.0	14.8	14.8	5,415.9	5,355.3
Montana	4,797.8	4,406.8	2,068.0	2,072.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	40.0	6,905.8	6,518.8
Nevada	6,615.3	5,268.5	8,082.3	8,079.6	0.0	0.0	923.8	200.0	0.0	0.0	6.5	6.5	15,627.9	13,554.6
New Mexico	5,940.9	5,363.5	4,849.1	4,848.0	0.0	0.0	238.3	14.8	0.0	0.0	0.7	0.7	11,029.0	10,227.0
Utah	2,643.8	2,274.2	7,303.8	7,311.5	0.0	0.0	1.0	1.0	0.0	0.0	40.2	40.2	9,988.8	9,626.9
Wyoming	3,505.1	3,406.0	6,675.6	6,673.4	0.0	0.0	0.0	0.0	0.0	0.0	13.3	12.4	10,194.0	10,091.8
Pacific Contiguous	78,822.9	75,858.2	44,772.6	45,692.6	4,225.9	4,225.9	8,399.2	5,064.0	3,391.0	3,391.0	91.2	94.4	139,702.8	134,326.1
California	39,785.0	37,058.7	36,941.0	37,878.0	3,911.9	3,911.9	8,358.2	5,023.0	2,240.0	2,240.0	91.2	94.4	91,327.3	86,206.0
Oregon	13,667.6	13,443.4	3,769.0	3,755.0	0.0	0.0	35.0	35.0	0.0	0.0	0.0	0.0	17,471.6	17,233.4
Washington	25,370.3	25,356.1	4,062.6	4,059.6	314.0	314.0	6.0	6.0	1,151.0	1,151.0	0.0	0.0	30,903.9	30,886.7
Pacific Noncontiguous	1,417.1	1,368.4	4,157.5	4,165.8	0.0	0.0	466.1	238.6	0.0	0.0	28.4	28.4	6,069.1	5,801.2
Alaska	549.9	542.8	2,177.6	2,185.9	0.0	0.0	93.7	93.7	0.0	0.0	0.9	0.9	2,822.1	2,823.3
Hawaii	867.2	825.6	1,979.9	1,979.9	0.0	0.0	372.4	144.9	0.0	0.0	27.5	27.5	3,247.0	2,977.9
U.S. Total	341,708.7	313,292.7	717,538.7	723,260.6	23,219.0	23,156.9	16,881.3	9,568.3	95,723.1	94,632.0	1,403.7	1,378.2	1,196,474.5	1,165,288.7

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, March 2024 and 2023 (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	
	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	1,575.7	1,575.7	2,680.6	2,291.3	0.0	0.0	1,950.5	1,950.4	1,249.0	1,253.4	0.0	0.0	7,455.8	7,070.8	5,337.0	4,491.8	8,017.6	6,783.1	8,017.6	6,783.1
Connecticut	5.0	5.0	299.5	272.9	0.0	0.0	119.2	119.2	139.6	139.6	0.0	0.0	563.3	536.7	1,027.8	850.8	1,327.3	1,123.7	1,327.3	1,123.7
Maine	1,029.5	1,029.5	493.7	297.8	0.0	0.0	725.8	725.8	488.6	488.6	0.0	0.0	2,737.6	2,541.7	610.9	361.0	1,104.6	658.8	1,104.6	658.8
Massachusetts	101.8	101.8	1,343.5	1,294.0	0.0	0.0	264.8	267.2	273.1	277.5	0.0	0.0	1,983.2	1,940.5	2,757.2	2,534.4	4,100.7	3,828.4	4,100.7	3,828.4
New Hampshire	211.9	211.9	2.4	2.4	0.0	0.0	506.5	504.0	225.8	225.8	0.0	0.0	946.6	944.1	246.0	195.1	248.4	197.5	248.4	197.5
Rhode Island	77.3	77.3	395.1	285.0	0.0	0.0	2.7	2.7	40.1	40.1	0.0	0.0	515.2	405.1	504.9	375.2	900.0	660.2	900.0	660.2
Vermont	150.2	150.2	146.4	139.2	0.0	0.0	331.5	331.5	81.8	81.8	0.0	0.0	709.9	702.7	190.2	175.2	336.6	314.4	336.6	314.4
Middle Atlantic	4,306.5	3,888.6	3,637.0	2,800.0	0.0	0.0	5,508.3	5,505.2	1,086.5	1,095.8	0.0	0.0	14,538.3	13,289.6	6,447.6	5,800.5	10,084.6	8,600.5	10,084.6	8,600.5
New Jersey	7.6	7.6	1,166.0	1,114.7	0.0	0.0	12.3	12.3	189.6	190.7	0.0	0.0	1,375.5	1,325.3	2,337.9	2,388.0	3,503.9	3,502.7	3,503.9	3,502.7
New York	2,746.3	2,421.0	1,741.5	1,468.1	0.0	0.0	4,566.5	4,563.3	455.3	455.3	0.0	0.0	9,509.6	8,907.7	3,076.2	2,718.7	4,817.7	4,186.8	4,817.7	4,186.8
Pennsylvania	1,552.6	1,460.0	729.5	217.2	0.0	0.0	929.5	929.6	441.6	449.8	0.0	0.0	3,653.2	3,056.6	1,033.5	693.8	1,763.0	911.0	1,763.0	911.0
East North Central	16,817.9	15,814.5	7,265.5	3,711.3	0.0	0.0	877.3	876.4	1,039.0	1,039.6	0.0	0.0	25,999.7	21,441.8	2,344.1	1,921.0	9,609.6	5,632.3	9,609.6	5,632.3
Illinois	7,873.7	7,294.4	1,215.5	925.0	0.0	0.0	32.9	32.9	55.2	55.2	0.0	0.0	9,177.3	8,307.5	1,200.6	1,015.6	2,416.1	1,940.6	2,416.1	1,940.6
Indiana	3,439.1	3,352.1	1,288.9	801.5	0.0	0.0	71.6	71.6	72.1	72.1	0.0	0.0	4,871.7	4,297.3	258.5	244.5	1,547.4	1,046.0	1,547.4	1,046.0
Michigan	3,577.1	3,336.1	975.2	727.7	0.0	0.0	263.8	263.8	488.7	489.3	0.0	0.0	5,304.8	4,816.9	237.8	200.9	1,213.0	928.6	1,213.0	928.6
Ohio	1,101.8	1,097.3	2,160.3	483.2	0.0	0.0	101.9	101.9	77.8	77.8	0.0	0.0	3,441.8	1,760.2	383.9	278.6	2,544.2	761.8	2,544.2	761.8
Wisconsin	826.2	734.6	1,625.6	773.9	0.0	0.0	407.1	406.2	345.2	345.2	0.0	0.0	3,204.1	2,259.9	263.2	181.5	1,888.8	955.4	1,888.8	955.4
West North Central	40,152.2	38,753.4	1,874.9	1,596.2	0.0	0.0	3,364.6	3,363.9	390.9	393.7	0.0	0.0	45,782.6	44,107.9	1,266.1	928.7	3,141.0	2,524.9	3,141.0	2,524.9
Iowa	12,802.9	12,602.9	315.0	260.5	0.0	0.0	209.4	209.4	20.6	20.6	0.0	0.0	13,347.9	13,093.4	312.5	236.7	627.5	497.2	627.5	497.2
Kansas	9,042.7	8,238.1	40.1	39.1	0.0	0.0	7.0	7.0	9.0	9.0	0.0	0.0	9,098.8	8,293.2	109.3	69.4	149.4	108.5	149.4	108.5
Minnesota	4,928.7	4,928.7	1,297.4	1,154.2	0.0	0.0	212.0	211.3	316.6	316.6	0.0	0.0	6,754.7	6,611.5	265.4	199.2	1,562.8	1,353.4	1,562.8	1,353.4
Missouri	2,374.9	2,374.9	100.8	100.8	0.0	0.0	548.5	548.5	14.0	14.0	0.0	0.0	3,038.2	3,038.2	533.6	392.4	634.4	493.2	634.4	493.2
Nebraska	3,518.3	3,518.3	40.6	40.6	0.0	0.0	279.7	279.7	15.5	15.5	0.0	0.0	3,854.1	3,854.1	39.3	27.7	79.9	68.3	79.9	68.3
North Dakota	4,320.1	4,323.3	0.0	0.0	0.0	0.0	510.0	510.0	9.8	12.6	0.0	0.0	4,839.9	4,845.9	1.6	1.6	1.6	1.6	1.6	1.6
South Dakota	3,164.6	2,767.2	81.0	1.0	0.0	0.0	1,598.0	1,598.0	5.4	5.4	0.0	0.0	4,849.0	4,371.6	4.3	1.7	85.3	2.7	85.3	2.7
South Atlantic	1,267.2	1,267.2	26,372.7	21,887.5	0.0	0.0	7,055.3	7,139.6	3,777.4	4,011.5	0.0	0.0	38,472.6	34,305.8	5,651.5	4,494.1	32,024.2	26,381.6	32,024.2	26,381.6
Delaware	2.0	2.0	89.4	89.5	0.0	0.0	0.0	0.0	14.2	14.2	0.0	0.0	105.6	105.7	143.2	121.1	232.6	210.6	232.6	210.6
District of Columbia	0.0	0.0	19.6	18.5	0.0	0.0	0.0	0.0	12.0	12.0	0.0	0.0	31.6	30.5	148.9	122.7	168.5	141.2	168.5	141.2
Florida	0.0	0.0	9,583.8	7,037.8	0.0	0.0	43.5	43.5	1,073.2	1,141.2	0.0	0.0	10,700.5	8,222.5	2,432.0	1,916.7	12,015.8	8,954.5	12,015.8	8,954.5
Georgia	0.0	0.0	4,123.0	3,635.9	0.0	0.0	1,985.0	1,985.0	1,004.5	1,011.6	0.0	0.0	7,112.5	6,632.5	NM	293.5	NM	3,929.4	NM	3,929.4
Maryland	190.0	190.0	602.4	520.1	0.0	0.0	514.9	590.0	139.9	139.9	0.0	0.0	1,447.2	1,440.0	1,094.0	970.3	1,696.4	1,490.4	1,696.4	1,490.4
North Carolina	208.0	208.0	6,690.8	6,237.1	0.0	0.0	2,010.5	2,008.7	372.1	436.5	0.0	0.0	9,281.4	8,890.3	500.3	424.8	7,191.1	6,661.9	7,191.1	6,661.9
South Carolina	0.0	0.0	1,571.5	1,491.6	0.0	0.0	1,294.0	1,305.0	362.7	450.7	0.0	0.0	3,228.2	3,247.3	400.6	354.5	1,972.1	1,846.1	1,972.1	1,846.1
Virginia	12.0	12.0	3,593.3	2,857.0	0.0	0.0	866.6	866.6	795.6	802.2	0.0	0.0	5,267.5	4,537.8	600.8	261.6	4,194.1	3,118.6	4,194.1	3,118.6
West Virginia	855.2	855.2	98.9	0.0	0.0	0.0	340.8	340.8	3.2	3.2	0.0	0.0	1,298.1	1,199.2	38.0	29.0	136.9	29.0	136.9	29.0
East South Central	29.1	29.1	1,708.5	1,382.0	0.0	0.0	7,037.8	7,037.8	1,134.5	1,166.4	0.0	0.0	9,909.9	9,615.3	180.7	147.8	1,889.2	1,529.8	1,889.2	1,529.8
Alabama	0.0	0.0	601.1	521.1	0.0	0.0	3,291.8	3,291.8	616.7	644.6	0.0	0.0	4,509.6	4,457.5	NM	NM	NM	NM	NM	NM
Kentucky	0.0	0.0	82.3	79.8	0.0	0.0	1,137.4	1,137.4	70.5	74.5	0.0	0.0	1,290.2	1,291.7	96.6	78.1	178.9	157.9	178.9	157.9
Mississippi	0.0	0.0	425.6	319.3	0.0	0.0	0.0	0.0	302.4	302.4	0.0	0.0	728.0	621.7	20.2	13.1	445.8	332.4	445.8	332.4
Tennessee	29.1	29.1	599.5	461.8	0.0	0.0	2,608.6	2,608.6	144.9	144.9	0.0	0.0	3,382.1	3,244.4	49.2	44.3	648.7	506.1	648.7	506.1
West South Central	53,774.3	51,790.6	18,155.8	11,996.7	0.0	0.0	3,013.0	3,016.1	1,078.4	1,088.0	0.0	0.0	76,021.5	67,891.4	3,529.9	2,627.1	21,685.7	14,623.8	21,685.7	14,623.8
Arkansas	0.0	0.0	820.9	331.2	0.0	0.0	1,265.2	1,265.2	227.0	227.0	0.0	0.0	2,313.1	1,823.4	266.5	221.0	1,087.4	552.2	1,087.4	552.2
Louisiana	0.0	0.0	344.5	144.5	0.0	0.0	192.0	192.0	422.1	422.1	0.0	0.0	958.6	758.6	223.9	170.0	568.4	314.5	568.4	314.5
Oklahoma	12,648.2	12,145.7	47.5	47.5	0.0	0.0	840.6	843.7	76.2	76.2	0.0	0.0	13,612.5	13,113.1	112.2	73.5	159.7	121.0	159.7	121.0
Texas	41,126.1	39,644.9	16,942.9	11,473.5	0.0	0.0	715.2	715.2	353.1	362.7	0.0	0.0	59,137.3	52,196.3	2,927.4	2,162.6	19,870.3	13,636.1	19,870.3	13,636.1
Mountain	17,164.8	16,157.8	14,149.4	10,208.6	474.2	474.2	10,567.4	10,609.2	176.2	174.4	756.3	719.3	43,288.3	38,343.5	5,728.9	4,948.0	19,878.3	15,156.6	20,352.5	15,630.8
Arizona	855.5	617.3	3,401.7	2,703.6	295.6	295.6	2,720.7	2,719.7	27.9	27.9	0.0	0.0	7,301.4	6,364.1	2,445.7	2,221.1	5,847.4	4,924.7	6,143.0	5,220.3
Colorado	5,336.7	5,137.7	2,173.4	1,308.6	0.0	0.0	689.7	689.7	28.7	28.7	0.0	0.0	8,228.5	7,164.7	1,099.3	903.8	3,272.7	2,212.4	3,272.7	2,212.4
Idaho	1,128.3	968.3	402.0	362.0	0.0	0.0	2,630.8	2,672.3	84.4	83.1	10.0	10.0	4,255.5	4,095.7	160.0	134.0	562.0	496.0	562.0	496.0
Montana	1,789.6	1,478.9	177.0	97.0	0.0	0.0	2,825.0	2,826.3	6.2	4.6	0.0	0.0	4,797.8	4,406.8	64.9	43.6	241.9	140.6	241.9	140.6
Nevada	150.0	150.0	4,558.3	3,248.5	178.5	178.5	1,051.7	1,051.7	9.8	9.8	667.0	630.0	6,615.3	5,268.5	1,002.4	817.4	5,560.7	4,065.9	5,739.2	4,244.4
New Mexico	4,409.0	4,409.0	1,434.2	855.7	0.0	0.0	82.7	82.7	6.4	7.5	8.6	8.6	5,940.9	5,363.5	397.0	329.5	1,831.2	1,185.2	1,831.2	1,185.2
Utah	389.7	389.7	1,910.8	1,541.2	0.1	0.1	259.7	259.7	12.8	12.8	70.7	70.7	2,643.8	2,274.2	540.4	482.2	2,451.2	2,023.4	2,451.3	2,023.5
Wyoming	3,106.0	3,006.9	92.0	92.0	0.0	0.0	307.1	307.1	0.0	0.0	0.0	0.0	3,505.1	3,406.0	19.3	16.3	111.3	108.3	111.3	108.3
Pacific Contiguous	13,562.6	13,496.9	20,505.1	17,641.2	1,006.9	1,005.8	40,117.9	40,084.7	1,687.1	1,743.3	1,943.3	1,886.3	78,822.9	75,858.2	17,912.6	15,486.6	38,417.7	33,127.8	39,424.6	34,133.6
California	6,211.2	6,145.5	19,300.2	16,659.1	1,006.9	1,005.8	10,225.9	10,263.3	1,117.0	1,118.2	1,923.8	1,866.8	39,785.0	37,058.7	17,058.0	14,785.1	36,358.2	31,444.2	37,365.1	32,450.0
Oregon	3,976.5	3,976.5	1,016.6	793.7	0.0	0.0	8,360.1	8,358.8	294.9	294.9	19.5	19.5	13,667.6	13,443.4	411.2	339.7	1,427.8	1,133.4	1,427.8	1,133.4
Washington	3,374.9	3,374.9	188.3	188.4	0.0	0.0	21,531.9	21,462.6	275.2	330.2	0.0	0.0	25,370.3	25,356.1	443.4	361.8	631.7	550.2	631.7	550.2
Pacific Noncontiguous	292.2	292.2	412.4	363.9	0.0	0.0	508.6	508.4	160.9	160.9	43.0	43.0	1,417.1	1,368.4	868.1	807.8	1,280.5	1,171.7	1,280.5	1,171.7
Alaska	59.0	59.0	7.7	0.8	0.0	0.0	476.2	476.0	7.0	7.0	0.0	0.0	549.9	542.8	20.5	16.7	28.2	17.5	28.2	17.5
Hawaii	233.2	233.2	404.7	363.1	0.0	0.0	32.4	32.4	153.9	153.9	43.0	43.0	867.2	825.6	847.6	791.1	1,252.3	1,154.2	1,252.3	1,154.2
U.S. Total	148,942.5	143,066.0	96,761.9	73,878.7	1,481.1	1,480.0	80,000.7	80,091.7	11,779.9	12,127.0	2,742.6	2,648.6	341,708.7	313,292.7	49,266.4	41,653.3	146,028.3	115,532.0	147,509.4	117,012.0

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, March 2024 and 2023 (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	
	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023	March 2024	March 2023
New England	14,245.8	14,331.8	1,568.2	1,581.8	683.9	681.8	533.9	533.9	0.0	0.0	5,418.4	5,582.4	0.0	0.0	22,450.2	22,711.7
Connecticut	3,923.0	3,919.4	584.0	587.6	571.2	557.2	0.0	0.0	0.0	0.0	2,208.7	2,372.4	0.0	0.0	7,286.9	7,436.6
Maine	1,285.7	1,279.7	181.8	181.8	0.0	0.0	0.0	0.0	0.0	0.0	844.7	844.7	0.0	0.0	2,312.2	2,306.2
Massachusetts	6,073.4	6,169.0	786.2	796.2	87.3	99.2	0.0	0.0	0.0	0.0	1,737.7	1,738.0	0.0	0.0	8,684.6	8,802.4
New Hampshire	1,228.5	1,228.5	3.8	3.8	0.0	0.0	533.9	533.9	0.0	0.0	494.2	494.2	0.0	0.0	2,260.4	2,260.4
Rhode Island	1,735.2	1,735.2	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	1,780.1
Vermont	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	126.0	126.0	0.0	0.0	126.0	126.0
Middle Atlantic	37,305.5	37,199.6	7,091.8	7,607.0	16,670.4	15,154.4	5,256.7	8,023.2	11.6	11.6	5,107.1	5,082.5	114.9	114.9	71,558.0	73,193.2
New Jersey	8,371.8	8,356.5	2,734.5	2,740.5	69.9	73.7	0.0	0.0	11.6	11.6	290.1	290.1	29.0	29.0	11,506.9	11,501.4
New York	9,908.9	9,903.0	2,459.0	2,915.7	9,962.7	9,946.9	0.0	0.0	0.0	0.0	3,479.6	3,473.9	0.0	0.0	25,810.2	26,239.5
Pennsylvania	19,024.8	18,940.1	1,898.3	1,950.8	6,637.8	5,133.8	5,256.7	8,023.2	0.0	0.0	1,337.4	1,318.5	85.9	85.9	34,240.9	35,452.3
East North Central	31,135.8	29,407.7	26,582.7	26,526.1	4,493.4	5,701.0	37,217.3	40,309.4	251.1	249.9	2,242.8	2,284.5	1,050.0	1,050.0	102,973.1	105,528.6
Illinois	5,823.1	4,688.4	10,425.0	10,375.9	373.0	1,723.0	6,694.5	6,853.5	0.0	0.0	659.9	663.5	36.5	36.5	24,012.0	24,340.8
Indiana	3,916.2	3,845.0	3,365.9	3,365.9	829.0	829.0	12,887.2	13,832.9	0.0	0.0	95.8	95.8	545.1	545.1	21,639.2	22,513.7
Michigan	7,365.6	7,365.6	3,896.0	3,896.0	2,540.5	2,540.5	5,801.9	6,287.9	47.2	47.2	405.3	435.3	250.0	250.0	20,306.5	20,822.5
Ohio	10,554.2	9,985.8	5,721.3	5,636.8	101.0	102.2	6,607.5	8,097.5	145.5	144.3	504.8	507.3	218.4	218.4	23,852.7	24,692.3
Wisconsin	3,476.7	3,522.9	3,174.5	3,251.5	649.9	506.3	5,226.2	5,237.6	58.4	58.4	577.0	582.6	0.0	0.0	13,162.7	13,159.3
West North Central	7,047.3	7,073.6	11,559.3	11,575.3	3,663.5	3,655.9	30,460.7	31,385.9	32.0	39.5	3,925.0	3,887.1	8.4	5.6	56,696.2	57,622.9
Iowa	1,741.9	1,752.5	1,070.5	1,113.4	751.2	729.1	4,846.3	5,074.6	32.0	39.5	937.3	935.8	0.0	0.0	9,379.2	9,644.9
Kansas	247.0	266.0	2,208.4	2,199.0	1,366.4	1,392.7	4,524.7	4,521.4	0.0	0.0	575.2	539.3	0.0	0.0	8,921.7	8,918.4
Minnesota	2,532.9	2,532.9	2,545.0	2,545.8	453.1	446.9	3,135.5	3,823.7	0.0	0.0	772.3	772.3	0.0	0.0	9,438.8	10,121.6
Missouri	1,892.5	1,889.2	3,280.8	3,261.0	391.6	391.6	9,714.2	9,714.2	0.0	0.0	1,007.0	1,005.7	0.0	0.0	16,286.1	16,261.7
Nebraska	338.0	338.0	1,106.9	1,106.9	523.0	517.4	3,839.6	3,845.6	0.0	0.0	361.0	359.1	0.0	0.0	6,168.5	6,167.0
North Dakota	0.0	0.0	454.0	454.0	106.8	106.8	3,925.4	3,931.4	0.0	0.0	58.1	60.0	8.4	5.6	4,552.7	4,557.8
South Dakota	295.0	295.0	893.7	895.2	71.4	71.4	475.0	475.0	0.0	0.0	214.1	214.9	0.0	0.0	1,949.2	1,951.5
South Atlantic	65,855.5	64,731.6	31,788.0	31,826.1	14,231.3	15,021.6	35,021.7	37,040.7	83.8	83.8	6,477.0	6,183.0	135.0	135.0	153,592.3	155,021.8
Delaware	1,496.0	1,496.0	314.0	314.0	723.8	723.8	410.0	410.0	0.0	0.0	111.1	111.1	135.0	135.0	3,189.9	3,189.9
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	35,712.0	34,608.0	8,805.2	8,834.0	5,201.3	5,201.3	3,989.7	4,615.7	0.0	0.0	1,631.4	1,631.4	0.0	0.0	55,339.6	54,890.4
Georgia	8,067.0	8,073.2	7,135.5	7,143.5	850.1	850.1	5,780.0	5,780.0	83.8	83.8	1,601.6	1,601.6	0.0	0.0	23,518.0	23,532.2
Maryland	2,745.8	2,766.0	1,675.7	1,675.7	1,210.1	1,210.1	1,453.0	1,758.0	0.0	0.0	1,637.5	1,332.5	0.0	0.0	8,722.1	8,742.3
North Carolina	5,579.0	5,579.0	6,002.5	6,002.5	4,665.7	4,665.7	4,552.0	4,594.0	0.0	0.0	501.4	501.4	0.0	0.0	21,300.6	21,342.6
South Carolina	3,252.0	3,237.2	2,502.7	2,497.0	883.0	883.0	4,749.0	4,789.0	0.0	0.0	242.6	244.6	0.0	0.0	11,629.3	11,650.8
Virginia	9,003.7	8,972.2	4,242.3	4,249.3	581.8	1,372.1	1,530.0	2,536.0	0.0	0.0	740.4	749.4	0.0	0.0	16,098.2	17,879.0
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	23,800.8	22,461.4	13,682.0	12,752.2	4,008.4	4,475.8	20,288.5	20,306.5	0.0	0.0	533.9	106.7	3.8	3.8	62,317.4	60,106.4
Alabama	11,172.2	9,828.3	3,307.8	2,644.8	1,879.6	1,852.7	4,728.0	4,728.0	0.0	0.0	42.6	42.6	3.8	3.8	21,134.0	19,100.2
Kentucky	1,789.0	1,763.0	5,599.6	4,905.6	483.0	483.0	9,162.0	9,180.0	0.0	0.0	11.9	11.9	0.0	0.0	17,045.5	16,343.5
Mississippi	8,384.5	8,415.0	1,369.3	1,369.3	1,512.3	2,006.6	1,444.0	1,444.0	0.0	0.0	9.0	9.0	0.0	0.0	12,719.1	13,243.9
Tennessee	2,455.1	2,455.1	3,405.3	3,832.5	133.5	133.5	4,954.5	4,954.5	0.0	0.0	470.4	43.2	0.0	0.0	11,418.8	11,418.8
West South Central	65,963.1	65,889.9	16,964.4	16,634.5	29,466.8	29,703.8	26,700.2	27,078.9	882.1	882.1	702.7	702.7	231.8	186.5	140,911.1	141,078.4
Arkansas	4,605.2	4,616.3	702.8	702.8	824.0	824.0	4,734.0	5,108.7	0.0	0.0	9.0	9.0	0.0	0.0	10,875.0	11,260.8
Louisiana	9,695.3	9,695.8	2,833.4	2,977.1	5,467.4	5,742.9	2,070.1	2,074.1	818.3	818.3	49.7	49.7	167.6	162.7	21,101.8	21,520.6
Oklahoma	8,954.6	8,922.9	1,650.2	1,643.0	5,881.1	5,881.1	3,244.5	3,244.5	0.0	0.0	66.4	66.4	0.0	0.0	19,796.8	19,757.9
Texas	42,708.0	42,654.9	11,778.0	11,311.6	17,294.3	17,255.8	16,651.6	16,651.6	63.8	63.8	577.6	577.6	64.2	23.8	89,137.5	88,539.1
Mountain	22,982.6	23,093.2	9,566.5	9,479.1	3,687.5	3,689.2	21,303.9	21,307.9	52.0	52.0	510.0	510.0	7.8	7.8	58,110.3	58,139.2
Arizona	10,119.6	10,193.6	3,084.8	3,084.8	1,097.6	1,097.6	2,943.0	2,943.0	0.0	0.0	268.5	268.5	0.0	0.0	17,513.5	17,587.5
Colorado	3,193.5	3,193.5	2,688.0	2,538.0	633.4	633.4	3,804.0	3,804.0	0.0	0.0	150.5	150.5	3.0	3.0	10,472.4	10,322.4
Idaho	558.4	595.0	565.1	627.7	16.7	16.7	0.0	0.0	0.0	0.0	5.4	5.4	0.0	0.0	1,145.6	1,244.8
Montana	0.0	0.0	315.8	315.8	72.2	72.2	1,626.5	1,630.5	52.0	52.0	0.0	0.0	1.5	1.5	2,068.0	2,072.0
Nevada	5,703.0	5,703.0	1,185.6	1,185.6	447.3	444.6	740.4	740.4	0.0	0.0	6.0	6.0	0.0	0.0	8,082.3	8,079.6
New Mexico	1,484.1	1,484.1	945.3	945.3	833.7	832.6	1,540.0	1,540.0	0.0	0.0	46.0	46.0	0.0	0.0	4,849.1	4,848.0
Utah	1,830.0	1,830.0	534.6	534.6	330.4	338.1	4,581.0	4,581.0	0.0	0.0	27.8	27.8	0.0	0.0	7,303.8	7,311.5
Wyoming	94.0	94.0	247.3	247.3	256.2	254.0	6,069.0	6,069.0	0.0	0.0	5.8	5.8	3.3	3.3	6,675.6	6,673.4
Pacific Contiguous	26,533.1	26,581.2	12,312.6	12,254.5	4,564.5	5,496.3	727.0	727.0	0.0	0.0	439.0	439.0	196.4	194.6	44,772.6	45,692.6
California	20,497.3	20,559.4	11,469.4	11,411.3	4,305.7	5,240.5	57.0	57.0	0.0	0.0	415.2	415.2	196.4	194.6	36,941.0	37,878.0
Oregon	3,409.2	3,395.2	124.0	124.0	229.2	229.2	0.0	0.0	0.0	0.0	6.6	6.6	0.0	0.0	3,769.0	3,755.0
Washington	2,626.6	2,626.6	719.2	719.2	29.6	26.6	670.0	670.0	0.0	0.0	17.2	17.2	0.0	0.0	4,062.6	4,059.6
Pacific Noncontiguous	374.6	374.6	708.5	721.1	174.4	174.4	167.9	167.9	0.0	0.0	2,732.1	2,727.8	0.0	0.0	4,157.5	4,165.8
Alaska	374.6	374.6	708.5	721.1	174.4	174.4	167.9	167.9	0.0	0.0	752.2	747.9	0.0	0.0	2,177.6	2,185.9
Hawaii	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,979.9	1,979.9	0.0	0.0	1,979.9	1,979.9
U.S. Total	295,244.1	291,144.6	131,824.0	130,957.7	81,644.1	83,754.2	177,677.8	186,881.3	1,312.6	1,318.9	28,088.0	27,505.7	1,748.1	1,698.2	717,538.7	723,260.6

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

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a significant portion of 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, 2024

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2024	1	62921	Arroyo Solar LLC	IPP	Arroyo Solar Energy Storage Hybrid	NM	63172	ARSOL	300.0	Solar Photovoltaic	SUN	PV
2024	1	65060	BPL Crown Solar LLC	IPP	BPL Crown Solar LLC	TX	64259	OCICR	100.0	Solar Photovoltaic	SUN	PV
2024	1	65489	Canyon Wind Project, LLC	IPP	Canyon Wind Project, LLC	TX	60271	WT1	308.8	Onshore Wind Turbine	WND	WT
2024	1	65311	Clearwater Wind East, LLC	IPP	Clearwater Wind East	MT	66183	CWE	207.9	Onshore Wind Turbine	WND	WT
2024	1	56769	Consolidated Edison Development Inc.	IPP	Mesquite Solar 4, LLC	AZ	65962	MS4	52.5	Solar Photovoltaic	SUN	PV
2024	1	56769	Consolidated Edison Development Inc.	IPP	Mesquite Solar 4, LLC	AZ	65962	MS4B	10.0	Batteries	MWH	BA
2024	1	61610	Delaware River Solar, LLC	IPP	Day Hollow Road Community Solar	NY	65826	1829	5.0	Solar Photovoltaic	SUN	PV
2024	1	62091	Derby Fuel Cell LLC	IPP	Derby Fuel Cell	CT	62588	MM45	2.8	Other Natural Gas	NG	FC
2024	1	62091	Derby Fuel Cell LLC	IPP	Derby Fuel Cell	CT	62588	MM46	2.8	Other Natural Gas	NG	FC
2024	1	62091	Derby Fuel Cell LLC	IPP	Derby Fuel Cell	CT	62588	MM47	2.8	Other Natural Gas	NG	FC
2024	1	62091	Derby Fuel Cell LLC	IPP	Derby Fuel Cell	CT	62588	MM48	2.8	Other Natural Gas	NG	FC
2024	1	62091	Derby Fuel Cell LLC	IPP	Derby Fuel Cell	CT	62588	MM49	2.8	Other Natural Gas	NG	FC
2024	1	6452	Florida Power & Light Co	Electric Utility	Beautyberry	FL	65874	1	74.5	Solar Photovoltaic	SUN	PV
2024	1	6452	Florida Power & Light Co	Electric Utility	Caloosahatchee	FL	65871	1	74.5	Solar Photovoltaic	SUN	PV
2024	1	6452	Florida Power & Light Co	Electric Utility	Canoe	FL	65866	1	74.5	Solar Photovoltaic	SUN	PV
2024	1	6452	Florida Power & Light Co	Electric Utility	Ibis	FL	65877	1	74.5	Solar Photovoltaic	SUN	PV
2024	1	6452	Florida Power & Light Co	Electric Utility	Monarch	FL	65872	1	74.5	Solar Photovoltaic	SUN	PV
2024	1	6452	Florida Power & Light Co	Electric Utility	Orchard	FL	65925	1	74.5	Solar Photovoltaic	SUN	PV
2024	1	6452	Florida Power & Light Co	Electric Utility	Pineapple	FL	65865	1	74.5	Solar Photovoltaic	SUN	PV
2024	1	6452	Florida Power & Light Co	Electric Utility	Prairie Creek FL	FL	65868	1	74.5	Solar Photovoltaic	SUN	PV
2024	1	6452	Florida Power & Light Co	Electric Utility	Silver Palm	FL	65878	1	74.5	Solar Photovoltaic	SUN	PV
2024	1	6452	Florida Power & Light Co	Electric Utility	Terrill Creek	FL	65882	1	74.5	Solar Photovoltaic	SUN	PV
2024	1	6452	Florida Power & Light Co	Electric Utility	Turnpike	FL	65873	1	74.5	Solar Photovoltaic	SUN	PV
2024	1	6452	Florida Power & Light Co	Electric Utility	White Tail	FL	65869	1	74.5	Solar Photovoltaic	SUN	PV
2024	1	62856	Forefront Power, LLC	IPP	CA - DGS RFP - RJ Donovan State Prison	CA	65104	15111	2.0	Solar Photovoltaic	SUN	PV
2024	1	62856	Forefront Power, LLC	IPP	CA-DGS RFP-Pleasant Valley State Prison	CA	65526	15112	2.0	Solar Photovoltaic	SUN	PV
2024	1	65479	Goleta Energy Storage, LLC	IPP	Goleta Energy Storage, LLC	CA	66394	GOLET	60.0	Batteries	MWH	BA
2024	1	60025	Greenbacker Renewable Energy Corporation	IPP	Appaloosa Solar I	UT	65678	AS1A	120.0	Solar Photovoltaic	SUN	PV
2024	1	60025	Greenbacker Renewable Energy Corporation	IPP	Appaloosa Solar I	UT	65678	AS1B	80.0	Solar Photovoltaic	SUN	PV
2024	1	65076	HEN Infrastructure, L.L.C.	IPP	Val Verde	TX	65837	VALVR	9.9	Batteries	MWH	BA
2024	1	24205	HF Sinclair Parco Refining LLC	Industrial	Sinclair Oil Refinery	WY	54374	NO7	2.2	Natural Gas Internal Combustion Engine	NG	IC
2024	1	65181	House Mountain	IPP	House Mountain	TX	66006	BA	63.0	Batteries	MWH	BA
2024	1	64927	IP Lumina II, LLC	IPP	Lumina II Solar Project	TX	65644	LUMII	321.0	Solar Photovoltaic	SUN	PV
2024	1	64924	IP Lumina, LLC	IPP	Lumina Solar Project	TX	65645	LUMIN	320.0	Solar Photovoltaic	SUN	PV
2024	1	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Arche Energy Project, LLC	OH	65402	ARCHE	107.0	Solar Photovoltaic	SUN	PV
2024	1	64511	MN CSG 2019-21 LLC	IPP	Hultman CSG	MN	65101	HLTMN	1.0	Solar Photovoltaic	SUN	PV
2024	1	12796	Monongahela Power Co	Electric Utility	Fort Martin Solar	WV	66898	FTMS	18.9	Solar Photovoltaic	SUN	PV
2024	1	61227	Nautilus Solar Solutions	IPP	SolarClub 30 (CSG)	MN	67332	SC	1.0	Solar Photovoltaic	SUN	PV
2024	1	65580	Pioneer Hutt Wind Energy, LLC	IPP	Pioneer Hutt Wind Energy	TX	66531	WPION	140.0	Onshore Wind Turbine	WND	WT
2024	1	65577	Potsdam Community Solar 2, LLC	IPP	NY Potsdam 28 Hamilton St. Solar	NY	66530	21013	4.4	Solar Photovoltaic	SUN	PV
2024	1	59216	S.C. Johnson & Son, Inc.	Industrial	Waxdale	WI	59448	SITEA	1.3	Solar Photovoltaic	SUN	PV
2024	1	59216	S.C. Johnson & Son, Inc.	Industrial	Waxdale	WI	59448	SITEB	0.4	Solar Photovoltaic	SUN	PV
2024	1	59216	S.C. Johnson & Son, Inc.	Industrial	Waxdale	WI	59448	SITEC	0.4	Solar Photovoltaic	SUN	PV
2024	1	65560	SOL ME Augusta 13 York Farm, LLC	IPP	ME Augusta 13 York Farm Rd Solar	ME	66512	18196	1.0	Solar Photovoltaic	SUN	PV
2024	1	17058	Shell Wind Energy Inc.	IPP	Madison Fields Solar Project, LLC	OH	66198	USMDF	180.0	Solar Photovoltaic	SUN	PV
2024	1	59573	Solar Star Prime 3, LLC	IPP	Amazon Bakersfield 1 Solar Project	CA	65562	ABFSP	4.2	Solar Photovoltaic	SUN	PV
2024	1	59573	Solar Star Prime 3, LLC	IPP	Amazon Bakersfield 1 Solar Project	CA	65562	ABSBA	1.6	Batteries	MWH	BA
2024	1	65173	United States Solar Corporation	IPP	USS Martha Solar (CSG)	MN	66477	USMAS	1.0	Solar Photovoltaic	SUN	PV
2024	1	63961	White Rock Wind East, LLC	IPP	White Rock East Wind Project	OK	64341	WRE	201.5	Onshore Wind Turbine	WND	WT
2024	2	65576	AC Power 14, LLC	IPP	NY Lancaster Gunnville Rd Site 1 Solar CSG	NY	66528	18237	5.0	Solar Photovoltaic	SUN	PV
2024	2	65576	AC Power 14, LLC	IPP	NY Lancaster Shisler Rd Site 2 Solar CSG	NY	66529	21013	5.2	Solar Photovoltaic	SUN	PV
2024	2	65061	BPL Sol Solar LLC	IPP	BPL Sol Solar LLC	TX	64260	OCISO	100.0	Solar Photovoltaic	SUN	PV
2024	2	61717	Birch Solar	IPP	Birch Solar	SC	62185	27	2.0	Solar Photovoltaic	SUN	PV
2024	2	65677	Dimension Energy LLC	IPP	Prince Edward CSG LLC	VA	67139	PRINC	4.0	Solar Photovoltaic	SUN	PV
2024	2	65677	Dimension Energy LLC	IPP	White Stone Ocran Solar LLC Community Solar	VA	67138	WHITE	5.0	Solar Photovoltaic	SUN	PV
2024	2	64872	Distributed Solar Development, LLC	IPP	FFP - NY Werner CSG	NY	66829	P5650	5.0	Solar Photovoltaic	SUN	PV
2024	2	65054	Easton CSG 1 LLC	IPP	Easton CSG 1 LLC	ME	65798	ESTON	1.3	Solar Photovoltaic	SUN	PV
2024	2	60025	Greenbacker Renewable Energy Corporation	IPP	Hay River (Dunn 1)	WI	66993	717	1.5	Solar Photovoltaic	SUN	PV
2024	2	60025	Greenbacker Renewable Energy Corporation	IPP	Popple Creek (Clark 1)	WI	66995	715	2.0	Solar Photovoltaic	SUN	PV
2024	2	60025	Greenbacker Renewable Energy Corporation	IPP	Trimbelle (Pierce Pepin)	WI	67054	705	2.0	Solar Photovoltaic	SUN	PV
2024	2	60025	Greenbacker Renewable Energy Corporation	IPP	Walleye (Dunn 2)	WI	66994	720	1.5	Solar Photovoltaic	SUN	PV
2024	2	60025	Greenbacker Renewable Energy Corporation	IPP	Wolf River (Chipewa 1)	WI	67057	707	1.5	Solar Photovoltaic	SUN	PV
2024	2	65076	HEN Infrastructure, L.L.C.	IPP	Hamilton BESS	TX	66782	HAMIL	9.9	Batteries	MWH	BA
2024	2	63959	Horizon Hill Wind, LLC	IPP	Horizon Hill Wind Project	OK	64339	HHILL	201.5	Onshore Wind Turbine	WND	WT

Table 6.3. New Utility Scale Generating Units by Operating Company, Plant, and Month, 2024

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	2	9417	Interstate Power and Light Co	Electric Utility	Cedar Rapids Community Solar	IA	67089	PV1	4.5	Solar Photovoltaic	SUN	PV
2024	2	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Cottontail Solar 2	PA	65077	PACT2	20.0	Solar Photovoltaic	SUN	PV
2024	2	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Cottontail Solar 5	PA	65080	PACT5	20.0	Solar Photovoltaic	SUN	PV
2024	2	65785	Luminace Sunbeam Development Holdings, LLC	IPP	ME Novel Lighthouse - Huggard Ave Solar CSG	ME	66833	HUG	2.5	Solar Photovoltaic	SUN	PV
2024	2	61944	MN8 Energy LLC	IPP	NY8 - Teichos Pattersonville	NY	65840	GEN1	20.0	Solar Photovoltaic	SUN	PV
2024	2	61944	MN8 Energy LLC	IPP	Summit - Cicero	NY	66273	GEN1	5.0	Solar Photovoltaic	SUN	PV
2024	2	11479	Madison Gas & Electric Co	Electric Utility	Tyto Solar	WI	67196	1	6.0	Solar Photovoltaic	SUN	PV
2024	2	61153	Montevue Lane Solar, LLC	IPP	Fort Detrick Solar PV	MD	61552	FDSBS	6.0	Batteries	MWH	BA
2024	2	65574	NYSolar03 LLC	IPP	NY Geneseo 3240 W Lake Rd Solar	NY	66526	19372	5.0	Solar Photovoltaic	SUN	PV
2024	2	64358	New Market Solar	IPP	New Market Solar	OH	64853	NMS2	65.0	Solar Photovoltaic	SUN	PV
2024	2	64371	RPNY Solar 3, LLC	IPP	Slayton Settlement Road Solar CSG	NY	64867	SLYTA	5.0	Solar Photovoltaic	SUN	PV
2024	2	63639	Rocket Solar, LLC	IPP	Rocket Solar, LLC	UT	63983	RS	80.0	Solar Photovoltaic	SUN	PV
2024	2	66150	TJA-NY-11202 Ridge Rd Medina, LLC	IPP	Source Power NY III - Medina II (CSG)	NY	66259	P5646	5.0	Solar Photovoltaic	SUN	PV
2024	2	64932	Texas Solar Nova 2, LLC	IPP	Texas Solar Nova 2	TX	65660	TSN2	200.0	Solar Photovoltaic	SUN	PV
2024	2	65755	VESI 23 LLC	IPP	Justin Court Energy Storage	NJ	66758	JC1	20.0	Batteries	MWH	BA
2024	3	64904	AES Clean Energy	IPP	Westport Stone & Sand Solar (CSG)	MA	66447	WESTP	5.0	Solar Photovoltaic	SUN	PV
2024	3	61012	AES Distributed Energy	IPP	AES West Oahu Solar Hybrid	HI	64656	UHBES	12.5	Batteries	MWH	BA
2024	3	61012	AES Distributed Energy	IPP	AES West Oahu Solar Hybrid	HI	64656	UHWO	12.5	Solar Photovoltaic	SUN	PV
2024	3	64996	Arica Solar, LLC	IPP	Arica Solar	CA	65744	ARCBA	136.0	Batteries	MWH	BA
2024	3	64996	Arica Solar, LLC	IPP	Arica Solar	CA	65744	ARCPV	263.0	Solar Photovoltaic	SUN	PV
2024	3	58939	Cameron Wind 1 LLC	IPP	Cameron Wind 1 LLC	TX	59118	SABAL	16.4	Batteries	MWH	BA
2024	3	64624	Cedar Creek Wind, LLC	IPP	Cedar Creek Wind, LLC	ID	65311	CDCRK	160.0	Onshore Wind Turbine	WND	WT
2024	3	3913	City of Colby - (KS)	Electric Utility	Colby City of	KS	1272	9	3.0	Petroleum Liquids	DFO	IC
2024	3	65677	Dimension Energy LLC	IPP	Visalia CSG LLC	CA	66677	VISAL	3.0	Solar Photovoltaic	SUN	PV
2024	3	6455	Duke Energy Florida, LLC	Electric Utility	Mule Creek Renewable Energy Center	FL	65501	PV1	74.9	Solar Photovoltaic	SUN	PV
2024	3	6455	Duke Energy Florida, LLC	Electric Utility	Winquepin Renewable Energy Center	FL	66553	PV1	74.9	Solar Photovoltaic	SUN	PV
2024	3	59380	Enel Green Power NA, Inc.	IPP	Ganado Solar	TX	67284	GBA	70.5	Batteries	MWH	BA
2024	3	6452	Florida Power & Light Co	Electric Utility	Big Juniper Solar	FL	65862	1	74.5	Solar Photovoltaic	SUN	PV
2024	3	6452	Florida Power & Light Co	Electric Utility	Fourmile Creek	FL	65927	1	74.5	Solar Photovoltaic	SUN	PV
2024	3	6452	Florida Power & Light Co	Electric Utility	Hawthorne Creek	FL	65926	1	74.5	Solar Photovoltaic	SUN	PV
2024	3	6452	Florida Power & Light Co	Electric Utility	Nature Trail	FL	65924	1	74.5	Solar Photovoltaic	SUN	PV
2024	3	6452	Florida Power & Light Co	Electric Utility	Pecan Tree	FL	65879	1	74.5	Solar Photovoltaic	SUN	PV
2024	3	6452	Florida Power & Light Co	Electric Utility	Sambucus	FL	65864	1	74.5	Solar Photovoltaic	SUN	PV
2024	3	6452	Florida Power & Light Co	Electric Utility	Sparkleberry	FL	65867	1	74.5	Solar Photovoltaic	SUN	PV
2024	3	6452	Florida Power & Light Co	Electric Utility	Three Creeks	FL	65863	1	74.5	Solar Photovoltaic	SUN	PV
2024	3	6452	Florida Power & Light Co	Electric Utility	Wild Quail	FL	65910	1	74.5	Solar Photovoltaic	SUN	PV
2024	3	6452	Florida Power & Light Co	Electric Utility	Woodyard	FL	65875	1	74.5	Solar Photovoltaic	SUN	PV
2024	3	62856	Forefront Power, LLC	IPP	CA-DGS- RFP-Correctional Training Fac	CA	65524	14069	1.6	Solar Photovoltaic	SUN	PV
2024	3	62856	Forefront Power, LLC	IPP	Grossmont-Cuyamaca-Cuyamaca Col. Solar &	CA	66023	18009	1.4	Solar Photovoltaic	SUN	PV
2024	3	62856	Forefront Power, LLC	IPP	Grossmont-Cuyamaca-Cuyamaca Col. Solar &	CA	66023	19043	1.0	Batteries	MWH	BA
2024	3	63117	Gemini Solar	IPP	Gemini Solar	NV	63352	ARBE1	690.0	Solar Photovoltaic	SUN	PV
2024	3	63117	Gemini Solar	IPP	Gemini Solar	NV	63352	ARPV1	380.0	Batteries	MWH	BA
2024	3	63545	Golden Field Solar III, LLC	IPP	Golden Field Solar III, LLC	CA	63859	RCBA	147.0	Batteries	MWH	BA
2024	3	65575	Grand Island Sunrise LLC	IPP	NY Grand Island 871 Whitehaven Rd Solar	NY	66527	21011	5.0	Solar Photovoltaic	SUN	PV
2024	3	60025	Greenbacker Renewable Energy Corporation	IPP	Athens Ridge	ME	66832	574	2.9	Solar Photovoltaic	SUN	PV
2024	3	60025	Greenbacker Renewable Energy Corporation	IPP	Ogema	WI	67055	706	1.4	Solar Photovoltaic	SUN	PV
2024	3	65076	HEN Infrastructure, L.L.C.	IPP	Diboll BESS	TX	66794	DIBOL	9.9	Batteries	MWH	BA
2024	3	65076	HEN Infrastructure, L.L.C.	IPP	Garden City East BESS	TX	66791	GRDNE	9.9	Batteries	MWH	BA
2024	3	65076	HEN Infrastructure, L.L.C.	IPP	Judkins BESS	TX	66790	JUDKS	9.9	Batteries	MWH	BA
2024	3	65076	HEN Infrastructure, L.L.C.	IPP	Lufkin South BESS	TX	66789	LUFKS	9.9	Batteries	MWH	BA
2024	3	65076	HEN Infrastructure, L.L.C.	IPP	Mineral Wells East BESS	TX	66788	MNWLE	9.9	Batteries	MWH	BA
2024	3	65076	HEN Infrastructure, L.L.C.	IPP	Pauline BESS	TX	66784	PAULN	9.9	Batteries	MWH	BA
2024	3	8366	Heber Light & Power Company	Electric Utility	Heber City	UT	7111	14	2.2	Natural Gas Internal Combustion Engine	NG	IC
2024	3	65400	Horus West Virginia 1, LLC	IPP	Blake Solar Plant	WV	66276	US620	80.0	Solar Photovoltaic	SUN	PV
2024	3	9417	Interstate Power and Light Co	Electric Utility	Duane Arnold Solar I (50 MW)	IA	67140	PV1	50.0	Solar Photovoltaic	SUN	PV
2024	3	66099	Jade Meadow LLC	IPP	Jade Meadow LLC	MD	67214	JMS01	19.8	Solar Photovoltaic	SUN	PV
2024	3	62836	Navisun LLC	IPP	Acushnet MA 2 (CSG)	MA	64707	ACNT2	1.0	Solar Photovoltaic	SUN	PV
2024	3	64507	North Haven Solar One, LLC	IPP	North Haven Solar One	CT	65109	VCP11	1.6	Solar Photovoltaic	SUN	PV
2024	3	59254	NuGen Capital Management	IPP	Bristol Landfill Solar	RI	65142	BL1	5.0	Solar Photovoltaic	SUN	PV
2024	3	61298	Pine Gate Renewables	IPP	Pleasant Hill PV1	NC	63787	PHILL	20.0	Solar Photovoltaic	SUN	PV
2024	3	64371	RPNY Solar 3, LLC	IPP	Slayton Settlement Road Solar CSG	NY	64867	SLYTB	2.0	Solar Photovoltaic	SUN	PV
2024	3	66163	SR Canadaville, LLC	IPP	SR Canadaville, LLC	TN	67298	CANAD	16.0	Solar Photovoltaic	SUN	PV
2024	3	63781	SR North Stonington, LLC	IPP	SR North Stonington	CT	64160	STONE	12.0	Solar Photovoltaic	SUN	PV
2024	3	16609	San Diego Gas & Electric Co	Electric Utility	Boulevard Energy Storage	CA	66279	1	10.0	Batteries	MWH	BA

Table 6.3. New Utility Scale Generating Units by Operating Company, Plant, and Month, 2024

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	3	16609	San Diego Gas & Electric Co	Electric Utility	Clairemont Energy Storage	CA	66266	1	10.0	Batteries	MWH	BA
2024	3	16609	San Diego Gas & Electric Co	Electric Utility	Elliott Energy Storage	CA	66278	1	10.0	Batteries	MWH	BA
2024	3	16609	San Diego Gas & Electric Co	Electric Utility	Melrose BESS	CA	66281	1	10.0	Batteries	MWH	BA
2024	3	16609	San Diego Gas & Electric Co	Electric Utility	Melrose BESS	CA	66281	2	10.0	Batteries	MWH	BA
2024	3	16609	San Diego Gas & Electric Co	Electric Utility	Pala Gomez Creek BESS	CA	66280	1	10.0	Batteries	MWH	BA
2024	3	16609	San Diego Gas & Electric Co	Electric Utility	Paradise Energy Storage	CA	66265	1	10.0	Batteries	MWH	BA
2024	3	64994	SolRiver Capital LLC	IPP	Auburn Solar LLC (CSG)	OR	66378	PV1	2.9	Solar Photovoltaic	SUN	PV
2024	3	64994	SolRiver Capital LLC	IPP	Gray Fox Solar LLC	NC	66377	PV1	5.0	Solar Photovoltaic	SUN	PV
2024	3	64994	SolRiver Capital LLC	IPP	Harding Solar, LLC	NC	67053	PV1	3.0	Solar Photovoltaic	SUN	PV
2024	3	64994	SolRiver Capital LLC	IPP	Sheridan Solar LLC (CSG)	OR	66354	PV1	3.0	Solar Photovoltaic	SUN	PV
2024	3	64994	SolRiver Capital LLC	IPP	Sunflower Solar LLC	SC	67051	PV1	10.0	Solar Photovoltaic	SUN	PV
2024	3	64994	SolRiver Capital LLC	IPP	Washington Solar	NC	60948	PV1	5.0	Solar Photovoltaic	SUN	PV
2024	3	64994	SolRiver Capital LLC	IPP	Whitehall Solar LLC	SC	67052	PV1	2.0	Solar Photovoltaic	SUN	PV
2024	3	65426	St. Gall Energy Storage I	IPP	St. Gall Energy Storage I	TX	66336	SGES1	100.0	Batteries	MWH	BA
2024	3	64995	Victory Pass I, LLC	IPP	Victory Pass	CA	65743	VCTBA	50.0	Batteries	MWH	BA
2024	3	64995	Victory Pass I, LLC	IPP	Victory Pass	CA	65743	VCTPV	200.0	Solar Photovoltaic	SUN	PV
2024	3	65014	Waco Solar, LLC	IPP	Waco Solar	TX	65762	SWACO	400.0	Solar Photovoltaic	SUN	PV

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

Table 6.4. Retired Utility Scale Generating Units by Operating Company, Plant, and Month, 2024

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2024	1	3477	City of Chicopee - (MA)	Electric Utility	Chicopee Hydroelectric Station	MA	50832	1	1.2	Conventional Hydroelectric	WAT	HY
2024	1	3477	City of Chicopee - (MA)	Electric Utility	Chicopee Hydroelectric Station	MA	50832	2	1.2	Conventional Hydroelectric	WAT	HY
2024	1	57033	City of Palo Alto	Electric Utility	City of Palo Alto	CA	57714	GEN1	1.1	Natural Gas Internal Combustion Engine	NG	IC
2024	1	57033	City of Palo Alto	Electric Utility	City of Palo Alto	CA	57714	GEN2	1.1	Natural Gas Internal Combustion Engine	NG	IC
2024	1	57033	City of Palo Alto	Electric Utility	City of Palo Alto	CA	57714	GEN3	1.1	Natural Gas Internal Combustion Engine	NG	IC
2024	1	57033	City of Palo Alto	Electric Utility	City of Palo Alto	CA	57714	GEN4	1.1	Natural Gas Internal Combustion Engine	NG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E1	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E10	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E11	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E12	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E13	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E14	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E15	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E16	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E17	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E18	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E19	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E2	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E20	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E21	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E22	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E23	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E24	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E25	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E26	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E27	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E28	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E29	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E3	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E30	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E4	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E5	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E6	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E7	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E8	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E9	0.3	Landfill Gas	LFG	IC
2024	1	58183	J.R. Simplot Company	Industrial	J.R. Simplot Company	CA	58216	1	3.2	All Other	WH	ST
2024	1	21554	Seminole Electric Cooperative Inc	Electric Utility	Seminole (FL)	FL	136	1	626.0	Conventional Steam Coal	BIT	ST
2024	1	2144	Town of Braintree - (MA)	Electric Utility	Potter Station 2	MA	1660	CC2	62.6	Natural Gas Fired Combined Cycle	NG	CT
2024	1	2144	Town of Braintree - (MA)	Electric Utility	Potter Station 2	MA	1660	CC3	15.5	Natural Gas Fired Combined Cycle	NG	CA
2024	3	13143	Board of Water Electric & Communications	Electric Utility	Muscatine Plant #1	IA	1167	8A	14.5	Conventional Steam Coal	SUB	ST
2024	3	1278	City of Barron - (WI)	Electric Utility	Barron	WI	4102	7	0.6	Petroleum Liquids	DFO	IC
2024	3	17828	City of Springfield - (IL)	Electric Utility	Dallman	IL	963	3	159.0	Conventional Steam Coal	BIT	ST
2024	3	6035	Constellation Power, Inc	IPP	Southeast Chicago Energy Project	IL	55281	GT05	37.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	3	6035	Constellation Power, Inc	IPP	Southeast Chicago Energy Project	IL	55281	GT06	37.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	3	6035	Constellation Power, Inc	IPP	Southeast Chicago Energy Project	IL	55281	GT07	37.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	3	6035	Constellation Power, Inc	IPP	Southeast Chicago Energy Project	IL	55281	GT08	37.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	3	6035	Constellation Power, Inc	IPP	Southeast Chicago Energy Project	IL	55281	GT09	37.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	3	6035	Constellation Power, Inc	IPP	Southeast Chicago Energy Project	IL	55281	GT10	37.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	3	6035	Constellation Power, Inc	IPP	Southeast Chicago Energy Project	IL	55281	GT11	37.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	3	6035	Constellation Power, Inc	IPP	Southeast Chicago Energy Project	IL	55281	GT12	37.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	3	11241	Entergy Louisiana LLC	Electric Utility	Waterford 1 & 2	LA	8056	1	409.5	Natural Gas Steam Turbine	NG	ST
2024	3	57281	University of Cincinnati	Commercial	East Campus Utility Plant	OH	57929	STG	1.2	Natural Gas Steam Turbine	NG	ST

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

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2024	4	63830	7V Solar Ranch, LLC	IPP	7V Solar Ranch	TX	64239	7V1	240.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	240.0
2024	4	64904	AES Clean Energy	IPP	Big Spring Solar	MD	66868	BIGSP	2.1	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	4	64904	AES Clean Energy	IPP	Cavalier Solar	VA	67420	CAVPV	155.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	155.6
2024	4	64904	AES Clean Energy	IPP	Chevelon Butte Phase 2	AZ	67176	CHVB2	216.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	216.0
2024	4	64904	AES Clean Energy	IPP	Delta Wind Farm (MS)	MS	66000	DLTA	184.5	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	184.5
2024	4	64904	AES Clean Energy	IPP	High Mesa CO	CO	67323	HMESS	10.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	11.2
2024	4	64904	AES Clean Energy	IPP	High Mesa CO	CO	67323	HMSCO	10.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	11.2
2024	4	64532	ASA Clayton NY Solar I LLC	IPP	ASA Clayton NY Solar I LLC	NY	65161	CLA1	1.3	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.3
2024	4	64484	ASA DeKalb NY Solar III LLC	IPP	ASA DeKalb NY Solar III LLC	NY	65067	DEK3	3.3	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.3
2024	4	64529	ASA Gouverneur NY Solar I LLC	IPP	ASA Gouverneur NY Solar I LLC	NY	65157	GOV1	1.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.5
2024	4	64530	ASA Gouverneur NY Solar II LLC	IPP	ASA Gouverneur NY Solar II LLC	NY	65158	GOV2	4.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.0
2024	4	64446	ASD Cotuit MA Solar LLC	IPP	ASD Cotuit MA Solar LLC	MA	65014	COT1B	2.5	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	2.5
2024	4	15399	Avangrid Renewables LLC	IPP	Bakeoven Solar	OR	63507	BOS1	60.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	60.0
2024	4	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
2024	4	65654	Birch Creek Development	IPP	Earp Solar, LLC	IL	66631	PV	35.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	35.0
2024	4	65271	Blue Elk II Solar, LLC	IPP	Blue Elk II Solar, LLC	MI	66105	BEII	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2024	4	65937	CPV Stagecoach Solar, LLC	IPP	CPV Stagecoach Solar	GA	67021	SC1	80.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	80.0
2024	4	65591	Cane Creek Solar, LLC	IPP	Cane Creek	MS	66543	PGRCC	78.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	78.5
2024	4	64307	Castle Solar, LLC	IPP	Castle Solar, LLC	UT	64740	CS	40.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	40.0
2024	4	65514	Catalyze Manteca 730 Spreckels Avenue Microgrid LLC	IPP	CA Manteca 730 Spreckels Ave	CA	66509	18259	1.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.5
2024	4	65514	Catalyze Manteca 730 Spreckels Avenue Microgrid LLC	IPP	CA Manteca 730 Spreckels Ave	CA	66509	B8259	1.5	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	1.5
2024	4	65513	Catalyze Mira Loma 3251 De Forest Circle Microgrid LLC	IPP	CA Jurupa Valley 3251 De Forest Circle	CA	66476	18268	4.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	4.5
2024	4	65308	Cattlemen Solar Park LLC	IPP	Cattlemen Solar Park	TX	66168	GEN01	240.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	240.0
2024	4	20141	City of Washington - (KS)	Electric Utility	Washington	KS	1329	10	2.0	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	2.1
2024	4	20141	City of Washington - (KS)	Electric Utility	Washington	KS	1329	9	2.0	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	2.1
2024	4	65397	Condor Energy Storage LLC	IPP	Condor Energy Storage LLC	CA	66285	COND1	200.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	200.0
2024	4	4254	Consumers Energy Co - (MI)	IPP	Heartland Farms	MI	66192	65014	200.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	200.0
2024	4	34359	Curators of the University of Missouri	Commercial	MU Combined Heat and Power Plant	MO	50969	GEN10	8.0	Natural Gas Steam Turbine	NG	ST	(V) Under construction, more than 50 percent complete	9.0
2024	4	61060	Cypress Creek Renewables	IPP	Zier Solar	TX	66137	11023	40.4	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	40.4
2024	4	61060	Cypress Creek Renewables	IPP	Zier Solar	TX	66137	41195	160.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	160.0
2024	4	65677	Dimension Energy LLC	IPP	Augusta CSG, LLC	VA	67529	AUGUS	2.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.9
2024	4	65677	Dimension Energy LLC	IPP	Suffolk CSG, LLC	VA	67531	SUFFO	3.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.8
2024	4	65677	Dimension Energy LLC	IPP	Waynesboro Bridge Solar, LLC	VA	67530	WAYNE	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	4	64872	Distributed Solar Development, LLC	IPP	FFP - NY Burch	NY	66827	P5651	2.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.5
2024	4	64872	Distributed Solar Development, LLC	IPP	Harrah's Atlantic City - POI 2 (Self Par	NJ	66831	P5614	1.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.8
2024	4	58468	Dominion Renewable Energy	IPP	Atlanta Farms Solar	OH	65128	43164	199.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	199.6
2024	4	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
2024	4	65018	East Point Energy Center, LLC	IPP	East Point Energy Center, LLC	NY	65805	EP01	50.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	50.0
2024	4	64306	Elektron Solar, LLC	IPP	Elektron Solar, LLC	UT	64739	ELKS	80.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	80.0
2024	4	65556	EnerSmart Chula Vista Sub Station	IPP	EnerSmart Chula Vista Sub Station	CA	66505	CV150	3.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	3.0
2024	4	65556	EnerSmart Chula Vista Sub Station	IPP	EnerSmart Chula Vista Sub Station	CA	66505	CV151	3.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	3.0
2024	4	56201	Engie North America	IPP	Cascade Energy Storage, LLC	CA	61801	10002	25.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	25.0
2024	4	56201	Engie North America	IPP	Dickens	TX	65489	DIKNS	200.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	200.0
2024	4	56201	Engie North America	IPP	Hydra	TX	65490	HYDRA	200.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	200.0
2024	4	56201	Engie North America	IPP	Paleo	TX	65491	PALEO	200.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	200.0
2024	4	56201	Engie North America	IPP	Pavo	TX	65492	PAVO	175.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	175.0
2024	4	56201	Engie North America	IPP	Sierra Energy Storage, LLC	CA	61803	10003	10.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	10.0
2024	4	56201	Engie North America	IPP	Tortolas	TX	65493	TORTO	50.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	50.0
2024	4	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
2024	4	66147	FFP NY Goshen Project1, LLC	IPP	FFP - NY Urbanski	NY	67281	5653	4.4	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.4
2024	4	66147	FFP NY Goshen Project1, LLC	IPP	FFP - NY Urbanski	NY	67281	5653B	5.2	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	5.2
2024	4	66148	FFP NY Goshen Project2, LLC	IPP	FFP - NY Varano	NY	67282	5654	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	4	66148	FFP NY Goshen Project2, LLC	IPP	FFP - NY Varano	NY	67282	5654B	5.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	5.0
2024	4	65226	FGE Goodnight I, LLC	IPP	Goodnight	TX	59246	GOOD1	265.5	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	265.5
2024	4	65502	Five Wells Solar Center, LLC	IPP	Five Wells Solar Center - Hybrid	TX	66420	FWBAT	259.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	262.5
2024	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
2024	4	66049	Foxhound Solar, LLC	IPP	Foxhound	VA	67171	F2024	83.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	83.0
2024	4	65720	Fresno Community Solar Developers, LLC	IPP	Fresno Community Solar	CA	66715	FREPV	10.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	10.0
2024	4	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
2024	4	60025	Greenbacker Renewable Energy Corporation	IPP	Hecate Energy Albany 2 LLC	NY	66126	292	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2024	4	60025	Greenbacker Renewable Energy Corporation	IPP	Oaks Landfill - ANEM	MD	67180	882	2.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.5
2024	4	60025	Greenbacker Renewable Energy Corporation	IPP	Smithfield 1	UT	66144	523	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	4	65076	HEN Infrastructure, L.L.C.	IPP	Farmersville (TX)	TX	65812	FRMVL	9.9	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	9.9
2024	4	63841	Hadley 3 Solar, LLC (North)	IPP	Hadley 3 Solar (North)	MA	64231	09170	1.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	1.0
2024	4	65783	Hayhurst Texas Solar	IPP	Hayhurst Texas Solar	TX	66880	HHTX	24.8	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	24.8
2024	4	65953	Heimlich Solar Partners LLC	IPP	Heimlich Solar	DE	67074	METER	4.3	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.5
2024	4	63638	Horseshoe Solar, LLC	IPP	Horseshoe Solar, LLC	UT	63984	HSS	75.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	75.0
2024	4	65794	Indiana Crossroads Wind Farm II LLC	IPP	Indiana Crossroads Wind Farm II	IN	66861	GEN01	200.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	201.6
2024	4	9417	Interstate Power and Light Co	Electric Utility	Fareway Customer Hosted 1 MW Solar	IA	67096	PV1	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2024	4	9417	Interstate Power and Light Co	Electric Utility	ISU Customer Hosted 1MW Solar Project	IA	67098	PV1	1.4	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.4
2024	4	50123	Leeward Asset Management, LLC	IPP	Chaparral Springs	CA	64864	CHAPS	102.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	102.0
2024	4	50123	Leeward Asset Management, LLC	IPP	Chaparral Springs	CA	64864	GEN01	72.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	72.0
2024	4	50123	Leeward Asset Management, LLC	IPP	Chaparral Springs	CA	64864	WS3BA	36.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	36.0
2024	4	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Cottontail Solar 6	PA	65081	PACT6	20.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	20.0
2024	4	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Cottontail Solar 8	PA	65082	PACT8	20.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	20.0
2024	4	65006	Linkville Solar, LLC	IPP	Linkville Solar (CSG)	OR	65749	LS22	2.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.8
2024	4	65785	Luminace Sunbeam Development Holdings, LLC	IPP	ME Novel Lighthouse - Penobscot	ME	66961	PENOB	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0
2024	4	61944	MN8 Energy LLC	IPP	Dynamic - Norridgewock Martin Stream	ME	67012	GEN1	4.9	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	4.9
2024	4	61944	MN8 Energy LLC	IPP	WMATA - Cheverly Metro	MD	65959	GEN1	1.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.9
2024	4	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	(TS) Construction complete, but not yet in commercial operation	65.0
2024	4	65770	NY USLE Copenhagen CR194 LLC	IPP	Copenhagen Solar	NY	66817	COPE	4.3	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.3
2024	4	62759	National Grid Renewables	IPP	Copperhead Solar, LLC	TX	67019	CHSTG	100.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	100.0
2024	4	62759	National Grid Renewables	IPP	Wild Springs	SD	67018	WLDSP	128.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	128.0
2024	4	61227	Nautilus Solar Solutions	IPP	Lion One	MD	67392	SC	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	4	61227	Nautilus Solar Solutions	IPP	Ten Oaks	MD	67334	SC	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2024	4	13407	Nevada Power Co	Electric Utility	Dry Lake Solar Energy Center	NV	63933	DLES1	100.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	100.0
2024	4	13407	Nevada Power Co	Electric Utility	Dry Lake Solar Energy Center	NV	63933	DLPV1	150.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	150.0

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	4	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
2024	4	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
2024	4	64743	PPM Solar LLC	IPP	Fredonia Solar (KS)	KS	66570	FS1	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2024	4	64743	PPM Solar LLC	IPP	Highpeak Solar 1	TX	66572	HPKS1	10.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	10.0
2024	4	65935	Preston Garden LLC	IPP	Preston Garden	MN	67009	PRSTN	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2024	4	63082	ProEnergy Services	IPP	Remy Jade Power Station	TX	66604	CTG-1	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	60.5
2024	4	63082	ProEnergy Services	IPP	Remy Jade Power Station	TX	66604	CTG-2	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	60.5
2024	4	63082	ProEnergy Services	IPP	Remy Jade Power Station	TX	66604	CTG-3	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	60.5
2024	4	63082	ProEnergy Services	IPP	Remy Jade Power Station	TX	66604	CTG-4	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	60.5
2024	4	63082	ProEnergy Services	IPP	Remy Jade Power Station	TX	66604	CTG-5	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	60.5
2024	4	63082	ProEnergy Services	IPP	Remy Jade Power Station	TX	66604	CTG-6	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	60.5
2024	4	63082	ProEnergy Services	IPP	Remy Jade Power Station	TX	66604	CTG-7	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	60.5
2024	4	63082	ProEnergy Services	IPP	Remy Jade Power Station	TX	66604	CTG-8	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	60.5
2024	4	65394	Proxima Solar, LLC	IPP	Proxima	CA	66270	PRXBS	162.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	162.0
2024	4	65394	Proxima Solar, LLC	IPP	Proxima	CA	66270	PRXMA	190.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	190.0
2024	4	65951	Randolf Solar Partners LLC	IPP	Randolf Solar	VA	67028	METER	2.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.2
2024	4	64740	Santa Paula Energy Storage, LLC	IPP	Santa Paula Energy Storage LLC	CA	65397	SP1	30.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	30.0
2024	4	65781	Sky Ranch Solar and Storage	IPP	Sky Ranch Solar	NM	66814	SKYBA	50.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	50.0
2024	4	65781	Sky Ranch Solar and Storage	IPP	Sky Ranch Solar	NM	66814	SKYPV	190.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	190.0
2024	4	65954	Small Mouth Bass Solar Partners LLC	IPP	Small Mouth Bass Solar	VA	67072	METER	2.4	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.5
2024	4	64994	SolRiver Capital LLC	IPP	Elk Solar LLC	NC	66345	PV1	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0
2024	4	66054	Solar Star Bear Creek, LLC	Commercial	Bear Creek Solar (CA)	CA	67169	EBMUD	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0
2024	4	66050	Solar Star Prime 4 LLC	IPP	Amazon SAN3 Solar Project	CA	67170	ASBA	2.4	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	2.4
2024	4	66050	Solar Star Prime 4 LLC	IPP	Amazon SAN3 Solar Project	CA	67170	ASSP	4.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.6
2024	4	17650	Southern Power Co	IPP	South Cheyenne Solar	WY	67147	SCHY	150.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	150.0
2024	4	63515	Sparta Solar, LLC	IPP	Sparta Solar	TX	63840	1111	250.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	250.0
2024	4	65625	Sunlight Storage II	IPP	Sunlight Storage II	CA	66575	SUNS2	230.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	230.0
2024	4	66218	TAI Huntsville Solar, LLC	IPP	TAI Huntsville Solar Hybrid	AL	67488	PV1	30.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	30.0
2024	4	57313	Tesla Inc.	Industrial	Austin TX GigaFactory	TX	65070	B07	1.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.9
2024	4	57313	Tesla Inc.	Industrial	Austin TX GigaFactory	TX	65070	C01	1.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.9
2024	4	57313	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
2024	4	65123	Tres Bahias Solar Power, LLC	IPP	Tres Bahias	TX	65947	TB	196.3	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	196.3
2024	4	61980	Valta Energy	IPP	VS BC Pacific Gateway, LLC	CA	66948	VSPRC	1.3	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.4
2024	4	64966	Vikings Energy Farm, LLC	IPP	Vikings Energy Farm	CA	65711	GEN2	150.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	150.0
2024	4	66229	Walnut Bend Solar Station	Electric Utility	Walnut Bend Solar Station PV	AR	67504	WN1	100.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	100.0
2024	4	65667	West Shore Solar LLC	IPP	West Shore Solar LLC	NY	66761	WS	2.4	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.4
2024	4	20856	Wisconsin Power & Light Co	Electric Utility	Grant County	WI	65007	PV1	200.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	200.0
2024	4	65213	Wolfskin Solar, LLC	IPP	Wolfskin Solar	GA	66027	GA-04	38.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	38.0
2024	5	64904	AES Clean Energy	IPP	Cannonball Solar	MD	66867	CBALL	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	5	64904	AES Clean Energy	IPP	Raceway Solar & Storage	CA	66773	RCWYB	80.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	80.0
2024	5	64904	AES Clean Energy	IPP	Raceway Solar & Storage	CA	66773	RCWYS	125.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	125.0
2024	5	61012	AES Distributed Energy	IPP	AES Maui Kuihelani Solar Hybrid	HI	64256	KLNIB	60.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	60.0
2024	5	61012	AES Distributed Energy	IPP	AES Maui Kuihelani Solar Hybrid	HI	64256	KULNI	60.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	60.0
2024	5	61012	AES Distributed Energy	IPP	Platteview Solar LLC	NE	65334	PLTVW	81.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	81.0
2024	5	65600	AP Sunray LLC	IPP	AP Sunray LLC	TX	64258	OCISR	200.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	200.0
2024	5	57416	Acciona Energy USA Global, LLC	IPP	AEUG Union Solar, LLC	OH	64660	AUS	325.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	325.0
2024	5	61514	Agilitas Energy, LLC	IPP	AE-ESS NWS 1, LLC	NY	65239	NWS	4.9	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	5	40577	American Mun Power-Ohio, Inc	Electric Utility	Mifflinburg PA BTM	PA	66452	PB1	2.7	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	2.7
2024	5	40577	American Mun Power-Ohio, Inc	Electric Utility	Mifflinburg PA BTM	PA	66452	PB2	2.7	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	2.7
2024	5	65928	Atrisco Solar LLC	IPP	Atrisco Solar LLC	NM	67003	ATRPV	300.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	300.0
2024	5	63784	Azure Sky Wind Project, LLC	IPP	Azure Sky Wind Project, LLC Hybrid	TX	64164	ASWBE	120.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	120.0
2024	5	65674	Bear Canyon Energy Storage	IPP	Bear Canyon	CA	66650	BC1	13.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	13.0
2024	5	65211	Blackwater Solar, LLC	IPP	Blackwater Solar	GA	66025	GA-02	80.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	80.0
2024	5	64266	Blue Jay Solar I, LLC	IPP	Blue Jay Solar I, LLC	TX	64672	BLUJS	210.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	210.0
2024	5	65694	Bright Arrow Solar, LLC	IPP	Bright Arrow Solar, LLC	TX	66688	BASS	300.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	300.0
2024	5	63235	Brookfield Renewable Trading and Marketing LP	IPP	AM Wind Repower LLC	CA	66167	63235	27.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	27.0
2024	5	65361	CT Cutlass II Solar LLC	IPP	Rowland Solar II	TX	66262	SAREN	200.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	202.8
2024	5	65643	Cald BESS LLC	IPP	Cald BESS	CA	66617	1	100.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	100.0
2024	5	66208	Camco International Group, Inc.	IPP	West Point RNG	ID	67436	WPRG	3.2	Other Waste Biomass	OBG	IC	(V) Under construction, more than 50 percent complete	3.2
2024	5	65564	Catalyze Dallas 7750 Dynasty Drive Microgrid, LLC	IPP	TX Dallas 7750 Dynasty Drive	TX	66516	19500	2.3	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.3
2024	5	65565	Catalyze Houston Express Lane Microgrid, LLC	IPP	TX Houston 7080 Express Lane	TX	66517	19344	1.9	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.9
2024	5	65315	Crooked Lake Solar, LLC	IPP	Crooked Lake Solar, LLC	AR	66185	GEN1	175.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	175.0
2024	5	65965	Crow Creek Solar, LLC	IPP	Paulsell	CA	67092	PSLBA	15.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	15.0
2024	5	65965	Crow Creek Solar, LLC	IPP	Paulsell	CA	67092	PSLPV	20.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	20.0
2024	5	65793	DG Empire Lumen 2023, LLC	IPP	NY Sorrell Hill II CSG	NY	66856	NGSH2	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0
2024	5	65960	DG Empire Sun, LLC	IPP	NY Avon I CSG	NY	67045	AVON1	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0
2024	5	65831	Danish Fields Solar, LLC	IPP	Danish Fields Solar, LLC	TX	66914	DAN	600.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	600.0
2024	5	65833	Danish Fields Storage, LLC	IPP	Danish Fields Storage	TX	66916	DANST	150.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	150.0
2024	5	65677	Dimension Energy LLC	IPP	Fairfield Lee Solar, LLC	VA	67532	FAIRF	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	5	65677	Dimension Energy LLC	IPP	Tulare CSG LLC	CA	66679	TULAR	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0
2024	5	64872	Distributed Solar Development, LLC	IPP	Bishop Ranch - BR 8-P	CA	66800	4976	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2024	5	64872	Distributed Solar Development, LLC	IPP	Bishop Ranch - BR 8-P	CA	66800	4976B	0.5	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	0.5
2024	5	64872	Distributed Solar Development, LLC	IPP	Caesar's Atlantic City - POI 1 (Colosseu	NJ	66813	P5377	1.4	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.4
2024	5	64872	Distributed Solar Development, LLC	IPP	Harrah's Atlantic City - POI 1 (Meeting	NJ	66830	P5376	2.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.3
2024	5	58970	Ecoplexus, Inc	IPP	Camp San Luis Obispo	CA	63870	CPSLO	1.2	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.2
2024	5	65806	Elk Street Solar LLC	IPP	Elk Street Solar	NY	66886	ES	2.4	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.4
2024	5	65660	Enchanted Rock	IPP	Enchanted Rock Turlock Irrigation District	CA	66680	UNIT1	11.7	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	11.7
2024	5	65660	Enchanted Rock	IPP	Enchanted Rock Turlock Irrigation District	CA	66680	UNIT2	11.7	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	11.7
2024	5	65660	Enchanted Rock	IPP	Enchanted Rock Turlock Irrigation District	CA	66680	UNIT3	11.7	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	11.7
2024	5	65660	Enchanted Rock	IPP	Enchanted Rock Turlock Irrigation District	CA	66680	UNIT4	11.7	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	11.7
2024	5	65827	Fork in the Road Solar LLC	IPP	Fork in the Road Solar	NY	66909	FIR	1.4	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.4
2024	5	7140	Georgia Power Co	Electric Utility	Mossy Branch Battery Facility	GA	65018	BESS	65.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	65.0
2024	5	60025	Greenbacker Renewable Energy Corporation	IPP	Kosa	NY	66735	783	1.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.5
2024	5	60025	Greenbacker Renewable Energy Corporation	IPP	Ledgeview	WI	67056	708	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	5	60025	Greenbacker Renewable Energy Corporation	IPP	Mahany	NY	66750	782	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0
2024	5	60025	Greenbacker Renewable Energy Corporation	IPP	Oaks Landfill CS 1	MD	67508	883	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2024	5	65076	HEN Infrastructure, L.L.C.	IPP	Weil Tract BESS	TX	66783	WEILT	9.9	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	9.9

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2024	5	64937	Hecate Energy Desert Storage 1 LLC	IPP	Hecate Energy Desert Storage 1 LLC	CA	65635	HEDS1	10.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	10.0
2024	5	62153	Hecate Energy Highland LLC	IPP	Hecate Energy Highland LLC	OH	62670	HIGHL	300.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	300.0
2024	5	64978	Hecate Grid Carris Storage 1 LLC	IPP	Carris Storage I	CA	65733	HECAR	10.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	10.0
2024	5	65952	Henry Gibson Solar, LLC	IPP	Henry Gibson Solar	NC	67029	HGS	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	5	65281	Horus Louisiana 1, LLC	IPP	Elizabeth Solar Plant	LA	66111	US199	125.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	142.8
2024	5	9191	Idaho Power Co	Electric Utility	Black Mesa BESS	ID	66326	1	40.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	40.0
2024	5	9191	Idaho Power Co	Electric Utility	Elmore BESS	ID	66327	1	4.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	4.0
2024	5	9191	Idaho Power Co	Electric Utility	Filer BESS	ID	66328	1	2.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	5	9191	Idaho Power Co	Electric Utility	Hemmingway BESS	ID	66325	1	80.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	80.0
2024	5	9191	Idaho Power Co	Electric Utility	Melba BESS	ID	66329	1	2.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	5	9191	Idaho Power Co	Electric Utility	Weiser BESS	ID	66330	1	3.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	3.0
2024	5	9417	Interstate Power and Light Co	Electric Utility	Hy-Vee Customer Hosted 2.25MW Solar	IA	67097	PV1	2.3	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.3
2024	5	9417	Interstate Power and Light Co	Electric Utility	Perry Customer Hosted 1MW Solar Project	IA	67099	PV1	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2024	5	49893	Invenergy Services LLC	IPP	Delilah Solar Energy LLC	TX	63194	GEN1	300.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	300.0
2024	5	49893	Invenergy Services LLC	IPP	Yuma Solar + Storage	AZ	67321	BESS1	67.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	67.0
2024	5	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Cottontail Solar 1	PA	65076	PACT1	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2024	5	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Honeysuckle Solar Farm	IN	65936	INHS1	150.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	150.0
2024	5	64925	MA CS Dighton, LLC	IPP	MA-Dighton-A	MA	65646	MADIG	3.8	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	3.8
2024	5	61944	MN8 Energy LLC	IPP	Dynamic - Wales Leeds Junction Road	ME	67011	GEN1	4.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.5
2024	5	65551	Magruder Solar, LLC	IPP	Magruder Solar	NY	66495	PV1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	5	12303	Merck & Co Inc-West Point	Industrial	West Point (PA)	PA	52149	GEN19	1.0	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	1.0
2024	5	66119	Mesa Wind Repower	IPP	Mesa Wind Repower	CA	67247	MESA	30.0	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	30.0
2024	5	65344	Misenheimer Solar LLC	IPP	Misenheimer Solar LLC	NC	66237	GEN01	74.4	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	74.4
2024	5	65823	Myrtle Solar, LLC	IPP	Myrtle Solar, LLC	TX	66910	MYR	313.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	313.0
2024	5	65830	Myrtle Storage, LLC	IPP	Myrtle Storage	TX	66913	MYRST	150.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	150.0
2024	5	56990	NJR Clean Energy Ventures Corporation	IPP	Love Lane Solar	NJ	65486	LOVLN	1.8	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.8
2024	5	62759	National Grid Renewables	IPP	Copperhead Solar, LLC	TX	67019	CHSLR	150.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	150.0
2024	5	61227	Nautilus Solar Solutions	IPP	BNRG North Anson	ME	67431	SC	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	5	61227	Nautilus Solar Solutions	IPP	Brewer	ME	67499	SC	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	5	61227	Nautilus Solar Solutions	IPP	Gowans	NY	67442	SC	3.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.8
2024	5	61227	Nautilus Solar Solutions	IPP	Peterboro	NY	67440	SC	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2024	5	49896	Nevada Gold Energy, LLC	IPP	TS Power Plant	NV	56224	SOL1	100.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	100.0
2024	5	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
2024	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
2024	5	65796	North Fork Solar Project, LLC	IPP	North Fork Solar Project	OK	66866	NFORK	120.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	120.0
2024	5	66027	Orsted Wind Power North America LLC	IPP	South Fork Wind	NY	65561	SFWND	130.0	Offshore Wind Turbine	WND	WS	(V) Under construction, more than 50 percent complete	130.0
2024	5	64935	Ortega Grid, LLC	IPP	Ortega Grid, LLC	CA	65656	HEORG	20.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	20.0
2024	5	65857	Prescott Wind Energy LLC	IPP	Prescott Wind Farm	IA	66952	PWE	56.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	56.0
2024	5	66212	RA Jones	IPP	R.A Jones Roof Mounted Solar System	KY	67473	RAJPV	1.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.3
2024	5	65775	RPCA Solar 1, LLC	IPP	Avenue 26 Solar	CA	66809	A26P1	2.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.6
2024	5	65775	RPCA Solar 1, LLC	IPP	Avenue 26 Solar	CA	66809	A26P2	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	5	56215	RWE Renewables Americas, LLC	IPP	Big Star Solar, LLC (Hybrid)	TX	64202	BGSTB	80.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	80.0
2024	5	56215	RWE Renewables Americas, LLC	IPP	Big Star Solar, LLC (Hybrid)	TX	64202	BGSTS	200.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	200.0
2024	5	56215	RWE Renewables Americas, LLC	IPP	Willowbrook Solar I, LLC	OH	63877	WBS	150.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	150.0
2024	5	64177	Ranchland Wind Project I, LLC	IPP	Ranchland Wind Project I	TX	64551	WT2	114.9	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	114.9
2024	5	64178	Ranchland Wind Project II, LLC	IPP	Ranchland Wind Project II	TX	64544	WT2	148.0	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	148.0
2024	5	64179	Ranchland Wind Storage, LLC	IPP	Ranchland Wind Storage	TX	64545	BA	73.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	73.0
2024	5	66003	Reactivate	IPP	Monee Solar 1, LLC	IL	67107	GEN1	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	5	66003	Reactivate	IPP	North Cottage Grove Solar 1, LLC	IL	67115	GEN1	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	5	66003	Reactivate	IPP	SSC Oswego II LLC	NY	67113	GEN1	4.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.8
2024	5	65087	SMS DC CS01B, LLC	IPP	Gallaudet Uni Community Solar	DC	65896	GUCS1	2.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.6
2024	5	65955	Solitude Solar Russell County Rd 21 Microgrid, LLC	IPP	NY Hermon 1040 County Rd 21	NY	67031	20144	2.2	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.2
2024	5	17609	Southern California Edison Co	Electric Utility	Separator (Etiwanda) BESS	CA	65456	SEPAR	112.5	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	112.5
2024	5	65380	Steel Solar, LLC	IPP	Steel Solar LLC	UT	66267	SS8	80.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	80.0
2024	5	65209	TPE RI WA1, LLC	IPP	TPE RI WA1 Solar	RI	66045	70825	3.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.5
2024	5	65208	TPE RI WA2, LLC	IPP	TPE RI WA2 Solar	RI	66044	70824	3.4	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.4
2024	5	61950	Terra-Gen Operating Co-Solar	IPP	Lockhart ESS, LLC	CA	66946	LHESS	45.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	45.0
2024	5	57313	Tesla Inc.	Industrial	Austin TX GigaFactory	TX	65070	B05	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2024	5	65112	TotalEnergies Distributed Generation, LLC	Commercial	Shasta College PH2 Solar Project	CA	65940	SCSP1	1.3	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.5
2024	5	65112	TotalEnergies Distributed Generation, LLC	Commercial	Shasta College PH2 Solar Project	CA	65940	SCSPB	0.5	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	0.5
2024	5	19499	United Power, Inc	Electric Utility	Keenesburg Battery Storage	CO	67306	KEEBA	11.8	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	11.8
2024	5	19499	United Power, Inc	Electric Utility	Mead Battery Storage	CO	67303	MEABA	7.8	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	7.8
2024	5	19499	United Power, Inc	Electric Utility	Parkway Battery Storage	CO	67301	PKWBA	7.8	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	7.8
2024	5	19499	United Power, Inc	Electric Utility	Platte Valley Battery Storage	CO	67307	PLVBA	7.8	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	7.8
2024	5	19499	United Power, Inc	Electric Utility	Rattlesnake Ridge Battery Storage	CO	67300	RATBA	11.8	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	11.8
2024	5	65173	United States Solar Corporation	IPP	Spring Prairie Solar LLC	MN	66972	SPRPR	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2024	5	65173	United States Solar Corporation	IPP	USS Fruita Solar LLC	CO	66432	USGBS	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	5	65675	West Ford Flat Energy Storage	IPP	West Ford Flat	CA	66669	WFF1	25.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	25.0
2024	5	65405	Woodruff County Solar	IPP	Woodruff County Solar	AR	66282	PV1	122.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	122.0
2024	5	65968	Yellow Pine Solar II, LLC	IPP	Yellow Pine II	NV	67091	YP2AB	53.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	53.0
2024	5	65968	Yellow Pine Solar II, LLC	IPP	Yellow Pine II	NV	67091	YP2AP	60.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	60.0
2024	5	65968	Yellow Pine Solar II, LLC	IPP	Yellow Pine II	NV	67091	YP2BB	32.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	32.0
2024	6	64904	AES Clean Energy	IPP	Baldy Mesa 2_Silver Peak Hybrid	CA	66885	SPKBS	25.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	25.0
2024	6	64904	AES Clean Energy	IPP	Baldy Mesa 2_Silver Peak Hybrid	CA	66885	SPKPV	50.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	50.0
2024	6	64904	AES Clean Energy	IPP	Mannys Corners Solar 1 LLC	NY	66947	MANNY	4.9	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	4.9
2024	6	64904	AES Clean Energy	IPP	Northline Solar	NY	66449	NORTH	4.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.0
2024	6	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
2024	6	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
2024	6	66143	Alcosta Boulevard BR 15-DD Solar Project 2020, LLC	IPP	Bishop Ranch - BR 15-DD	CA	67277	4657B	0.5	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	0.5
2024	6	66143	Alcosta Boulevard BR 15-DD Solar Project 2020, LLC	IPP	Bishop Ranch - BR 15-DD	CA	67277	4657C	0.4	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.4
2024	6	66143	Alcosta Boulevard BR 15-DD Solar Project 2020, LLC	IPP	Bishop Ranch - BR 15-DD	CA	67277	4657R	0.2	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.2
2024	6	66110	Anemoi Energy Storage, LLC	IPP	Anemoi Energy Storage	TX	67236	ANEM1	200.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	200.0
2024	6	65280	Babbitt Ranch Energy Center, LLC	IPP	Babbitt Ranch Energy Center	AZ	66110	BREC1	163.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	163.0
2024	6	65293	Bartonsville Energy Facility, LLC	IPP	Bartonsville Energy Facility, LLC	VA	66133	BTS	130.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	130.0
2024	6	65654	Birch Creek Development	IPP	Altona Solar, LLC	MO	66628	PV	30.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	30.0
2024	6	65270	Blue Elk I Solar, LLC	IPP	Blue Elk I Solar, LLC	MI	66107	BEI	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2024	6	65765	Borden County Battery Energy Storage System LLC	IPP	Borden County BESS	TX	66804	1	150.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	150.0

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	65696	Brazos Bend BESS, LLC	IPP	Brazos Bend BESS, LLC	TX	66690	BEND	100.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	100.0
2024	6	65428	Callisto I Energy Center	IPP	Callisto I Energy Center	TX	66338	CALL1	100.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	101.6
2024	6	4065	City of Columbus - (OH)	Electric Utility	Jackson Pike WWTP Cogen Engines	OH	67264	1	1.4	Other Waste Biomass	OBG	IC	(V) Under construction, more than 50 percent complete	1.4
2024	6	4065	City of Columbus - (OH)	Electric Utility	Jackson Pike WWTP Cogen Engines	OH	67264	2	1.4	Other Waste Biomass	OBG	IC	(V) Under construction, more than 50 percent complete	1.4
2024	6	17845	City of Springville - (UT)	Electric Utility	Whitehead	UT	7028	K3CAT	2.5	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	2.5
2024	6	17845	City of Springville - (UT)	Electric Utility	Whitehead	UT	7028	K4CAT	2.5	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	2.5
2024	6	17845	City of Springville - (UT)	Electric Utility	Whitehead	UT	7028	K5CAT	2.5	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	2.5
2024	6	55934	City of Stockton MUD	Commercial	Regional Wastewater Control Facility	CA	56134	0601	3.0	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	3.0
2024	6	65780	Clearwater Wind III, LLC	IPP	Clearwater Wind III	MT	66811	CW3	100.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	100.0
2024	6	56769	Consolidated Edison Development Inc.	IPP	Timberland Solar	GA	65892	TSPV	140.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	140.0
2024	6	65677	Dimension Energy LLC	IPP	Kings CSG 3 LLC	CA	66676	KING3	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0
2024	6	64872	Distributed Solar Development, LLC	IPP	FFP - NY Game Farm	NY	66828	P5652	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	6	5248	Dominion Energy Inc.	Electric Utility	Bookers Mill Solar	VA	66314	BMSO	127.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	127.0
2024	6	5248	Dominion Energy Inc.	IPP	Madison Solar	VA	66316	MDSO	62.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	62.5
2024	6	58468	Dominion Renewable Energy	Electric Utility	Quillwort Solar	VA	65318	POWI	18.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	18.0
2024	6	58468	Dominion Renewable Energy	Electric Utility	Sebera Solar	VA	65320	SEBE	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2024	6	66124	Dos Palos Clean Power, LLC	IPP	Dos Palos Clean Power	CA	67287	DOSP	3.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.0
2024	6	5347	Dow Chemical Co	Industrial	Plaquemine Cogeneration Plant	LA	55419	ST6	48.9	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	48.9
2024	6	65411	Duke Energy Renewables Services	IPP	Wildflower Solar, LLC (MS)	MS	66369	WDFL	100.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	100.0
2024	6	66111	Ebony Energy Storage, LLC	IPP	Ebony Energy Storage	TX	67237	EBON1	200.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	207.9
2024	6	65011	El Sauz Ranch Wind, LLC	IPP	El Sauz Ranch Wind, LLC	TX	65760	ELSAU	301.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	301.0
2024	6	65368	Eleven Mile Solar Center, LLC	IPP	Eleven Mile Solar Center	AZ	66263	1111	300.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	300.0
2024	6	65368	Eleven Mile Solar Center, LLC	IPP	Eleven Mile Solar Center	AZ	66263	2222	300.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	300.0
2024	6	65641	EnLink Processing Services, LLC	Industrial	Eunice LA Plant	LA	66615	STG01	4.6	Natural Gas Steam Turbine	NG	ST	(U) Under construction, less than or equal to 50 percent complete	4.7
2024	6	65660	Enchanted Rock	IPP	Enchanted Rock Lodi	CA	66638	LODI	48.0	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	48.0
2024	6	64458	Enfield Solar One, LLC	IPP	Enfield Solar One	CT	65047	VCP07	4.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.0
2024	6	56201	Engie North America	IPP	Crockett	TX	65488	CROKT	9.9	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	9.9
2024	6	56201	Engie North America	IPP	Octans	TX	65590	OCTNS	125.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	125.0
2024	6	65774	Fence Post Solar Project, LLC	IPP	Fence Post Solar Hybrid Project, LLC	TX	66801	FNCBE	72.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	72.0
2024	6	65774	Fence Post Solar Project, LLC	IPP	Fence Post Solar Hybrid Project, LLC	TX	66801	FNCPT	236.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	236.0
2024	6	66125	Foster Clean Power A, LLC	IPP	Foster Clean Power A	CA	67288	BESSA	1.3	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	1.3
2024	6	66125	Foster Clean Power A, LLC	IPP	Foster Clean Power A	CA	67288	FOSTA	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2024	6	66071	Franklin Solar Idaho	IPP	Franklin Solar Hybrid	ID	67190	FBESS	100.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	100.0
2024	6	66071	Franklin Solar Idaho	IPP	Franklin Solar Hybrid	ID	67190	FRKLN	100.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	100.0
2024	6	65218	Glover Creek Solar, LLC	IPP	Glover Creek Solar, LLC	KY	66047	GLOVE	55.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	55.0
2024	6	60025	Greenbacker Renewable Energy Corporation	IPP	IGS OXR1	CA	66603	454	4.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.8
2024	6	60025	Greenbacker Renewable Energy Corporation	IPP	N Baker Road	IL	67153	679	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	6	60025	Greenbacker Renewable Energy Corporation	IPP	N Baker Road 2	IL	67152	680	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	6	60025	Greenbacker Renewable Energy Corporation	IPP	Pine Hill Westport	MA	67156	702	3.3	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.3
2024	6	60025	Greenbacker Renewable Energy Corporation	IPP	Upland	MA	67276	703	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	6	63109	Hales Mills Solar, LLC	IPP	Hales Mills Solar, LLC	NY	63339	09751	3.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	3.0
2024	6	63837	Hecate Energy Frye Solar LLC	IPP	Hecate Energy Frye Solar LLC	TX	64233	80995	500.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	500.0
2024	6	65016	High River Energy Center, LLC	IPP	High River Energy Center, LLC	NY	65765	HR01	90.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	90.0
2024	6	66145	Highland Ave Solar 1, LLC	IPP	Borrego - Highland Ave	MA	67279	6572	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	6	66145	Highland Ave Solar 1, LLC	IPP	Borrego - Highland Ave	MA	67279	6572B	5.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	6	64738	Hummingbird Energy Storage, LLC	IPP	Hummingbird Energy Storage LLC	CA	65395	HUMB1	75.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	75.0
2024	6	49893	Invenergy Services LLC	IPP	Delilah Solar Energy II LLC	TX	63884	GEN1	310.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	310.0
2024	6	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
2024	6	50123	Leeward Asset Management, LLC	IPP	Chaparral Springs	CA	64864	CHAPB	52.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	52.0
2024	6	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Cottontail Solar 4	PA	65079	PACT4	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2024	6	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Oxbow Solar 1	LA	65030	LAVE1	300.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	300.0
2024	6	65956	ME Sandy River LLC	IPP	15 Glen Harris RD	ME	67032	20261	3.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.6
2024	6	61944	MN8 Energy LLC	IPP	Dynamic - Enfield Hammett Road	ME	67016	GEN1	4.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.9
2024	6	61944	MN8 Energy LLC	IPP	Dynamic - Exeter Solar	ME	67015	GEN1	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2024	6	65131	Mammoth North, LLC	IPP	Mammoth North Solar	IN	65957	GEN1	400.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	400.0
2024	6	66120	McCormick NY CSG LLC	IPP	McCormick NY CSG LLC	NY	67248	MCCOR	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0
2024	6	12320	Merck & Co Inc	Industrial	Elkton	VA	52148	GEN8	2.0	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	2.0
2024	6	63968	Mockingbird Solar Center, LLC	IPP	Mockingbird Solar Center	TX	64347	7777	471.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	471.0
2024	6	65964	Montgomery Ranch Wind Farm, LLC	IPP	Montgomery Ranch Wind Farm, LLC	TX	67095	MR1	202.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	202.5
2024	6	65592	Moonshot Solar, LLC	IPP	Moonshot	MS	66544	PGRMS	78.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	78.5
2024	6	62759	National Grid Renewables	IPP	Fayette Solar	OH	67166	FYTSL	45.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	45.0
2024	6	61227	Nautilus Solar Solutions	IPP	Beech Road	MD	67405	SC	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2024	6	61227	Nautilus Solar Solutions	IPP	Comfort	NY	67406	SC	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2024	6	61227	Nautilus Solar Solutions	IPP	Livingston Crossing	MD	67393	SC	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	6	63216	North Valley	IPP	North Valley	NV	63491	NVSOL	5.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.5
2024	6	65550	Nova Power, LLC	IPP	Menifee Power Bank	CA	66494	NOVA1	230.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	230.0
2024	6	65550	Nova Power, LLC	IPP	Menifee Power Bank	CA	66494	NOVA2	230.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	230.0
2024	6	66031	Novel Brock Solar HQ LLC	IPP	Novel Brock Solar LLC	MN	65024	BROCK	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2024	6	66029	Novel Froehle Solar HQ 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
2024	6	66030	Novel Milbradt Solar HQ 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
2024	6	66032	Novel Swenson Solar HQ LLC	IPP	Novel Swenson Solar LLC	MN	65025	SWNSN	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2024	6	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
2024	6	34691	Ormat Nevada Inc	IPP	Steamboat Hills LP	NV	50654	SBSL2	3.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.6
2024	6	64743	PPM Solar LLC	IPP	BKV Ponder Solar 1	TX	66571	BKVP1	2.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.5
2024	6	65347	Pearl River Solar Park, LLC	IPP	Pearl River Solar Park LLC	MS	66239	GEN01	175.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	175.0
2024	6	59967	Phoenix Energy	IPP	North Fork Community Power	CA	60192	NFCP1	1.3	Other Waste Biomass	OBG	IC	(V) Under construction, more than 50 percent complete	1.7
2024	6	59967	Phoenix Energy	IPP	North Fork Community Power	CA	60192	NFCP2	1.3	Other Waste Biomass	OBG	IC	(V) Under construction, more than 50 percent complete	1.7
2024	6	65648	Prairie Mist Solar Project, LLC	IPP	Prairie Mist Solar	AR	66625	78661	100.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	109.2
2024	6	66080	Prairie Solar, LLC (VA)	IPP	Prairie Solar, LLC (VA)	VA	67219	ENX21	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2024	6	66194	RPNY Solar 4, LLC	IPP	Clemons Road Solar	NY	67407	CLEM	2.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.8
2024	6	66195	RPNY Solar 6, LLC	IPP	Pike Road Solar (NY)	NY	67408	PIKE	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2024	6	66196	RPNY Solar 7, LLC	IPP	Alexander Road Solar	NY	67409	ALEX	1.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.6
2024	6	66003	Reactivate	IPP	Gooseberry Solar, LLC	IL	67106	GEN1	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	6	66003	Reactivate	IPP	Mulberry Solar, LLC	IL	67108	GEN1	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	6	66003	Reactivate	IPP	Torrence Ave Solar 1 LLC	IL	67114	GEN1	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	6	65826	Roadrunner Crossing Wind Farm, LLC	IPP	Roadrunner Wind Farm	TX	66902	5317	256.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	256.0
2024	6	65958	SL Sherman, LLC	IPP	NY SHERMAN 176 W MAIN ST - SL 1	NY	67034	21104	4.7	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	4.7

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2024	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
2024	6	16534	Sacramento Municipal Util Dist	Electric Utility	Solano Wind	CA	7526	4	85.5	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	85.5
2024	6	64936	San Jacinto Grid, LLC	IPP	San Jacinto Grid, LLC	CA	65657	HESJG	65.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	65.0
2024	6	65626	San Juan Solar I, LLC	IPP	San Juan Solar I	NM	66574	SJSS	100.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	100.0
2024	6	65418	Sierra Estrella Energy Storage, LLC	IPP	Sierra Estrella Energy Storage	AZ	66334	BESS3	250.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	250.0
2024	6	64994	SolRiver Capital LLC	IPP	Green Solar LLC (CSG)	OR	66349	PV1	2.9	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.9
2024	6	64994	SolRiver Capital LLC	IPP	Rhubarb One SC	SC	59596	PV1	9.6	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	9.6
2024	6	17609	Southern California Edison Co	Electric Utility	Cadillac Battery Energy Storage Facility	CA	63326	CAD1	3.5	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	3.5
2024	6	17609	Southern California Edison Co	Electric Utility	Cathode (Hinson) BESS	CA	65457	CATH1	100.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	100.0
2024	6	17609	Southern California Edison Co	Electric Utility	Cathode (Hinson) BESS	CA	65457	CATH2	100.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	100.0
2024	6	17609	Southern California Edison Co	Electric Utility	Yorktown Battery Energy Storage Facility	CA	63325	YORK1	3.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	3.0
2024	6	66151	Sun Streams PVS, LLC	IPP	Sun Streams 3	AZ	67285	GEN01	215.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	215.0
2024	6	66151	Sun Streams PVS, LLC	IPP	Sun Streams 3	AZ	67285	GEN02	215.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	215.0
2024	6	60970	SunShare Management	IPP	Buffalo Sun CSG	MN	66070	BUFFS	1.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.0
2024	6	65419	Superstition Energy Storage, LLC	IPP	Superstition Energy Storage	AZ	66333	BESS4	90.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	90.0
2024	6	66131	Surbrook Solar, LLC	IPP	Surbrook Solar, LLC	MI	67267	SUR10	20.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	20.0
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	65552	Terra-Gen Operating Co-BESS 2	IPP	Beaumont BESS	CA	66461	GEN1	100.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	116.6
2024	6	65863	Three Corners Solar, LLC	IPP	Three Corners Solar	ME	66955	18099	110.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	110.0
2024	6	59598	Tooele Army Depot	IPP	Tooele Army Depot(CSG)	UT	59817	PV2	1.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.5
2024	6	19499	United Power, Inc	Electric Utility	Bromley Battery Storage	CO	67305	BROBA	11.8	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	11.8
2024	6	64966	Vikings Energy Farm, LLC	IPP	Vikings Energy Farm	CA	65711	GEN1	136.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	136.8
2024	6	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
2024	6	65555	West Tambo Clean Power II	IPP	West Tambo Clean Power II	CA	66506	WEST2	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	7	64904	AES Clean Energy	IPP	McFarland B Solar and Storage	AZ	66637	BESS	150.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	150.0
2024	7	64904	AES Clean Energy	IPP	McFarland B Solar and Storage	AZ	66637	MCFRB	300.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	300.0
2024	7	57416	Acciona Energy USA Global, LLC	IPP	Red Tailed Hawk Solar LLC	TX	66157	GEN1	350.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	350.0
2024	7	221	Alaska Village Elec Coop, Inc	Electric Utility	Bethel	AK	6566	7A	0.3	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	0.3
2024	7	66174	Carvers Creek, LLC	IPP	Carvers Creek Solar	VA	67342	CARV	153.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	153.9
2024	7	13948	City of Oberlin - (KS)	Electric Utility	Oberlin (KS)	KS	1312	7	3.0	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	3.0
2024	7	13948	City of Oberlin - (KS)	Electric Utility	Oberlin (KS)	KS	1312	8	3.0	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	3.0
2024	7	65832	Cottonwood Bayou Solar, LLC	IPP	Cottonwood Bayou Solar	TX	66915	CTW	350.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	350.0
2024	7	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
2024	7	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
2024	7	5347	Dow Chemical Co	Industrial	Plaquemine Cogeneration Plant	LA	55419	ST7	48.9	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	48.9
2024	7	66221	Finchville Tpke LLC	IPP	NY Finchville Tpke CSG	NY	67480	FCHVL	1.8	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.8
2024	7	65620	Fox Garden LLC	IPP	Fox Garden	MN	66576	MNC07	0.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.9
2024	7	60025	Greenbacker Renewable Energy Corporation	IPP	DIA 9	CO	67201	724	9.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	9.8
2024	7	60025	Greenbacker Renewable Energy Corporation	IPP	Lake City	MI	67200	642	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	7	60025	Greenbacker Renewable Energy Corporation	IPP	Morey Road	MI	67199	641	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	7	60025	Greenbacker Renewable Energy Corporation	IPP	N Solon Road (South)	IL	67198	678	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	7	60025	Greenbacker Renewable Energy Corporation	IPP	Surrey Road	MI	67197	643	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	7	66067	Groton BESS 1 LLC	IPP	Groton BESS 1	MA	67185	90911	2.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	7	65076	HEN Infrastructure, L.L.C.	IPP	Mainland	TX	67494	MLNDB	9.9	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	9.9
2024	7	65650	Harvest Gold Solar Power, LLC	IPP	Harvest Gold Solar	MS	66623	HGS	99.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	99.0
2024	7	66068	Holden BESS 1 LLC	IPP	Holden BESS 1	MA	67186	90913	5.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	7	9191	Idaho Power Co	Electric Utility	Franklin Battery Storage	ID	67183	FRBS	60.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	60.0
2024	7	9191	Idaho Power Co	Electric Utility	Hemmingway BESS	ID	66325	HGWP2	36.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	36.0
2024	7	49805	Kennecott Utah Copper	Industrial	Copperton Solar Plant No. 1	UT	64427	CSP1	2.3	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	7	63289	Key Capture Energy	IPP	TX10 Hummingbird Storage	TX	65693	TX10	100.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	100.0
2024	7	50123	Leeward Asset Management, LLC	IPP	White Wing Solar	AZ	60572	GEN01	175.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	175.0
2024	7	65874	Liberty County Solar Project, LLC	IPP	Liberty County Solar Project	TX	67159	LIBCO	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	109.9
2024	7	65052	Limestone CSG 1 LLC	IPP	Limestone CSG 1 LLC	ME	65801	LMST1	1.2	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	3.8
2024	7	65053	Limestone CSG 2 LLC	IPP	Limestone CSG 2 LLC	ME	65802	LMST2	1.2	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.9
2024	7	65984	Longbow BESS, LLC	IPP	Longbow BESS, LLC	TX	67083	LBBES	174.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	174.0
2024	7	12303	Merck & Co Inc-West Point	Industrial	West Point (PA)	PA	52149	GEN18	2.5	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	2.5
2024	7	61227	Nautilus Solar Solutions	IPP	Altamont (NY)	NY	67403	SC	2.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.3
2024	7	61227	Nautilus Solar Solutions	IPP	BNRG Masardis	ME	67427	SC	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	7	61227	Nautilus Solar Solutions	IPP	Missile Street	ME	67398	SC	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2024	7	13407	Nevada Power Co	Electric Utility	Silverhawk	NV	55841	CT3	222.6	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	210.1
2024	7	13407	Nevada Power Co	Electric Utility	Silverhawk	NV	55841	CT4	222.6	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	210.1
2024	7	62646	Painter Energy Storage, LLC	IPP	Painter Energy Storage	CA	62729	PAIN1	10.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	10.0
2024	7	65099	Porter Solar, LLC	IPP	Porter Solar, LLC (TX)	TX	65937	PORTR	245.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	245.0
2024	7	65934	River Fork Solar, LLC	IPP	River Fork Solar, LLC	MI	67008	RFSLR	149.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	149.0
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	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
2024	7	16609	San Diego Gas & Electric Co	Electric Utility	Santee BESS	CA	67118	1	10.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	10.0
2024	7	65626	San Juan Solar I, LLC	IPP	San Juan Solar I	NM	66574	SANS	200.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	200.0
2024	7	17609	Southern California Edison Co	Electric Utility	Anode (Springville) BESS	CA	65458	ANOD1	112.5	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	112.5
2024	7	17609	Southern California Edison Co	Electric Utility	Anode (Springville) BESS	CA	65458	ANOD2	112.5	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	112.5
2024	7	60531	Standard Solar	IPP	Woodville Solar	RI	64530	1	4.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.5
2024	7	60970	SunShare Management	IPP	Dove Solar CSG	CO	67361	DOVES	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	7	18642	Tennessee Valley Authority	Electric Utility	Vonore Battery Energy Storage System	TN	64255	VBESS	20.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	20.0
2024	7	56826	Texas Medical Center Central	Commercial	TECO CHP-1	TX	57504	GTG2	50.0	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	50.0
2024	7	65685	Tumbleweed Energy Storage, LLC	IPP	Tumbleweed Energy Storage	CA	66666	TWES1	50.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	50.0
2024	7	65685	Tumbleweed Energy Storage, LLC	IPP	Tumbleweed Energy Storage	CA	66666	TWES2	75.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	75.0
2024	7	19499	United Power, Inc	Electric Utility	Davis Battery Storage	CO	67304	DAVBA	11.8	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	11.8
2024	7	65173	United States Solar Corporation	IPP	MN East Regal LLC	MN	66973	MNERL	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2024	7	65777	Urban Grid Solar	IPP	Foxglove Solar	VA	66841	FOXG1	75.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	75.0
2024	7	65754	VESI 12 LLC	IPP	Bottleneck Energy Storage	CA	66757	BN1	80.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	80.0
2024	8	65684	549 Doles Ridge Rd Solar LLC	IPP	549 Doles Ridge Rd Solar LLC	ME	66665	549DR	4.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.9
2024	8	64904	AES Clean Energy	IPP	County Highway Solar 1	NY	67415	CTHW1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	8	64904	AES Clean Energy	IPP	County Highway Solar 2	NY	67416	CTHW2	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	8	64904	AES Clean Energy	IPP	Geer Road Solar 1	NY	67418	GEER1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	8	64904	AES Clean Energy	IPP	Geer Road Solar 2	NY	67412	GEER2	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	8	64904	AES Clean Energy	IPP	Geer Road Solar 3	NY	67413	GEER3	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)
2024	8	65646	AFTW Storage, LLC	IPP	AFTW Storage, LLC	CA	66619	AFTW	1.2	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	1.2
2024	8	65700	Atrisco Energy Storage LLC	IPP	Atrisco Energy Storage	NM	66694	ATRES	300.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	300.0
2024	8	65788	Ben Milam Solar 1 LLC	IPP	Orion I Solar Project	TX	66859	ORN1	200.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	200.0
2024	8	65782	Ben Milam Solar 3 LLC	IPP	Orion III Solar Project	TX	66821	ORN3	250.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	250.0
2024	8	65654	Birch Creek Development	IPP	Kimmel Road Solar, LLC	IL	66632	PV	50.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	50.0
2024	8	66144	Camino Ramon BR 2600 Solar Project 2020, LLC	IPP	Bishop Ranch - BR 2600	CA	67278	4146B	1.1	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	1.1
2024	8	66144	Camino Ramon BR 2600 Solar Project 2020, LLC	IPP	Bishop Ranch - BR 2600	CA	67278	4146C	0.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	0.5
2024	8	66144	Camino Ramon BR 2600 Solar Project 2020, LLC	IPP	Bishop Ranch - BR 2600	CA	67278	4147R	1.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.2
2024	8	20806	City of Windom	Electric Utility	Windom	MN	2023	CAT5	2.8	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	3.1
2024	8	20806	City of Windom	Electric Utility	Windom	MN	2023	CAT6	2.8	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	3.1
2024	8	59319	Cotton Solar, LLC	IPP	Cotton Solar	SC	59572	PV1	16.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	16.0
2024	8	59656	Desert Quartzite LLC	IPP	Desert Quartzite	CA	59871	GEN01	300.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	300.0
2024	8	59656	Desert Quartzite LLC	IPP	Desert Quartzite	CA	59871	GEN02	150.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	150.0
2024	8	17539	Dominion Energy South Carolina, Inc	Electric Utility	Bushy Park Combustion Turbine Facility	SC	66600	CT1	40.3	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	65.4
2024	8	58468	Dominion Renewable Energy	IPP	Springfield Solar	VA	65317	SPRG	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	8	6455	Duke Energy Florida, LLC	Electric Utility	Falmouth Renewable Energy Center	FL	66639	PV1	74.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.9
2024	8	64946	EDPR CA Solar Park LLC	IPP	Sandrini Solar 200	CA	65663	GEN01	100.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	100.0
2024	8	65799	Enel Green Power Estonian Solar Project, LLC	IPP	Estonian Solar Project, LLC	TX	66872	BESS	100.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	100.0
2024	8	65799	Enel Green Power Estonian Solar Project, LLC	IPP	Estonian Solar Project, LLC	TX	66872	SOLAR	204.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	204.5
2024	8	65444	Erie Solar, LLC	IPP	Erie Solar, LLC	PA	66365	ERIE	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2024	8	62856	Forefront Power, LLC	IPP	CA - Amazon - SMF6	CA	65616	20031	2.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.6
2024	8	65097	Gans Solar, LLC	IPP	Gans Solar	PA	65902	5	14.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	14.0
2024	8	65932	Greasewood II LLC	IPP	Greasewood II LLC	TX	67006	TBSP	306.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	306.0
2024	8	60025	Greenbacker Renewable Energy Corporation	IPP	Mars Hill	ME	67154	577	2.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.6
2024	8	60025	Greenbacker Renewable Energy Corporation	IPP	Ring Road	MA	67119	686	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	8	65451	Grizzly Ridge Solar LLC	Commercial	Grizzly Ridge Solar	TX	66410	596	10.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	10.0
2024	8	66033	Groton BESS 2 LLC	IPP	Groton BESS 2	MA	67162	90910	2.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	2.0
2024	8	65076	HEN Infrastructure, L.L.C.	IPP	CISCO BESS	TX	66795	CISCO	9.9	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	9.9
2024	8	65076	HEN Infrastructure, L.L.C.	IPP	Falfurrias BESS	TX	66792	FALFU	9.9	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	9.9
2024	8	49893	Invenergy Services LLC	IPP	Yuma Solar + Storage	AZ	67321	PV1	70.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	70.0
2024	8	63289	Key Capture Energy	IPP	TX15 Limousin Oak Storage	TX	65698	TX15	100.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	100.0
2024	8	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Second Division Solar	TX	65981	TXSD1	100.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	100.0
2024	8	61944	MN8 Energy LLC	IPP	Dynamic - Glenburn Broadway One	ME	67017	GEN1	4.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.9
2024	8	61944	MN8 Energy LLC	IPP	Dynamic - Gray Solar	ME	67014	GEN1	4.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.9
2024	8	61944	MN8 Energy LLC	IPP	Dynamic - Wales Pond Road	ME	67010	GEN1	4.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.9
2024	8	12199	Montana-Dakota Utilities Co	Electric Utility	R M Heskett	ND	2790	4	88.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	88.0
2024	8	61227	Nautilus Solar Solutions	IPP	Mechanic Street	ME	67396	SC	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2024	8	13683	North Carolina El Member Corp	Electric Utility	Archie Horne	NC	67040	BAT1	10.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	10.0
2024	8	13683	North Carolina El Member Corp	Electric Utility	Butler	NC	67042	BAT1	10.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	10.0
2024	8	13683	North Carolina El Member Corp	Electric Utility	Collier BESS	NC	65248	BAT1	2.5	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	2.5
2024	8	13683	North Carolina El Member Corp	Electric Utility	Docs Road BESS	NC	65249	BAT1	5.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	5.0
2024	8	13683	North Carolina El Member Corp	Electric Utility	Double Creek	NC	67043	BAT1	5.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	8	13683	North Carolina El Member Corp	Electric Utility	Fairfield Harbor	NC	67044	BAT1	5.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	8	13683	North Carolina El Member Corp	Electric Utility	Five Points BESS	NC	65250	BAT1	5.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	5.0
2024	8	13683	North Carolina El Member Corp	Electric Utility	Maysville BESS	NC	65240	BAT1	5.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	5.0
2024	8	13683	North Carolina El Member Corp	Electric Utility	McKinney BESS	NC	65241	BAT1	5.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	5.0
2024	8	13683	North Carolina El Member Corp	Electric Utility	McLauchin	NC	67041	BAT1	15.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	15.0
2024	8	13683	North Carolina El Member Corp	Electric Utility	Medoc	NC	67037	BAT1	2.5	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	2.5
2024	8	13683	North Carolina El Member Corp	Electric Utility	New Rosewood BESS	NC	65243	BAT1	2.5	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	2.5
2024	8	13683	North Carolina El Member Corp	Electric Utility	Queens Creek BESS	NC	65244	BAT1	2.5	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	2.5
2024	8	13683	North Carolina El Member Corp	Electric Utility	Rocky Point BESS	NC	65245	BAT1	5.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	5.0
2024	8	13683	North Carolina El Member Corp	Electric Utility	Walkers Crossroads BESS	NC	65246	BAT1	5.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	5.0
2024	8	13683	North Carolina El Member Corp	Electric Utility	Zion Hill BESS	NC	65247	BAT1	5.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	5.0
2024	8	13902	NorthWestern Energy (MT Hydro)	Electric Utility	Hauser	MT	2185	HAU10	3.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	3.5
2024	8	65550	Nova Power, LLC	IPP	Menifee Power Bank	CA	66494	NOVA3	50.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	50.0
2024	8	64433	Novel Bo Hu 1 Solar LLC	IPP	Novel Bo Hu 1 Solar LLC	MN	65006	BOHU1	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2024	8	64583	OE_FL7	IPP	OE_FL7	FL	65292	OE_FL	74.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.9
2024	8	14127	Omaha Public Power District	Electric Utility	Standing Bear Lake	NE	64548	1	16.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.1
2024	8	14127	Omaha Public Power District	Electric Utility	Standing Bear Lake	NE	64548	2	16.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.1
2024	8	14127	Omaha Public Power District	Electric Utility	Standing Bear Lake	NE	64548	3	16.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.1
2024	8	14127	Omaha Public Power District	Electric Utility	Standing Bear Lake	NE	64548	4	16.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.1
2024	8	14127	Omaha Public Power District	Electric Utility	Standing Bear Lake	NE	64548	5	16.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.1
2024	8	14127	Omaha Public Power District	Electric Utility	Standing Bear Lake	NE	64548	6	16.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.1
2024	8	14127	Omaha Public Power District	Electric Utility	Standing Bear Lake	NE	64548	7	16.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.1
2024	8	14127	Omaha Public Power District	Electric Utility	Standing Bear Lake	NE	64548	8	16.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.1
2024	8	14127	Omaha Public Power District	Electric Utility	Standing Bear Lake	NE	64548	9	16.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.1
2024	8	14127	Omaha Public Power District	Electric Utility	Turtle Creek	NE	64547	1	221.1	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	264.0
2024	8	14127	Omaha Public Power District	Electric Utility	Turtle Creek	NE	64547	2	221.1	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	264.0
2024	8	65098	Pechin Solar, LLC	IPP	Pechin Solar	PA	65903	9	14.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	14.0
2024	8	64752	Perendale Holdings, LLC	IPP	Perendale Holdings, LLC	NC	65426	GEN1	7.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	7.5
2024	8	65618	Pickerel Garden LLC	IPP	Pickerel Garden	MN	66578	MNC03	0.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	0.9
2024	8	65282	Prairie Switch Wind LLC	IPP	Prairie Switch Wind LLC	TX	66123	PSW1	163.2	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	163.2
2024	8	65869	Prologis Logistics Services Incorporated	IPP	CPA 2132 E Dominguez	CA	66957	PE901	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2024	8	65869	Prologis Logistics Services Incorporated	IPP	CPA 3777 Workman	CA	66953	PE328	1.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.9
2024	8	64994	SolRiver Capital LLC	IPP	Canyonville Solar LLC (CSG)	OR	66340	PV1	2.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.5
2024	8	64994	SolRiver Capital LLC	IPP	Marble Solar LLC (CSG)	OR	66351	PV1	2.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.9
2024	8	64994	SolRiver Capital LLC	IPP	Wallace Solar LLC (CSG)	OR	66355	PV1	3.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.0
2024	8	65970	Sunlight Road Solar, LLC	IPP	Sunlight Road Solar	LA	67071	SRS	50.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	50.0
2024	8	65777	Urban Grid Solar	IPP	Alton Post Office Solar	VA	66837	ALPT1	82.1	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	75.1
2024	9	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
2024	9	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
2024	9	64904	AES Clean Energy	IPP	Exeter Renewables 1	RI	67417	EXTR1	10.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	10.0
2024	9	65118	AlphaStruxure Service Co LP	Commercial	Brookville Smart Bus Depot Microgrid	MD	65945	GEN2	0.6	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	0.6
2024	9	65118	AlphaStruxure Service Co LP	Commercial	Brookville Smart Bus Depot Microgrid	MD	65945	GEN3	0.6	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	0.6
2024	9	65654	Birch Creek Development	IPP	Salt Creek Township Solar, LLC	IL	66633	PV	50.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	50.0
2024	9	65931	Cardinal Solar, LLC	IPP	Cardinal Solar, LLC	PA	67007	CARD	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2024	9	1148	City of Baldwin City- (KS)	Electric Utility	Baldwin City Plant No 2	KS	8020	10	2.0	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	2.2

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2024	9	1148	City of Baldwin City- (KS)	Electric Utility	Baldwin City Plant No 2	KS	8020	9	2.0	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	2.2
2024	9	64843	Dakota County, MN	Electric Utility	Byllesby	MN	50328	NOR-1	2.0	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	2.0
2024	9	64843	Dakota County, MN	Electric Utility	Byllesby	MN	50328	SOU-2	2.0	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	2.0
2024	9	65683	Dublin Street LLC	IPP	Dublin Street LLC	ME	66664	DBLNS	4.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.9
2024	9	64947	EDPR CA Solar Park II LLC	IPP	Sandrini Solar 100	CA	65664	GEN02	200.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	200.0
2024	9	65985	EF NY CDG 010, LLC	IPP	NY Attica 264 Maplewood Rd	NY	67136	20496	3.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.6
2024	9	65594	EnerSmart Storage	IPP	EnerSmart El Cajon BESS	CA	66754	EC01	3.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	3.0
2024	9	56201	Engie North America	IPP	Noosa Energy Storage LLC	CA	64531	KOV4A	99.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	99.0
2024	9	65693	Graceland Solar, LLC	IPP	Graceland Solar, LLC	TN	66687	GRA1	150.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	150.0
2024	9	60025	Greenbacker Renewable Energy Corporation	IPP	Our Katahdin	ME	67155	696	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	9	60025	Greenbacker Renewable Energy Corporation	IPP	Stockbridge	NY	67254	781	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	9	65572	Greene Community Solar LLC	IPP	Greene Community Solar	NY	66524	20738	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	9	66172	Hat Creek Bioenergy, LLC	IPP	Hat Creek Bioenergy	CA	67360	HAT01	2.9	Wood/Wood Waste Biomass	WDS	OT	(P) Planned for installation, but regulatory approvals not initiated	4.0
2024	9	65808	La Casa Wind, LLC	IPP	La Casa Wind	TX	66919	5309	150.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	150.0
2024	9	50123	Leeward Asset Management, LLC	IPP	AVEP BESS	CA	65591	AVEPB	126.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	126.0
2024	9	65671	Martin County Solar Project, LLC	IPP	Martin County Solar Project, LLC	KY	66646	USMTC	111.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	111.0
2024	9	12303	Merck & Co Inc-West Point	Industrial	West Point (PA)	PA	52149	GEN20	2.0	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	2.0
2024	9	56990	NJR Clean Energy Ventures Corporation	IPP	Foul Rift Solar Farm	NJ	67252	FLRFT	15.4	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	15.4
2024	9	56990	NJR Clean Energy Ventures Corporation	IPP	Norfolk Landfill Solar Project	CT	67483	NRFLK	4.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.0
2024	9	56990	NJR Clean Energy Ventures Corporation	IPP	Raffia Road Solar Project	CT	67484	FLRFT	4.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.0
2024	9	66007	NY Pulteney I, LLC	IPP	Chidsey Hill Road Solar	NY	65828	1666	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2024	9	61227	Nautilus Solar Solutions	IPP	Exeter Ten	RI	67410	SC	2.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.8
2024	9	61227	Nautilus Solar Solutions	IPP	Pomham Islander	RI	67447	SC	2.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.5
2024	9	61227	Nautilus Solar Solutions	IPP	Sheesley	NY	67329	SC	4.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.4
2024	9	61227	Nautilus Solar Solutions	IPP	Wolcott Hill (Camden)	NY	67426	SC	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	9	49896	Nevada Gold Energy, LLC	IPP	TS Power Plant	NV	56224	SOL2	100.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	100.0
2024	9	65550	Nova Power, LLC	IPP	Menifee Power Bank	CA	66494	NOVA4	110.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	110.0
2024	9	64377	Novel Blilie Solar, LLC	IPP	Novel Blilie Solar LLC	MN	64865	BLILE	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2024	9	66079	River Trail Solar, LLC	IPP	River Trail Solar, LLC	VA	67218	ENX22	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2024	9	65392	Riverstart Solar Park III LLC	IPP	Riverstart Solar Park III	IN	66269	RSS03	100.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	100.0
2024	9	66077	Shifting Sands Solar, LLC	IPP	Shifting Sands Solar, LLC	VA	67216	ENX24	18.8	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	18.8
2024	9	60970	SunShare Management	IPP	Oster Sun CSG	MN	66072	OSTRS	1.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.0
2024	9	60970	SunShare Management	IPP	Quarry Sun CSG	MN	66073	QURYS	1.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.0
2024	9	66078	Sunny Rock Solar, LLC	IPP	Sunny Rock Solar, LLC	VA	67217	ENX23	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2024	9	18454	Tampa Electric Co	Electric Utility	Dover Energy Storage	FL	67120	BESS1	15.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	15.0
2024	9	65552	Terra-Gen Operating Co-BESS 2	IPP	Placerita ESS	CA	66462	GEN1	80.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	88.0
2024	9	65552	Terra-Gen Operating Co-BESS 2	IPP	Sagebrush Solar 2 ESS 40	CA	66949	1	40.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	40.0
2024	9	65552	Terra-Gen Operating Co-BESS 2	IPP	Sagebrush Solar 2 ESS 59	CA	66950	1	59.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	59.0
2024	9	19499	United Power, Inc	Electric Utility	Frederick Battery Storage	CO	67302	FREBA	7.8	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	7.8
2024	9	65875	Washington County Solar, LLC	IPP	Washington County Solar	GA	66990	WASH	150.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	150.0
2024	9	65968	Yellow Pine Solar II, LLC	IPP	Yellow Pine II	NV	67091	YP2BP	65.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	65.0
2024	10	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
2024	10	64904	AES Clean Energy	IPP	Cavalier Solar A2	VA	67421	CAVA2	84.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	84.4
2024	10	64904	AES Clean Energy	IPP	Princetown Solar 1	NY	67414	PRNC1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	10	65819	Ables Springs Solar, LLC	IPP	Ables Springs Solar & Storage	TX	66905	BESS	100.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	100.0
2024	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
2024	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
2024	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
2024	10	15399	Avangrid Renewables LLC	IPP	Daybreak Solar	OR	64974	DBS1	140.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	140.0
2024	10	66001	Bayou Galion Solar Project, LLC	IPP	Bayou Galion Solar Project	LA	67104	BAYOU	98.1	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	98.1
2024	10	65742	Blue Bird Solar, LLC	IPP	Blue Bird Solar, LLC	MO	66747	BBS	139.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	139.0
2024	10	65694	Bright Arrow Solar, LLC	IPP	Bright Arrow Solar, LLC	TX	66688	BASS1	103.6	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	103.6
2024	10	65962	Catalyze Fort Worth 5200 Gold Spike Drive Microgrid, LLC	IPP	TX Fort Worth 5200 Gold Spike Drive	TX	67058	19599	4.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.0
2024	10	11135	City of Logan - (UT)	Electric Utility	Logan City 2	UT	67445	1	2.5	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	2.5
2024	10	11135	City of Logan - (UT)	Electric Utility	Logan City 2	UT	67445	2	2.5	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	2.5
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	5701	El Paso Electric Co	Electric Utility	Chihuahuan Desert Solar	TX	67174	10TXC	10.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	10.0
2024	10	64428	Evergy, Inc.	IPP	Osawatomie Solar	KS	67025	PV	4.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.9
2024	10	65381	Gravel Pit Solar, LLC	IPP	Gravel Pit Solar, LLC	CT	66268	GPS03	70.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	70.0
2024	10	65381	Gravel Pit Solar, LLC	IPP	Gravel Pit Solar, LLC	CT	66268	GPS04	50.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	50.0
2024	10	65805	GulfStar Power, LLC	IPP	GulfStar Power, LLC	TX	66871	BESS	300.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	300.0
2024	10	65805	GulfStar Power, LLC	IPP	GulfStar Power, LLC	TX	66871	SOLAR	451.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	451.6
2024	10	65076	HEN Infrastructure, L.L.C.	IPP	Pavlov	TX	67493	PAVLV	9.9	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	9.9
2024	10	65076	HEN Infrastructure, L.L.C.	IPP	Russek	TX	67495	RUSSK	9.9	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	9.9
2024	10	65076	HEN Infrastructure, L.L.C.	IPP	Sandlake	TX	67496	SDLKB	9.9	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	9.9
2024	10	62008	Hale Kuawehi Solar LLC	IPP	Hale Kuawehi Solar Hybrid	HI	62529	HKSOL	30.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	30.0
2024	10	63416	Ho'Ohana Solar 1 LLC	IPP	Ho'Ohana Solar 1	HI	63723	H0001	52.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	52.0
2024	10	63416	Ho'Ohana Solar 1 LLC	IPP	Ho'Ohana Solar 1	HI	63723	HESS1	52.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	52.0
2024	10	66127	Howard University	Electric CHP	CHP Plant	DC	67265	CTG-1	5.3	Natural Gas Fired Combined Cycle	NG	CT	(V) Under construction, more than 50 percent complete	5.7
2024	10	9210	International Paper Co-Riegelwood	Industrial	International Paper Riegelwood Mill	NC	54656	NO4	40.0	Wood/Wood Waste Biomass	BLQ	ST	(U) Under construction, less than or equal to 50 percent complete	40.0
2024	10	9417	Interstate Power and Light Co	Electric Utility	Creston Solar (50 MW)	IA	67536	PV1	50.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	50.0
2024	10	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Driver Solar	AR	65736	AKDR1	150.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	150.0
2024	10	65100	Listonburg Solar, LLC	IPP	Listonburg Solar	PA	65929	8	15.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	15.0
2024	10	61227	Nautilus Solar Solutions	IPP	North Woods	NY	67437	SC	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	10	61227	Nautilus Solar Solutions	IPP	Ver Plank North	NY	67337	SC	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2024	10	61227	Nautilus Solar Solutions	IPP	Ver Plank South	NY	67338	SC	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	10	13683	North Carolina El Member Corp	Electric Utility	Davistown-Mercer	NC	67036	BAT1	2.5	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	2.5
2024	10	66069	Paxton BESS 1 LLC	IPP	Paxton BESS 1	MA	67187	90912	3.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	3.0
2024	10	65398	Peregrine Energy Storage, LLC	IPP	Peregrine Energy Storage LLC	CA	66286	PERE1	200.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	200.0
2024	10	65959	SL Sherman II, LLC	IPP	NY SHERMAN 191 W MAIN ST - SL 2	NY	67035	21109	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	10	16609	San Diego Gas & Electric Co	Electric Utility	Dark Sky Energy Center	CA	66599	1	7.1	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	7.3
2024	10	16609	San Diego Gas & Electric Co	Electric Utility	Dark Sky Energy Center	CA	66599	2	0.3		H2	FC	(U) Under construction, less than or equal to 50 percent complete	0.3
2024	10	60970	SunShare Management	IPP	BecLee Solar CSG	CO	67364	BECLS	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	10	60970	SunShare Management	IPP	Lark Bunting Solar CSG	CO	67362	LARKS	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	10	57313	Tesla Inc.	Industrial	Fremont CA AutoFactory	CA	65072	GA3	1.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.5
2024	10	57313	Tesla Inc.	Industrial	Fremont CA AutoFactory	CA	65072	GVSRS	0.4	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.4
2024	10	57313	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

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	10	65173	United States Solar Corporation	IPP	USS Cogburn Solar LLC	CO	66436	USCOG	2.4	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.4
2024	10	65777	Urban Grid Solar	IPP	Jones Farm Solar	MD	66842	JONF1	64.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	64.0
2024	10	65640	Vineyard Wind 1 LLC	IPP	Vineyard Wind 1	MA	63093	VW01	800.0	Offshore Wind Turbine	WND	WS	(V) Under construction, more than 50 percent complete	800.0
2024	10	65645	Wadley Solar, LLC	IPP	Wadley Solar	GA	66626	WADLE	260.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	260.0
2024	11	65747	AB Newark (Fund IV) Operating, LLC	IPP	AB Newark Solar	NJ	66746	PV1	5.6	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.6
2024	11	61012	AES Distributed Energy	IPP	AES Mountain View Solar	HI	66002	MVSBA	7.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	7.0
2024	11	61012	AES Distributed Energy	IPP	AES Mountain View Solar	HI	66002	MVSPV	7.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	7.0
2024	11	61012	AES Distributed Energy	IPP	AES Waiawa Phase 2 Solar	HI	66066	WAIBA	30.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	30.0
2024	11	61012	AES Distributed Energy	IPP	AES Waiawa Phase 2 Solar	HI	66066	WAIPV	30.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	30.0
2024	11	65819	Ables Springs Solar, LLC	IPP	Ables Springs Solar & Storage	TX	66905	SOLAR	151.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	151.0
2024	11	65569	Afton Solar LLC	IPP	Afton Solar	NY	66521	18808	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	11	65852	Ben Milam Solar 2 LLC	IPP	Orion II Solar Project	TX	66941	ORN2	250.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	250.0
2024	11	10623	City of Lakeland - (FL)	Electric Utility	C D McIntosh Jr	FL	676	IC3	20.0	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	20.0
2024	11	10623	City of Lakeland - (FL)	Electric Utility	C D McIntosh Jr	FL	676	IC4	20.0	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	20.0
2024	11	10623	City of Lakeland - (FL)	Electric Utility	C D McIntosh Jr	FL	676	IC5	20.0	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	20.0
2024	11	10623	City of Lakeland - (FL)	Electric Utility	C D McIntosh Jr	FL	676	IC6	20.0	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	20.0
2024	11	10623	City of Lakeland - (FL)	Electric Utility	C D McIntosh Jr	FL	676	IC7	20.0	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	20.0
2024	11	10623	City of Lakeland - (FL)	Electric Utility	C D McIntosh Jr	FL	676	IC8	20.0	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	20.0
2024	11	11135	City of Logan - (UT)	Electric Utility	Logan City 2	UT	67445	3	2.5	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	2.5
2024	11	11135	City of Logan - (UT)	Electric Utility	Logan City 2	UT	67445	4	2.5	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	2.5
2024	11	65677	Dimension Energy LLC	IPP	RB Inyokern Solar WDAT 1203, LLC	CA	67533	INYO1	19.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	19.9
2024	11	65677	Dimension Energy LLC	IPP	RB Inyokern Solar WDAT 1281, LLC	CA	67534	INYO2	11.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	11.9
2024	11	6455	Duke Energy Florida, LLC	Electric Utility	County Line Renewable Energy Center	FL	67049	PV1	74.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.9
2024	11	65594	EnerSmart Storage	IPP	EnerSmart Mesa Heights Sub Station	CA	66552	MH162	3.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	3.0
2024	11	66142	Goose Prairie Solar LLC	IPP	Goose Prairie Solar	WA	67261	GOOSE	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2024	11	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
2024	11	64941	Hecate Energy Pulaski LLC	IPP	Hecate Energy Pulaski 1	VA	65665	HEPU1	150.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	150.0
2024	11	66165	IOWN Renewable	IPP	Pome BESS	CA	67299	10101	100.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	100.0
2024	11	9234	Indiana Municipal Power Agency	Electric Utility	IMPA Richmond 8 Solar Park	IN	66748	RICH8	6.1	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	6.1
2024	11	9417	Interstate Power and Light Co	Electric Utility	Wever Solar (150MW)	IA	67538	PV1	150.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	150.0
2024	11	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
2024	11	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Prairie Ronde Solar Farm	LA	65976	LAPR1	135.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	135.0
2024	11	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Starr Solar Ranch	TX	65975	TXST1	136.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	136.0
2024	11	66149	Magic Mountain Parkway Solar Project 2023, LLC	IPP	Six Flags Magic Mountain	CA	67283	6569	10.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	10.0
2024	11	66149	Magic Mountain Parkway Solar Project 2023, LLC	IPP	Six Flags Magic Mountain	CA	67283	6569B	2.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	2.0
2024	11	62759	National Grid Renewables	IPP	Unbridled Solar	KY	67165	UBSLR	45.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	45.0
2024	11	61227	Nautilus Solar Solutions	IPP	BNRG Norridgewock	ME	67429	SC	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	11	63969	Placid Solar, LLC	IPP	Highland Solar North	FL	64345	1112	74.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	74.9
2024	11	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
2024	11	65946	Quartz Solar, LLC	IPP	Quartz Solar, LLC	AR	67038	QRTZ	135.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	135.0
2024	11	65776	RPCA Solar 7, LLC	IPP	East Cleveland Road Solar	CA	66810	ECLE	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2024	11	65348	Ragsdale Solar, LLC	IPP	Ragsdale Solar LLC	MS	66240	GEN01	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
2024	11	27075	San Diego County Water Auth	IPP	Rancho Penasquitos	CA	56615	G200	4.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	4.3
2024	11	64994	SolRiver Capital LLC	IPP	Longleaf Pine Solar LLC	NC	66352	PV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2024	11	64994	SolRiver Capital LLC	IPP	Williams Solar LLC	NC	66356	PV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2024	11	65571	Solitude Solar Dix Duvall Rd Microgrid, LLC	IPP	NY Beaver Dams Dix 1239 Duvall Rd Solar	NY	66523	20149	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2024	11	65875	Washington County Solar, LLC	IPP	Decatur Solar	GA	67047	GEN1	200.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	200.0
2024	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
2024	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
2024	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
2024	12	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
2024	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
2024	12	61222	174 Power Global Corp.	IPP	Zenith Solar	VA	64768	TC001	60.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	60.0
2024	12	64904	AES Clean Energy	IPP	Calhoun County Solar Project	MI	64452	GEN1	125.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	125.0
2024	12	64904	AES Clean Energy	IPP	Mamm Creek	CO	67322	MCESS	10.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	11.2
2024	12	64904	AES Clean Energy	IPP	Mamm Creek	CO	67322	MCSCO	10.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	11.2
2024	12	64904	AES Clean Energy	IPP	Rexford Solar Farm	CA	64633	20SD8	300.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	300.0
2024	12	64904	AES Clean Energy	IPP	Rexford Solar Farm	CA	64633	20SDB	240.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	240.0
2024	12	56101	AMERESCO Ox Mountain Energy LLC	IPP	Ameresco Ox Mountain	CA	56895	7	2.8	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	3.0
2024	12	221	Alaska Village Elec Coop, Inc	Electric Utility	Bethel	AK	6566	8	2.9	Petroleum Liquids	DFO	IC	(T) Regulatory approvals received. Not under construction	2.9
2024	12	57079	Ameresco Butte County LLC	IPP	Ameresco Butte County	CA	57771	2	0.2	Landfill Gas	LFG	OT	(P) Planned for installation, but regulatory approvals not initiated	0.2
2024	12	66072	Anticline Wind, LLC	IPP	Anticline Wind	WY	67193	AC	124.3	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	124.3
2024	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
2024	12	15399	Avangrid Renewables LLC	IPP	True North Solar, LLC	TX	65998	TNS1	237.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	237.5
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	65654	Birch Creek Development	IPP	Envoy Solar, LLC	MO	66629	PV	50.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	50.0
2024	12	65654	Birch Creek Development	IPP	Richland Township Solar, LLC	IL	66630	PV	35.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	35.0
2024	12	64744	Boswell Wind, LLC	IPP	Boswell Wind	WY	65403	BOSWW	329.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	329.8
2024	12	61143	Bridge Energy LLC	Industrial	Blacksand Generating Facility	CA	56090	D191	0.8	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	0.8
2024	12	61143	Bridge Energy LLC	Industrial	Blacksand Generating Facility	CA	56090	D192	0.8	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	0.8
2024	12	66065	CTMW Solar, LLC	IPP	CTMW Solar, LLC	CA	67365	17180	1.3	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	1.3
2024	12	58416	California State University, Northridge	Commercial	CSU Northridge Plant	CA	58422	G6PV	0.7	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	0.8
2024	12	65870	Carol Wind, LLC	IPP	Carol Wind, LLC	TX	66976	WAPPA	167.8	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	167.8
2024	12	65515	Catalyze Moss Landing Hilltop Rd Microgrid, LLC	IPP	CA Moss Landing 3040 Hilltop Rd	CA	66510	19616	1.2	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	1.2
2024	12	65515	Catalyze Moss Landing Hilltop Rd Microgrid, LLC	IPP	CA Moss Landing 3040 Hilltop Rd	CA	66510	B9616	1.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	1.0
2024	12	65567	Catalyze Pasadena 10585 Red Bluff Road Microgrid, LLC	IPP	TX Pasadena 10585 Red Bluff Road Solar	TX	66519	19503	2.3	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.3
2024	12	65568	Catalyze Sunnyvale 367 Long Creek Road Microgrid, LLC	IPP	TX Sunnyvale 367 Long Creek Road Solar	TX	66520	19644	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2024	12	66129	Cedar Springs Wind IV, LLC	IPP	Cedar Springs Wind IV	WY	67289	CS4	390.4	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	390.4
2024	12	66200	Century Oak Wind Project, LLC	IPP	Century Oak Wind Project, LLC	TX	67425	COAKW	151.5	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	151.5
2024	12	60609	Clean Focus Renewables, Inc.	IPP	Rugged Solar LLC	CA	57960	1	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2024	12	56769	Consolidated Edison Development Inc.	IPP	Alamo 3 BESS 2	TX	66293	A3BS2	100.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	100.0
2024	12	56769	Consolidated Edison Development Inc.	IPP	Alamo 4 BESS	TX	66294	A4BS1	100.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	100.0
2024	12	56769	Consolidated Edison Development Inc.	IPP	Alamo 5 BESS 1	TX	66295	A5BS1	100.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	100.0
2024	12	56769	Consolidated Edison Development Inc.	IPP	Alamo 5 BESS 2	TX	66296	A5BS2	100.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	100.0
2024	12	56769	Consolidated Edison Development Inc.	IPP	Alamo 7 BESS 1	TX	66297	A7BS1	150.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	150.0
2024	12	56769	Consolidated Edison Development Inc.	IPP	Alamo 7 BESS 2	TX	66298	A7BS2	150.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	150.0

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	12	56769	Consolidated Edison Development Inc.	IPP	Crane 2 BESS 2	TX	66300	CRBS2	150.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	150.0
2024	12	56769	Consolidated Edison Development Inc.	IPP	Peregrine Solar	TX	65979	PSPV	300.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	300.0
2024	12	56769	Consolidated Edison Development Inc.	IPP	Switchgrass Solar, LLC	VA	66124	SSPV	70.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	70.0
2024	12	56769	Consolidated Edison Development Inc.	IPP	Upton BESS 2	TX	66303	UPBS2	150.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	150.0
2024	12	56769	Consolidated Edison Development Inc.	IPP	Uvalde 2 BESS 1	TX	66304	UVBS1	75.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	75.0
2024	12	56769	Consolidated Edison Development Inc.	IPP	Uvalde 2 BESS 2	TX	66305	UVBS2	150.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	150.0
2024	12	56769	Consolidated Edison Development Inc.	IPP	Uvalde Solar 2	TX	66309	UVPV2	300.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	300.0
2024	12	66014	DG Kendall, LLC	IPP	Kendall DG Solar	NY	67141	KEN	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2024	12	61785	EDP Renewables North America LLC	IPP	Scarlet Solar (CA)	CA	64908	GEN01	200.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	200.0
2024	12	61785	EDP Renewables North America LLC	IPP	Scarlet Solar (CA)	CA	64908	GEN02	40.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	40.0
2024	12	65859	EDPR Scarlet II LLC	IPP	Scarlet II Hybrid	CA	66951	GEN03	200.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	200.0
2024	12	65859	EDPR Scarlet II LLC	IPP	Scarlet II Hybrid	CA	66951	GEN04	150.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	150.0
2024	12	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	12	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
2024	12	65594	EnerSmart Storage	IPP	EnerSmart Imperial Beach BESS	CA	66551	IB192	3.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	3.0
2024	12	65594	EnerSmart Storage	IPP	EnerSmart Imperial Beach BESS	CA	66551	IB193	3.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	3.0
2024	12	56201	Engie North America	IPP	Antlia	TX	65588	ANTLA	70.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	70.0
2024	12	56201	Engie North America	IPP	Avila	TX	65860	AVILA	160.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	160.0
2024	12	56201	Engie North America	IPP	Cachi	TX	65861	CACHI	200.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	200.0
2024	12	56201	Engie North America	IPP	Carina	TX	65589	CARNA	150.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	150.0
2024	12	56201	Engie North America	IPP	Castor	TX	65870	CASTR	200.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	200.0
2024	12	56201	Engie North America	IPP	Desna	TX	65876	DESNA	200.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	200.0
2024	12	56201	Engie North America	IPP	Zeya	TX	65880	ZEYA	250.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	250.0
2024	12	65206	Eureka North Solar LLC	IPP	Eureka North Solar	NY	66042	63232	3.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.5
2024	12	65205	Eureka South Solar LLC	IPP	Eureka South Solar	NY	66041	63231	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	12	66089	FRP Columbia County Solar, LLC	IPP	Columbia County Solar	FL	67206	COLS	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2024	12	66088	FRP Gadsden County Solar, LLC	IPP	Gadsden County Solar	FL	67205	GADS	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2024	12	66090	FRP Gilchrist County Solar, LLC	IPP	Gilchrist County Solar	FL	67207	GILS	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2024	12	66063	FRP Tupelo Solar, LLC	IPP	Tupelo Solar	FL	67182	TUPS	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
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	7570	Great River Energy	Electric Utility	Cambridge CT Hybrid	MN	2038	BA1	1.2	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	1.5
2024	12	60025	Greenbacker Renewable Energy Corporation	IPP	Hogs Bay	ME	66768	694	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	12	60025	Greenbacker Renewable Energy Corporation	IPP	Lobelia 1	IL	67256	811	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	12	60025	Greenbacker Renewable Energy Corporation	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	12	60025	Greenbacker Renewable Energy Corporation	IPP	Tully 1	IL	67255	814	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	12	65680	Hanford BESS LLC	IPP	Lead BESS 1	CA	66660	HAN	99.4	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	99.4
2024	12	65680	Hanford BESS LLC	IPP	Lead BESS 2	CA	66662	BIA	32.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	32.0
2024	12	66091	Harmony Florida Solar II, LLC	IPP	Harmony Florida Solar II	FL	67208	HARS	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2024	12	65655	Harquahala Sun Solar Project	IPP	Harquahala Sun Solar Project	AZ	66670	HARQ1	150.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	150.0
2024	12	65681	Henrietta BESS LLC	IPP	Electrolyte BESS	CA	66661	HEN	99.4	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	99.4
2024	12	65829	Hill Solar 1, LLC	IPP	Hill Solar 1, LLC	TX	66912	HS1	405.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	405.0
2024	12	66199	Hopkins Energy LLC	IPP	Hopkins Energy LLC	TX	67424	HOPKS	250.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	250.0
2024	12	9273	Indianapolis Power & Light Co	Electric Utility	Pike County Energy Storage	IN	66881	BAT2	200.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	200.0
2024	12	9417	Interstate Power and Light Co	Electric Utility	Duane Arnold Solar II (150MW)	IA	67537	PV1	150.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	150.0
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	49893	Invenergy Services LLC	IPP	Hardin Solar Energy II LLC	OH	63828	GEN1	150.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	150.0
2024	12	49893	Invenergy Services LLC	IPP	Maple Flats	IL	66191	65015	250.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	250.0
2024	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
2024	12	65656	Kiowa County Solar Project, LLC	IPP	Kiowa County Solar Project, LLC	OK	66642	USKWA	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
2024	12	50123	Leeward Asset Management, LLC	IPP	Morrow Lake Solar	TX	66775	MLPV	200.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	200.0
2024	12	50123	Leeward Asset Management, LLC	IPP	Ridgely Energy Farm	TN	65445	RIGPV	254.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	254.0
2024	12	62664	Lock 14 Hydro Partners, LLC	IPP	Heidelberg Hydroelectric Project	KY	62749	1	0.6	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.6
2024	12	62664	Lock 14 Hydro Partners, LLC	IPP	Heidelberg Hydroelectric Project	KY	62749	2	0.6	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.6
2024	12	62664	Lock 14 Hydro Partners, LLC	IPP	Heidelberg Hydroelectric Project	KY	62749	3	0.2	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.2
2024	12	62664	Lock 14 Hydro Partners, LLC	IPP	Heidelberg Hydroelectric Project	KY	62749	4	0.2	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.2
2024	12	62664	Lock 14 Hydro Partners, LLC	IPP	Heidelberg Hydroelectric Project	KY	62749	5	0.6	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.6
2024	12	62664	Lock 14 Hydro Partners, LLC	IPP	Heidelberg Hydroelectric Project	KY	62749	6	0.6	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.6
2024	12	61752	Lone Star Solar	IPP	Lone Star Solar	SC	62235	49	66.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	66.0
2024	12	61752	Lone Star Solar	IPP	Lone Star Solar	SC	62235	50	66.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	66.0
2024	12	61944	MN8 Energy LLC	IPP	Dynamic - Leeds Solar	ME	67013	GEN1	4.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.9
2024	12	65678	Malaga BESS LLC	IPP	Acid BESS	CA	66659	MAL	97.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	97.0
2024	12	12320	Merck & Co Inc	Industrial	Elkton	VA	52148	GEN10	2.0	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	2.0
2024	12	65862	NY Lodi I, LLC	IPP	Halsey Lane Solar	NY	65827	1795	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	12	62759	National Grid Renewables	IPP	Fillmore County Solar Project	MN	67168	FILCO	45.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	45.0
2024	12	62759	National Grid Renewables	IPP	Louise Solar	MN	67167	LSSLR	50.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	50.0
2024	12	61227	Nautilus Solar Solutions	IPP	BRNG Nicolin	ME	67428	SC	3.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.3
2024	12	61227	Nautilus Solar Solutions	IPP	Exeter Mail	RI	67411	SC	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	12	61227	Nautilus Solar Solutions	IPP	KE73	DE	67391	SC	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2024	12	65947	Northern Orchard Solar PV, LLC	IPP	Northern Orchard Solar PV, LLC	CA	67039	NO1	150.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	150.0
2024	12	65947	Northern Orchard Solar PV, LLC	IPP	Northern Orchard Solar PV, LLC	CA	67039	NOBAT	92.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	92.0
2024	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
2024	12	65778	OE_CAB1	IPP	OE_CAB1	CA	66808	OCAB	99.7	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	99.7
2024	12	65816	OE_ESCL	IPP	OE_ESCL	NM	66888	OESCL	200.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	200.0
2024	12	64584	OE_MS4	IPP	OE_MS4	MS	65293	OEMS4	96.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	96.0
2024	12	66233	Oliver Wind IV, LLC	IPP	Oliver Wind IV	ND	67502	GEN4	198.8	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	198.8
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	65302	Ponderosa Wind II, LLC	IPP	Ponderosa Wind II	OK	66155	GP01	100.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	100.0
2024	12	64610	Powells Creek Farm Solar, LLC	IPP	Powells Creek Solar - Hybrid	VA	65305	BESS	17.5	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	17.5
2024	12	65869	Prologis Logistics Services Incorporated	IPP	CPA Wilmington 1	CA	66959	PE001	1.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.8
2024	12	65869	Prologis Logistics Services Incorporated	IPP	IPC 25 Solar	CA	67069	CV525	2.4	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.4
2024	12	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
2024	12	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
2024	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
2024	12	65093	RPCA Storage 1, LLC	IPP	Industrial Parkway Storage	CA	65897	INPKY	9.8	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	9.8
2024	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
2024	12	66146	Ruggirello Solar, LLC	IPP	FFP - NY Ruggirello	NY	67280	P5649	2.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.0
2024	12	65573	SL Fredonia, LLC	IPP	NY Fredonia 9824 Route 60 Solar	NY	66525	21105	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)
2024	12	65304	SR Ailey, LLC	IPP	SR Ailey	GA	66173	AILEY	80.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	80.0
2024	12	66021	SR Albany, LLC	IPP	SR Albany, LLC	TN	67126	ALBNY	4.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.3
2024	12	66019	SR Blount, LLC	IPP	SR Blount, LLC	TN	67124	BLOUN	1.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.5
2024	12	66020	SR Christiana, LLC	IPP	SR Christiana, LLC	TN	67125	CHRIS	3.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.3
2024	12	66022	SR Lambert I, LLC	IPP	SR Lambert I, LLC	SC	67129	LAMB1	100.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	100.0
2024	12	66012	SR Marshall, LLC	IPP	SR Marshall, LLC	MS	67134	MARSH	4.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.8
2024	12	66011	SR Monroe, LLC	IPP	SR Monroe, LLC	TN	67133	MONRO	4.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.8
2024	12	66010	SR Panola I, LLC	IPP	SR Panola I, LLC	MS	67132	PANO1	4.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.8
2024	12	66008	SR Panola II, LLC	IPP	SR Panola II, LLC	MS	67130	PANO2	4.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.8
2024	12	66009	SR Panola III, LLC	IPP	SR Panola III, LLC	MS	67131	PANO3	3.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.5
2024	12	65743	SR Russellville, LLC	IPP	SR Russellville	KY	66818	RUSVL	173.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	173.0
2024	12	66024	SR Toombs I, LLC	IPP	SR Toombs, LLC	GA	67127	TOOM1	250.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	250.0
2024	12	66038	SR Warren, LLC	IPP	SR Warren, LLC	KY	67164	WARRN	3.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.5
2024	12	66013	SR West Marshall, LLC	IPP	SR West Marshall, LLC	MS	67135	WMARS	4.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.8
2024	12	64607	Salt City Solar LLC	IPP	Salt City Solar Project - Hybrid	OH	65302	BESS	12.5	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	12.5
2024	12	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
2024	12	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
2024	12	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
2024	12	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
2024	12	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
2024	12	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
2024	12	64783	Spanish Peaks Solar LLC	IPP	Spanish Peaks Solar	CO	62379	47301	140.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	140.0
2024	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
2024	12	66092	Storey Bend Solar, LLC	IPP	Storey Bend Solar	FL	67209	STOS	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2024	12	64778	Strata Manager, LLC	IPP	Inland Empire Energy Storage	CA	66726	IEESS	70.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	70.0
2024	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
2024	12	64612	Sunnybrook Farm Solar, LLC	IPP	Sunnybrook Solar Project - Hybrid	VA	65307	SUNB	12.5	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	12.5
2024	12	18454	Tampa Electric Co	Electric Utility	Bullfrog Creek Solar	FL	67203	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2024	12	18454	Tampa Electric Co	Electric Utility	English Creek Solar	FL	66921	1	23.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	23.0
2024	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
2024	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
2024	12	64789	West Memphis Solar, LLC	IPP	West Memphis Solar, LLC	AR	65482	WMEM1	180.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	180.0
2024	12	65601	Wheatridge East Wind LLC	IPP	Wheatridge East Wind	OR	66560	WREW	200.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	200.0
2024	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
2024	12	20847	Wisconsin Electric Power Co	Electric Utility	Paris Solar	WI	65967	PSLR1	200.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	200.0
2024	12	20856	Wisconsin Power & Light Co	Electric Utility	Nortera Customer Hosted 1.6MW Solar	WI	67539	PV1	1.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.6
2024	12	60059	ZGlobal Inc	IPP	Lara 2 Hybrid	CA	67234	LARAB	0.9	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	0.9
2024	12	60059	ZGlobal Inc	IPP	Lara 2 Hybrid	CA	67234	LARAS	0.7	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	0.7
2024	12	65165	ibV Energy Partners	IPP	Boulder Flats Solar	NV	65977	BF1PV	131.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	113.0
2025	1	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
2025	1	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
2025	1	59613	BayWa r.e. Solar Projects LLC	IPP	Bluebird Solar LLC	KY	62797	BBIRD	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2025	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
2025	1	65442	Cobalt Solar, LLC	IPP	Cobalt Solar, LLC	PA	66364	COBAL	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2025	1	65651	Double Back Diamond Solar Power, LLC	IPP	Double Back Diamond	IL	66624	DBD	592.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	592.8
2025	1	65594	EnerSmart Storage	IPP	EnerSmart Murray BESS	CA	66755	M01	3.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	3.0
2025	1	65594	EnerSmart Storage	IPP	EnerSmart Murray BESS	CA	66755	M02	3.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	3.0
2025	1	65594	EnerSmart Storage	IPP	EnerSmart Murray BESS	CA	66755	M03	3.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	3.0
2025	1	65594	EnerSmart Storage	IPP	EnerSmart Murray BESS	CA	66755	M04	3.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	3.0
2025	1	65594	EnerSmart Storage	IPP	EnerSmart Murray BESS	CA	66755	M05	3.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	3.0
2025	1	65594	EnerSmart Storage	IPP	EnerSmart Murray BESS	CA	66755	M06	3.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	3.0
2025	1	6452	Florida Power & Light Co	Electric Utility	Buttonwood	FL	65920	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2025	1	6452	Florida Power & Light Co	Electric Utility	Fawn	FL	65919	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2025	1	6452	Florida Power & Light Co	Electric Utility	Fox Trail	FL	65916	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2025	1	6452	Florida Power & Light Co	Electric Utility	Green Pasture	FL	65918	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2025	1	6452	Florida Power & Light Co	Electric Utility	Hog Bay	FL	65915	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2025	1	6452	Florida Power & Light Co	Electric Utility	Holopaw	FL	65922	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2025	1	6452	Florida Power & Light Co	Electric Utility	Honeybell	FL	65921	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2025	1	6452	Florida Power & Light Co	Electric Utility	Redlands	FL	65914	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2025	1	6452	Florida Power & Light Co	Electric Utility	Thomas Creek	FL	65917	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2025	1	12796	Monongahela Power Co	Electric Utility	Marlowe Solar	WV	66899	MARS	5.8	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.8
2025	1	12796	Monongahela Power Co	Electric Utility	Rivesville Solar	WV	66900	RIVS	5.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.5
2025	1	12796	Monongahela Power Co	Electric Utility	Wylie Ridge Solar	WV	66901	WRS	8.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	8.4
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	34691	Ormat Nevada Inc	IPP	Beowawe	NV	10287	BWSOL	5.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.8
2025	1	61298	Pine Gate Renewables	IPP	Olin Creek Farm Solar	NC	64626	OLINC	35.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	35.0
2025	1	65957	Solitude Solar New Hartford Oxford Microgrid, LLC	IPP	3715 Oxford RD	NY	67033	20148	3.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.8
2025	1	18315	Sunflower Electric Power Corp	Electric Utility	Russell	KS	67320	1	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2025	1	18454	Tampa Electric Co	Electric Utility	Lake Mabel Storage	FL	66641	BESS1	40.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	40.0
2025	1	57313	Tesla Inc.	Industrial	Austin TX GigaFactory	TX	65070	A04	1.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.9
2025	1	57313	Tesla Inc.	Industrial	Fremont CA AutoFactory	CA	65072	VSRS	0.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	0.4
2025	1	65777	Urban Grid Solar	IPP	Aspen Road Solar	PA	66838	ASPR1	106.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.1
2025	1	20856	Wisconsin Power & Light Co	Electric Utility	UW Kegonsa Customer Hosted 2.25MW Solar	WI	67540	PV1	2.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.3
2025	2	64904	AES Clean Energy	IPP	McFarland C	AZ	67498	MCFRC	185.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	185.0
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	(P) Planned for installation, but regulatory approvals not initiated	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	(P) Planned for installation, but regulatory approvals not initiated	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	(P) Planned for installation, but regulatory approvals not initiated	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	(P) Planned for installation, but regulatory approvals not initiated	390.0
2025	2	9234	Indiana Municipal Power Agency	Electric Utility	IMPA Tipton 2 Solar Park	IN	66937	TIPT2	2.7	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.7
2025	2	18454	Tampa Electric Co	Electric Utility	Wimauma Storage	FL	66640	BESS1	40.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	40.0
2025	2	65396	Viracocha Wind LLC	IPP	Sand Hill B	CA	63652	SNDHB	17.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	17.0
2025	2	65396	Viracocha Wind LLC	IPP	Sand Hill C	CA	63653	SNDHC	80.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	80.0
2025	3	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
2025	3	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
2025	3	66064	Bexar ESS, LLC	IPP	Bexar ESS	TX	66400	OCBEX	100.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	100.0
2025	3	65813	CES Electron Farm One, LLC	IPP	CES Electron Farm One, LLC	CA	66892	CNFTI	4.4	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.4
2025	3	66018	Excel Advantage Services, LLC	IPP	Fagus Solar Park	TX	67123	MISII	517.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	517.0

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	6452	Florida Power & Light Co	Electric Utility	Big Water	FL	65912	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2025	3	6452	Florida Power & Light Co	Electric Utility	Crystal Mine	FL	65913	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2025	3	6452	Florida Power & Light Co	Electric Utility	Georges Lake	FL	65907	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2025	3	6452	Florida Power & Light Co	Electric Utility	Hendry Isles	FL	65909	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2025	3	6452	Florida Power & Light Co	Electric Utility	Mitchell Creek	FL	65911	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2025	3	6452	Florida Power & Light Co	Electric Utility	Norton Creek	FL	65908	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2025	3	62856	Forefront Power, LLC	IPP	CA-Ventura County CCD-Ventura College	CA	65527	17024	2.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.5
2025	3	9234	Indiana Municipal Power Agency	Electric Utility	IMPA Veedersburg Solar Park	IN	66938	VEED	1.4	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.4
2025	3	9234	Indiana Municipal Power Agency	Electric Utility	IMPA Winamac Solar Park	IN	66939	WINA	3.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.3
2025	3	50123	Leeward Asset Management, LLC	IPP	Ridgely Energy Farm	TN	65445	RBESS	50.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	50.0
2025	3	50123	Leeward Asset Management, LLC	IPP	Sandhill Solar 2	GA	65884	SAHS0	200.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	200.0
2025	3	65789	Marion County Solar Project, LLC	IPP	Marion County Solar Project	OH	66860	USMNC	100.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	100.0
2025	3	34691	Ormat Nevada Inc	IPP	McGinness Hills 3	NV	61912	MHSOL	14.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	14.0
2025	3	65456	Ostrea Solar, LLC	IPP	Ostrea Solar, LLC	WA	66384	GEN1	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2025	3	66094	Pleasant Valley Solar, LLC	IPP	Matrix Pleasant Valley	ID	67211	MRPV	200.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	200.0
2025	3	5624	RED-Rochester, LLC	Industrial	RED-Rochester, LLC	NY	10025	49CTG	36.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	42.0
2025	3	65071	SloughHouse Solar, LLC	IPP	SloughHouse Solar, LLC	CA	65807	SHS	50.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	50.0
2025	3	65427	Tidwell Prairie	IPP	Tidwell Prairie Storage 1	TX	66337	SGES1	200.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	200.0
2025	3	65104	Vermillion Rise Solar, LLC	IPP	Vermillion Rise Solar	IN	65935	BAT	40.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	40.0
2025	4	65997	Amite Solar, LLC	IPP	Amite Solar, LLC	LA	67088	AMITE	100.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	100.0
2025	4	65673	Blackwell Test Facility, LLC	IPP	Blackwell Test Facility, LLC	CA	66648	BLKWL	2.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	2.0
2025	4	59774	Crawfordsville Energy LLC	IPP	Crawfordsville Power Plant	IN	1024	8	16.3	Natural Gas Fired Combined Cycle	NG	CS	(T) Regulatory approvals received. Not under construction	16.3
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	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Mountain Holly Solar	PA	66556	PAMH1	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2025	4	65676	Long Lake Solar, LLC	IPP	Long Lake Solar, LLC	AR	66649	LLS	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2025	4	65088	Nighthawk Energy Storage, LLC	IPP	Nighthawk Energy Storage, LLC	CA	65889	BESS	300.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	300.0
2025	4	65081	Oriana Solar LLC	IPP	Oriana Solar LLC	TX	65849	ORIPV	180.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	180.0
2025	4	64778	Strata Manager, LLC	IPP	Scatter Wash 1	AZ	67454	SW1	170.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	170.0
2025	4	65082	Talitha Energy Project, LLC	IPP	Talitha Energy Project, LLC	TX	65891	TALPV	131.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	131.0
2025	4	18454	Tampa Electric Co	Electric Utility	South Tampa Energy Storage	FL	66869	BESS1	20.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	20.0
2025	4	64808	Verizon Communications	IPP	Verizon Comms Garage Top Solar Project	CA	65507	VCGSP	2.3	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.3
2025	4	64545	Vesper Energy Development LLC	IPP	Hornet Solar (TX)	TX	65463	HRNET	600.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	600.0
2025	4	65703	Winfield Solar I, LLC	IPP	Winfield Solar	MO	66696	WINSP	167.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	167.0
2025	5	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
2025	5	65410	ACTX BESS Project LLC	IPP	Ash Creek BESS	TX	66391	BESS	306.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	306.0
2025	5	796	Arizona Electric Pwr Coop Inc	Electric Utility	Apache Station	AZ	160	GT5	37.9	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	41.4
2025	5	796	Arizona Electric Pwr Coop Inc	Electric Utility	Apache Station	AZ	160	GT6	37.9	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	41.4
2025	5	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generation Station	ND	57881	05	210.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	235.0
2025	5	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generation Station	ND	57881	31	17.8	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.8
2025	5	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generation Station	ND	57881	32	17.8	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.8
2025	5	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generation Station	ND	57881	33	17.8	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.8
2025	5	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generation Station	ND	57881	34	17.8	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.8
2025	5	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generation Station	ND	57881	35	17.8	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.8
2025	5	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generation Station	ND	57881	36	17.8	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.8
2025	5	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
2025	5	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
2025	5	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
2025	5	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
2025	5	65936	CPV Backbone Solar, LLC	IPP	CPV Backbone Solar	MD	67022	BB1	160.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	175.0
2025	5	66107	Carne Energy Storage, LLC	IPP	Carne Energy Storage, LLC	NM	67230	CS	130.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	130.0
2025	5	56769	Consolidated Edison Development Inc.	IPP	Peregrine BESS 1	TX	66301	PGBS1	150.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	150.0
2025	5	56769	Consolidated Edison Development Inc.	IPP	Peregrine BESS 2	TX	66302	PGBS2	150.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	150.0
2025	5	66217	Copia Power	IPP	Harquahala 2	AZ	67474	BESS1	150.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	150.0
2025	5	66217	Copia Power	IPP	Harquahala 2	AZ	67474	PV1	150.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	150.0
2025	5	62733	Cranberry Point Energy Storage LLC	IPP	Cranberry Point Energy Storage	MA	62844	NA	150.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	150.0
2025	5	61060	Cypress Creek Renewables	IPP	High Top Solar	WA	65325	98936	80.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	80.0
2025	5	65814	GGS Energy LLC	IPP	Indigo Solar & Storage	TX	66891	245BS	50.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	50.0
2025	5	65814	GGS Energy LLC	IPP	Indigo Solar & Storage	TX	66891	IS245	125.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	125.0
2025	5	57045	Guadalupe Power Partners LP	IPP	Guadalupe Generating Station	TX	55153	CTGP1	160.0	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	160.0
2025	5	57045	Guadalupe Power Partners LP	IPP	Guadalupe Generating Station	TX	55153	CTGP2	160.0	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	160.0
2025	5	65454	Healing Springs Solar, LLC	IPP	Healing Springs Solar, LLC	NC	66382	GEN1	55.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	55.0
2025	5	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
2025	5	65920	Kindle Energy LLC	IPP	Magnolia Power	LA	67005	MAGU1	678.7	Natural Gas Fired Combined Cycle	NG	CS	(U) Under construction, less than or equal to 50 percent complete	722.9
2025	5	66210	Lane City Wind, LLC	IPP	Lane City Wind	TX	67443	LCW1	202.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	202.5
2025	5	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Mountain Daisy	CO	66557	COMD1	161.7	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	161.7
2025	5	11269	Lower Colorado River Authority	Electric Utility	Maxwell Peaker Plant	TX	66335	G1	18.4	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.8
2025	5	11269	Lower Colorado River Authority	Electric Utility	Maxwell Peaker Plant	TX	66335	G10	18.4	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.8
2025	5	11269	Lower Colorado River Authority	Electric Utility	Maxwell Peaker Plant	TX	66335	G2	18.4	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.8
2025	5	11269	Lower Colorado River Authority	Electric Utility	Maxwell Peaker Plant	TX	66335	G3	18.4	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.8
2025	5	11269	Lower Colorado River Authority	Electric Utility	Maxwell Peaker Plant	TX	66335	G4	18.4	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.8
2025	5	11269	Lower Colorado River Authority	Electric Utility	Maxwell Peaker Plant	TX	66335	G5	18.4	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.8
2025	5	11269	Lower Colorado River Authority	Electric Utility	Maxwell Peaker Plant	TX	66335	G6	18.4	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.8
2025	5	11269	Lower Colorado River Authority	Electric Utility	Maxwell Peaker Plant	TX	66335	G7	18.4	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.8
2025	5	11269	Lower Colorado River Authority	Electric Utility	Maxwell Peaker Plant	TX	66335	G8	18.4	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.8
2025	5	11269	Lower Colorado River Authority	Electric Utility	Maxwell Peaker Plant	TX	66335	G9	18.4	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.8
2025	5	65445	MRG Goody Solar Project, LLC	IPP	MRG Goody Solar Project Hybrid	TX	66390	GDYES	50.4	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	50.4
2025	5	65445	MRG Goody Solar Project, LLC	IPP	MRG Goody Solar Project Hybrid	TX	66390	GDYPV	171.7	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	171.7
2025	5	65081	Oriana Solar LLC	IPP	Oriana Solar LLC	TX	65849	ORIBS	61.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	61.0
2025	5	65751	RE Papago LLC	IPP	Papago Energy Storage	AZ	66779	PPABA	300.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	300.0
2025	5	65114	Rocking R Solar, LLC	IPP	Rocking R Solar, LLC	LA	65941	RRS	72.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	72.5
2025	5	66141	Solar PV Development NM 18 II LLC	IPP	Solar PV Development NM 18 II LLC	NM	67260	SPD	130.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	130.0
2025	5	65079	Solar Proponent LLC	IPP	Rowdy Creek Solar and BESS	TX	65854	RDYBS	350.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	350.0
2025	5	65079	Solar Proponent LLC	IPP	Rowdy Creek Solar and BESS	TX	65854	RDYPV	700.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	700.0
2025	5	17633	Southern Indiana Gas & Elec Co	Electric Utility	A B Brown	IN	6137	6	226.5	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	248.3
2025	5	17633	Southern Indiana Gas & Elec Co	Electric Utility	A B Brown	IN	6137	7	226.5	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	248.3
2025	5	17633	Southern Indiana Gas & Elec Co	Electric Utility	Posey Solar	IN	66780	1	191.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	191.0
2025	5	64778	Strata Manager, LLC	IPP	Scatter Wash 2	AZ	67455	SW2	85.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	85.0

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	5	65396	Viracocha Wind LLC	IPP	Rooney Ranch	CA	63088	ROONR	21.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	21.0
2025	5	65396	Viracocha Wind LLC	IPP	Sand Hill A	CA	63126	SNDHA	13.5	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	13.5
2025	6	65759	Ash Creek	IPP	Ash Creek Solar	TX	66774	78663	408.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	408.9
2025	6	15399	Avangrid Renewables LLC	IPP	Powell Creek Solar	OH	65997	PCS1	150.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	150.0
2025	6	64787	Axial Basin Solar LLC	IPP	Axial Basin Solar	CO	65480	CO505	145.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	145.0
2025	6	66061	BQ Energy Development	IPP	Yeoman Creek	IL	61910	YEOM	7.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	7.0
2025	6	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
2025	6	64739	Black Walnut Energy Storage LLC	IPP	Black Walnut Energy Storage LLC	CA	65396	BW1	15.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	15.0
2025	6	65512	Catalyze Bloomington 2551 S Lilac Avenue Microgrid LLC	IPP	CA Bloomington 2551 S Lilac Avenue Micro	CA	66475	18263	1.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.5
2025	6	65512	Catalyze Bloomington 2551 S Lilac Avenue Microgrid LLC	IPP	CA Bloomington 2551 S Lilac Avenue Micro	CA	66475	B8263	1.5	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	1.5
2025	6	65559	Catalyze Riverside 2356 Fleetwood Drive Microgrid LLC	IPP	CA Riverside 2356 Fleetwood Dr.	CA	66511	18262	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2025	6	65559	Catalyze Riverside 2356 Fleetwood Drive Microgrid LLC	IPP	CA Riverside 2356 Fleetwood Dr.	CA	66511	B8262	2.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	2.0
2025	6	4254	Consumers Energy Co - (MI)	Electric Utility	Muskegon Solar	MI	65572	MSP	250.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	250.0
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	65762	Elevate Middletown, LLC	IPP	Elevate Middletown	CT	66786	ELVMT	275.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	275.0
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	63524	Freepoint Commodities LLC	IPP	Raceway Solar	DE	63846	RACE	50.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	50.0
2025	6	65761	GB Arthur Kill Storage LLC	IPP	Elevate Arthur Kill	NY	66785	ELVAK	15.1	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	15.1
2025	6	65961	Grimes County Solar Project, LLC	IPP	Grimes County Solar	TX	67046	GS1	210.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	210.0
2025	6	64970	Hecate Grid Humidor Storage 1 LLC	IPP	Humidor Storage I	CA	65703	HEHUM	300.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	300.0
2025	6	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
2025	6	66070	Hornshadow Solar II, LLC	IPP	Hornshadow Solar II, LLC	UT	67511	HS2ES	50.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	50.0
2025	6	66070	Hornshadow Solar II, LLC	IPP	Hornshadow Solar II, LLC	UT	67511	HS2L	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2025	6	66059	Hornshadow Solar, LLC	IPP	Hornshadow Solar, LLC	UT	67497	HSESS	25.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	25.0
2025	6	66059	Hornshadow Solar, LLC	IPP	Hornshadow Solar, LLC	UT	67497	HSL	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2025	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
2025	6	65792	IIT Energy Tech Partners, LLC	Commercial	ITT Cogen Facility	IL	52021	GEN3	4.1	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.1
2025	6	65792	IIT Energy Tech Partners, LLC	Commercial	ITT Cogen Facility	IL	52021	GEN4	4.1	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.1
2025	6	50123	Leeward Asset Management, LLC	IPP	Union Ridge Solar	OH	65338	UNIS1	108.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	108.0
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	6	65627	NRG THW GT LLC	IPP	NRG THW GT Electric Generating Station	TX	66601	GT61	204.0	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	188.7
2025	6	65627	NRG THW GT LLC	IPP	NRG THW GT Electric Generating Station	TX	66601	GT62	204.0	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	188.7
2025	6	58489	OCI Solar Power	IPP	OCI SunRoper	TX	65893	OCIES	260.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	260.0
2025	6	58489	OCI Solar Power	IPP	OCI SunRoper	TX	65893	OCIRO	260.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	260.0
2025	6	64387	Sandy Creek Solar LLC	IPP	Sandy Creek Solar	NY	64913	GEN1	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2025	6	66226	Serrano Solar, LLC	IPP	Serrano	AZ	67503	GEN01	170.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	170.0
2025	6	66226	Serrano Solar, LLC	IPP	Serrano	AZ	67503	GEN02	213.8	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	213.8
2025	6	66095	Stillhouse Solar LLC	IPP	OCI Stillhouse Solar	TX	65894	OCISS	210.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	210.0
2025	6	66152	Sun Streams Expansion, LLC	IPP	Sun Streams 4	AZ	67291	GEN01	300.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	300.0
2025	6	66152	Sun Streams Expansion, LLC	IPP	Sun Streams 4	AZ	67291	GEN02	300.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	300.0
2025	6	65815	Sunraycer Assets I LLC	IPP	Albatross Solar, LLC	TX	66894	ALBBA	50.4	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	50.4
2025	6	65815	Sunraycer Assets I LLC	IPP	Albatross Solar, LLC	TX	66894	ALBPV	101.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	101.0
2025	6	63626	Two Rivers Wind LLC	IPP	Two Rivers Wind Facility	WY	63972	TR1	6.1	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	6.1
2025	6	65777	Urban Grid Solar	IPP	Egypt Road Solar	MD	66840	EGYR1	51.1	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	51.1
2025	6	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
2025	6	65329	Yaupon Solar, LLC	IPP	Yaupon Solar Project (Hybrid)	TX	66216	BESS	100.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	100.0
2025	6	65329	Yaupon Solar, LLC	IPP	Yaupon Solar Project (Hybrid)	TX	66216	SOL	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2025	7	61012	AES Distributed Energy	IPP	Glen Canyon Solar A, LLC	UT	66484	GCA	95.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	95.0
2025	7	13157	City of Omaha	Commercial	Papillion Creek Wastewater	NE	55027	1600C	2.4	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	2.5
2025	7	13157	City of Omaha	Commercial	Papillion Creek Wastewater	NE	55027	1600D	2.4	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	2.5
2025	7	17539	Dominion Energy South Carolina, Inc	Electric Utility	Parr GT	SC	3291	GT5	40.3	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. 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	(T) Regulatory approvals received. Not under construction	65.4
2025	7	65096	Hatchery Solar, LLC	IPP	Hatchery Solar	NY	65901	6	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2025	7	11208	Los Angeles Department of Water & Power	Electric Utility	Intermountain Power Project	UT	6481	3	420.0	Natural Gas Fired Combined Cycle	NG	CS	(P) Planned for installation, but regulatory approvals not initiated	420.0
2025	7	11208	Los Angeles Department of Water & Power	Electric Utility	Intermountain Power Project	UT	6481	4	420.0	Natural Gas Fired Combined Cycle	NG	CS	(P) Planned for installation, but regulatory approvals not initiated	420.0
2025	7	64684	Mulligan Solar	IPP	Mulligan Solar, LLC	IL	65349	MLGA2	40.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	40.0
2025	7	58489	OCI Solar Power	IPP	OCI Lone Sun	TX	66399	OCILS	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2025	7	64953	Putnam Meadow Solar Station, LLC	IPP	Putnam Meadow Solar Station	CT	65710	PTNM	4.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.0
2025	7	65079	Solar Proponent LLC	IPP	Flag City Solar	TX	65844	FCSPV	167.3	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	167.3
2025	7	65079	Solar Proponent LLC	IPP	Lunis Creek Solar and BESS SLF	TX	65852	LUNBS	621.4	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	621.4
2025	7	65079	Solar Proponent LLC	IPP	Lunis Creek Solar and BESS SLF	TX	65852	LUNPV	617.1	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	617.1
2025	7	65079	Solar Proponent LLC	IPP	Tehuacana Creek 1 Solar and BESS	TX	65855	TE1BS	418.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	418.0
2025	7	65079	Solar Proponent LLC	IPP	Tehuacana Creek 1 Solar and BESS	TX	65855	TE1PV	836.8	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	836.8
2025	7	66076	Sun Ridge Solar, LLC	IPP	Sun Ridge Solar, LLC	VA	67215	ENX25	50.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	50.0
2025	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
2025	7	18454	Tampa Electric Co	Electric Utility	South Tampa Resiliency Project	FL	66920	MPS01	18.8	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.8
2025	7	18454	Tampa Electric Co	Electric Utility	South Tampa Resiliency Project	FL	66920	MPS02	18.8	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.8
2025	7	18454	Tampa Electric Co	Electric Utility	South Tampa Resiliency Project	FL	66920	MPS03	18.8	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	18.8
2025	7	18454	Tampa Electric Co	Electric Utility	South Tampa Resiliency Project	FL	66920	MPS04	18.8	Natural Gas Internal Combustion Engine	NG	IC	(T) Regulatory approvals received. Not under construction	18.8
2025	8	64842	Baron Winds II	IPP	Baron Winds II	NY	65513	BRNW2	113.2	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	113.2
2025	8	65639	Cross Town Energy Storage LLC	IPP	Cross Town Energy Storage	ME	66606	CROS1	175.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	175.0
2025	8	65476	Gransolar Texas Eight, LLC	IPP	Tokio Solar	TX	66397	TOKIO	158.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	175.0
2025	8	60025	Greenbacker Renewable Energy Corporation	IPP	Cherry Valley	IL	67253	761	12.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	12.5
2025	8	63832	Hecate Energy Harley Hand Solar LLC	IPP	Hecate Energy Harley Hand Solar LLC	TX	64234	19936	514.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	514.0
2025	8	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Big Elk Solar	NE	66113	NEBE1	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
2025	8	65815	Sunraycer Assets I LLC	IPP	Midpoint Solar, LLC	TX	66897	MIDBA	52.2	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	52.2
2025	8	65815	Sunraycer Assets I LLC	IPP	Midpoint Solar, LLC	TX	66897	MIDPV	104.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	104.0
2025	8	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
2025	9	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
2025	9	63965	Badger Wind , LLC	IPP	Badger Wind, LLC	ND	64342	5555	250.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	250.0
2025	9	64858	Balanced Rock Power, LLC	IPP	Windhub Solar B, LLC	CA	59969	GEN01	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2025	9	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
2025	9	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
2025	9	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

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	9	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
2025	9	66053	Beehive Energy Storage, LLC	IPP	Beehive Energy Storage	AZ	67184	BHV1	250.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	250.0
2025	9	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
2025	9	65102	Clear View Solar, LLC	IPP	Clear View Solar	NY	65931	3	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2025	9	65982	Flat Fork Solar, LLC	IPP	Flat Fork Solar	AR	67076	FFOR1	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2025	9	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
2025	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
2025	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
2025	9	66027	Orsted Wind Power North America LLC	IPP	Revolution Wind	RI	65500	REVWD	715.0	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	715.0
2025	9	65777	Urban Grid Solar	IPP	Spring Grove Solar 2	VA	66844	SPRG2	194.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	150.0
2025	9	5504	Vistra Corp	IPP	Newton Solar BESS LLC	IL	65401	BA	2.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	2.0
2025	9	5504	Vistra Corp	IPP	Newton Solar BESS LLC	IL	65401	PV	52.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	52.0
2025	10	64904	AES Clean Energy	IPP	Baldy Mesa Solar & Storage	CA	66598	BDMSS	75.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	75.0
2025	10	64904	AES Clean Energy	IPP	Baldy Mesa Solar & Storage	CA	66598	BLDMS	150.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	150.0
2025	10	15399	Avangrid Renewables LLC	IPP	Mohawk Solar	NY	64253	S1	90.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	90.5
2025	10	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
2025	10	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
2025	10	5701	El Paso Electric Co	Electric Utility	Felina	TX	67177	PV150	150.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	153.0
2025	10	65475	Gransolar Texas Fifteen, LLC	IPP	Naduah Solar	TX	66396	NDUAH	180.6	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	181.6
2025	10	65103	Highbanks Solar, LLC	IPP	Highbanks Solar	NY	65934	7	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2025	10	49805	Kennecott Utah Copper	Industrial	Copperton Solar Plant No. 1	UT	64427	CSP2	11.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	25.0
2025	10	65871	MPW Solar 1, LLC	IPP	MPW Solar 1	IA	66978	MS1	24.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	24.0
2025	10	66250	Milagro Solar I, LLC	IPP	Milagro Solar I	NM	67528	MLRBS	75.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	75.0
2025	10	66250	Milagro Solar I, LLC	IPP	Milagro Solar I	NM	67528	MLRPV	150.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	150.0
2025	10	65550	Nova Power, LLC	IPP	Menifee Power Bank	CA	66494	NOVA5	55.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	60.0
2025	10	64581	OE_FL10	IPP	OE_FL10	FL	65290	OFL10	74.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.9
2025	10	66002	Pastoria Solar Energy Company, LLC	IPP	Pastoria Solar	CA	67105	CPP01	105.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	105.2
2025	10	65124	Plum Nellie Wind Farm LLC	IPP	Plum Nellie Wind Farm LLC	KS	65948	PNW01	201.6	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	201.6
2025	10	66169	Pluto Energy Storage, LLC	IPP	Pluto Energy Storage	AZ	67328	PLUTO	75.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	75.0
2025	10	64347	Silver Queen Wind Farm, LLC	IPP	Silver Queen Wind Farm	IA	64835	NA	258.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	258.0
2025	10	65179	SolarGen of South Carolina, LLC	IPP	Brogdon Family Solar Park	SC	66012	BROGD	65.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	65.0
2025	10	61525	TAI Norton Solar 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
2025	10	65562	TJA Off South Main St. Lanesboro, LLC	IPP	MA Lanesboro S. Main St.	MA	66514	18233	4.2	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.2
2025	10	65562	TJA Off South Main St. Lanesboro, LLC	IPP	MA Lanesboro S. Main St.	MA	66514	B8233	2.5	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	2.5
2025	10	58113	Texas A&M, Utilities & Energy Services	Commercial	Central Utility Plant - Texas A&M	TX	58151	STG03	5.0	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated	5.0
2025	10	63140	Three Rivers Solar Power, LLC	IPP	Three Rivers Solar Power, LLC	ME	63386	3RIVS	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
2025	10	63726	Vistra Zero LLC	IPP	Forest Grove - Dodd	TX	64131	ESS1	1.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	1.0
2025	11	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
2025	11	60796	91MC 8me LLC	IPP	Aratina Solar Center 1 Hybrid	CA	61167	BESS	125.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	125.0
2025	11	65691	Branch Solar, LLC	IPP	Branch Solar Project	MI	66697	BS1	200.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	200.0
2025	11	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
2025	11	63966	Emerick Wind, LLC	IPP	Emerick Wind	NE	64344	9999	396.3	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	396.3
2025	11	65981	Forgeview Solar, LLC	IPP	Forgeview Solar	AR	67075	FFOR1	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2025	11	50123	Leeward Asset Management, LLC	IPP	Parowan Solar	UT	65823	PARB	58.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	58.0
2025	11	50123	Leeward Asset Management, LLC	IPP	Parowan Solar	UT	65823	PARS0	58.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	58.0
2025	11	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Jones City 1 Solar	TX	66559	TXJC1	215.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	215.0
2025	11	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Trinity River Solar 1	TX	66132	TXTR1	150.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	150.0
2025	11	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
2025	11	64169	Prairie Solar LLC	IPP	Prairie Solar LLC	IL	64536	KOV4A	150.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	150.0
2025	11	66087	Quail Ranch Solar and Battery Energy Storage System	IPP	Quail Ranch Solar and BESS	NM	67204	QRBES	100.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	100.0
2025	11	66087	Quail Ranch Solar and Battery Energy Storage System	IPP	Quail Ranch Solar and BESS	NM	67204	QRPV	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2025	11	58846	Southeast Renewable Fuels, LLC	Industrial	SRF Pulp Processing Facility	FL	58997	G1001	20.0	Wood/Wood Waste Biomass	WDS	ST	(U) Under construction, less than or equal to 50 percent complete	20.0
2025	11	64952	Turner Meadow Solar Station, LLC	IPP	Turner Meadow Solar Station	ME	65709	TRNR	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2025	11	65777	Urban Grid Solar	IPP	Morgnec Solar	MD	66843	MORG1	55.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	55.8
2025	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
2025	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
2025	12	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
2025	12	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
2025	12	59496	ALLETE Clean Energy	IPP	Whitetail Wind Farm	WI	67379	1	67.2	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	67.2
2025	12	63004	Abundant Solar Power Inc.	IPP	USNY - Markham Hollow Rd - 001	NY	67223	SUNYF	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2025	12	15399	Avangrid Renewables LLC	IPP	Pontotoc Wind	OK	67224	20101	147.5	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	147.5
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	65824	BT Hickerson Solar, LLC	IPP	BT Hickerson Solar, LLC	TX	66903	5105	310.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	310.0
2025	12	65697	Briggs Solar, LLC	IPP	Briggs Solar, LLC	TX	66691	BRIGG	305.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	305.0
2025	12	65697	Briggs Solar, LLC	IPP	Briggs Solar, LLC	TX	66691	BRUGG	70.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	70.0
2025	12	61818	CC Polymers LLC	Industrial	M&G Resins USA	TX	60642	1	11.7	All Other	WH	OT	(U) Under construction, less than or equal to 50 percent complete	14.3
2025	12	61818	CC Polymers LLC	Industrial	M&G Resins USA	TX	60642	2	11.7	All Other	WH	OT	(U) Under construction, less than or equal to 50 percent complete	14.3
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	66211	Cherrywood Solar, LLC	IPP	Cherrywood Solar I	MD	67444	6794	145.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	145.0
2025	12	64934	Chiquito Grid, LLC	IPP	Chiquito Grid, LLC	CA	65655	HECHQ	80.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	80.0
2025	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
2025	12	61978	Convergent Energy and Power LP	IPP	Bensonhurst Energy Storage 1 LLC	NY	66497	BHBA1	5.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	5.0
2025	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
2025	12	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
2025	12	61951	Dodge County Wind, LLC	IPP	Dodge County Wind	MN	62437	WT	252.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	260.0
2025	12	65516	ECG Utah Solar1, LLC	IPP	Utah Solar 1	UT	66426	1EUS	300.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	300.0
2025	12	58970	Ecoplexus, Inc	IPP	CSP Solano	CA	65181	CSLNO	5.1	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.1
2025	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
2025	12	65672	Elkhart County Solar Project, LLC	IPP	Elkhart County Solar Project	IN	66647	USELT	100.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	100.0
2025	12	66185	Erath County Solar LLC	IPP	Erath County Solar	TX	67353	4666	204.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	204.0
2025	12	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
2025	12	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
2025	12	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
2025	12	64174	FPS Cedar Creek Solar LLC	IPP	Cedar Creek Solar	DE	64543	1	114.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	114.0
2025	12	64176	FPS Potic Solar LLC	IPP	Potic Solar	NY	64541	1	4.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.9
2025	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
2025	12	66186	Funston Solar, LLC	IPP	Funston Solar	TX	67359	4666	204.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	204.0

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	12	65586	GEG PA Solar LLC	IPP	Goonies Solar Project	PA	66547	GOONS	106.7	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	194.0
2025	12	65740	Genesee Solar Energy, LLC	IPP	Genesee Solar Project	MI	66756	GS1	50.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	51.0
2025	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
2025	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
2025	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
2025	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
2025	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
2025	12	65741	Hart Solar Partners, LLC	IPP	Hart Solar Project	MI	66778	HS1	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	104.0
2025	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
2025	12	65483	Hecate Energy Ramsey Storage, LLC	IPP	Hecate Energy Ramsey Storage	TX	66414	RMSY	500.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	500.0
2025	12	65485	Hecate Grid East Valley Storage, LLC	IPP	Hecate Grid East Valley Storage	TX	66411	RMSY	255.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	255.0
2025	12	62765	High Bridge Wind, LLC	IPP	High Bridge Wind Project	NY	62894	HBBSF	7.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	7.0
2025	12	62765	High Bridge Wind, LLC	IPP	High Bridge Wind Project	NY	62894	WT	103.2	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	103.2
2025	12	65701	Horsepen Branch Solar	IPP	Horsepen Branch Solar	VA	66695	HRSPN	25.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	25.0
2025	12	65682	IP Aramis, LLC	IPP	Aramis I Solar Project	CA	66678	IPAR1	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
2025	12	63137	Idemitsu Renewables	IPP	Azalea (CA)	CA	66890	AZAL	60.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	60.0
2025	12	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
2025	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
2025	12	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
2025	12	65967	Iron Belt Energy Storage Project, LLC	IPP	Iron Belt	TX	67059	1	400.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	400.0
2025	12	10071	Kauai Island Utility Cooperative	Electric Utility	KRS I Anahola Solar Hybrid	HI	58639	BESS8	12.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	12.0
2025	12	10071	Kauai Island Utility Cooperative	Electric Utility	KRS II Koloa Solar	HI	58640	BESS7	12.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	12.0
2025	12	65739	Lake Iris Solar, LLC	IPP	Lake Iris Solar Project	MI	66745	LIS1	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	107.7
2025	12	50123	Leeward Asset Management, LLC	IPP	Barilla Solar	TX	58710	BARBA	20.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	20.0
2025	12	50123	Leeward Asset Management, LLC	IPP	Blackford Solar	IN	66960	BLKSL	150.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	150.0
2025	12	50123	Leeward Asset Management, LLC	IPP	Blackford Wind	IN	66968	BFW00	200.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	200.0
2025	12	50123	Leeward Asset Management, LLC	IPP	Cradle Solar	TX	65822	CRAS0	225.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	225.0
2025	12	50123	Leeward Asset Management, LLC	IPP	Northern Prairie 1	WI	66958	NOPR1	101.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	101.0
2025	12	50123	Leeward Asset Management, LLC	IPP	Rose Gold Solar	IN	65471	RGS01	150.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	150.0
2025	12	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Mayapple Solar 1	IN	66138	INMA1	224.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	224.0
2025	12	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Sycamore Trail Solar	PA	66196	PAST1	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2025	12	63756	Lily Pond Solar, LLC	IPP	Lily Pond Solar, LLC	VA	64134	ENX09	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2025	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
2025	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
2025	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
2025	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
2025	12	63467	Naturgy Candela DevCo LLC	IPP	Mark Center Solar Project	OH	65050	MRC1	90.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	90.0
2025	12	66234	Nexus Renewables U.S. Inc.	IPP	Bell Creek BESS LLC	TX	67535	ASHU1	200.9	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	200.9
2025	12	64800	Nolin Hills Wind, LLC	IPP	Nolin Hills	OR	60070	GEN	300.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	300.0
2025	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
2025	12	65101	Redbud Run Solar, LLC	IPP	Redbud Run Solar	VA	65930	10	30.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	30.0
2025	12	65144	Samsung C&T Renewables, LLC	IPP	Eagle Springs Hybrid	TX	66341	EGSB	61.5	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	55.1
2025	12	65144	Samsung C&T Renewables, LLC	IPP	Eagle Springs Hybrid	TX	66341	EGSS	150.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	110.1
2025	12	65144	Samsung C&T Renewables, LLC	IPP	Gaia Hybrid	TX	66342	GAIAB	76.8	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	76.8
2025	12	65144	Samsung C&T Renewables, LLC	IPP	Gaia Hybrid	TX	66342	GAIAS	152.7	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	152.7
2025	12	65343	Sculpin Solar LLC	IPP	Sculpin Solar	IN	66238	1SPS	180.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	180.0
2025	12	65695	Seven Flags BESS LLC	IPP	Seven Flags BESS LLC	TX	66689	7FLAG	100.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	100.0
2025	12	62023	Skeleton Creek Energy Center	IPP	Skeleton Creek Energy Center Hybrid	OK	62494	SCBAT	252.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	252.0
2025	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
2025	12	65079	Solar Proponent LLC	IPP	Clear Fork Creek Solar and BESS SLF	TX	65842	CFCBS	600.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	600.0
2025	12	65079	Solar Proponent LLC	IPP	Clear Fork Creek Solar and BESS SLF	TX	65842	CFCPV	600.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	600.0
2025	12	65079	Solar Proponent LLC	IPP	Hollow Branch Creek 1 Solar	TX	65846	HB1PV	700.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	700.0
2025	12	65079	Solar Proponent LLC	IPP	Hollow Branch Creek 2 Solar and BESS SLF	TX	65851	HB2BS	400.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	400.0
2025	12	65079	Solar Proponent LLC	IPP	Hollow Branch Creek 2 Solar and BESS SLF	TX	65851	HB2PV	700.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	700.0
2025	12	65366	Speedway Solar, LLC	IPP	Speedway Solar, LLC	IN	66264	SDS	199.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	199.0
2025	12	62700	SunEast Clay Solar LLC	IPP	SunEast Clay Solar Project	NY	62819	Q669	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	50.0
2025	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
2025	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
2025	12	63551	SunEast Flat Hill Solar LLC	IPP	SunEast Flat Hill Solar Project	NY	63901	Q#865	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2025	12	63537	SunEast Grassy Knoll Solar LLC	IPP	SunEast Grassy Knoll Solar Project	NY	63863	Q#885	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2025	12	63540	SunEast Highview Solar LLC	IPP	SunEast Highview Solar Project	NY	63866	Q#591	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2025	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
2025	12	63543	SunEast Hilltop Solar LLC	IPP	SunEast Hilltop Solar Project	NY	63868	Q#807	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2025	12	63538	SunEast Limestone Solar LLC	IPP	SunEast Limestone Solar Project	NY	63864	Q#806	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2025	12	63678	SunEast Manchester Solar LLC	IPP	SunEast Manchester Solar Project	NY	64037	Q#913	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2025	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
2025	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
2025	12	63536	SunEast Valley Solar LLC	IPP	SunEast Valley Solar Project	NY	63862	Q#828	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2025	12	62756	SunEast Watkins Road Solar LLC	IPP	SunEast Watkins Road Solar Project	NY	62896	Q586	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2025	12	65561	TJA 540R Main St. Acushnet, LLC	IPP	MA Acushnet 540R Main St	MA	66513	18229	4.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.0
2025	12	65561	TJA 540R Main St. Acushnet, LLC	IPP	MA Acushnet 540R Main St	MA	66513	B8229	2.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	2.0
2025	12	66189	Throckmorton Wind, LLC	IPP	Throckmorton Wind	TX	67356	6794	200.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	200.0
2025	12	66188	Tiger Solar, LLC	IPP	Tiger Solar	TX	67357	4666	204.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	204.0
2025	12	59056	Tri Global Energy, LLC	IPP	Cone Renewable Energy Project, LLC	TX	60272	WT1	150.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	150.0
2025	12	59056	Tri Global Energy, LLC	IPP	Crosby County Wind Farm, LLC	TX	60273	WT1	150.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	150.0
2025	12	59056	Tri Global Energy, LLC	IPP	Easter	TX	59971	ESTR1	150.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	150.0
2025	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
2025	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
2025	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
2025	12	63527	Westlands Cherry, LLC	IPP	Cherry	CA	63850	CHERY	249.7	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	249.7
2025	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
2025	12	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
2026	1	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
2026	1	65384	Cartier Energy, LLC	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
2026	1	65835	Clean Energy Future - Trumbull, LLC.	IPP	Trumbull Energy Center	OH	66918	GT11	350.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	350.0
2026	1	65835	Clean Energy Future - Trumbull, LLC.	IPP	Trumbull Energy Center	OH	66918	GT12	350.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	350.0
2026	1	65835	Clean Energy Future - Trumbull, LLC.	IPP	Trumbull Energy Center	OH	66918	STG	250.0	Natural Gas Fired Combined Cycle	NG	CA	(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)
2026	1	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
2026	1	11241	Entergy Louisiana LLC	Electric Utility	Sterlington Solar	LA	66681	STS	49.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	49.0
2026	1	6452	Florida Power & Light Co	Electric Utility	Boardwalk	FL	65885	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2026	1	6452	Florida Power & Light Co	Electric Utility	Kayak	FL	65888	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2026	1	6452	Florida Power & Light Co	Electric Utility	Long Creek	FL	65906	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2026	1	6452	Florida Power & Light Co	Electric Utility	Mare Branch	FL	65905	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2026	1	6452	Florida Power & Light Co	Electric Utility	North Orange	FL	65883	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2026	1	6452	Florida Power & Light Co	Electric Utility	Price Creek	FL	65887	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2026	1	6452	Florida Power & Light Co	Electric Utility	Tenmile Creek	FL	65886	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2026	1	65482	Gransolar Texas Thirteen, LLC	IPP	Despain Solar	TX	66421	GRS13	236.2	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	236.2
2026	1	49893	Invenergy Services LLC	IPP	Canisteo Wind Farm	NY	62947	GEN1	290.7	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	290.7
2026	1	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
2026	1	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
2026	1	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
2026	1	63289	Key Capture Energy	IPP	TX 14 Venus Mill Storage	TX	65788	TX14	100.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	100.0
2026	1	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Granite Hill Solar	PA	66440	PAGH1	70.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	70.0
2026	1	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Jones City 2 Solar	TX	66893	TXJC2	185.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	185.0
2026	1	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Mowata Solar	LA	66558	LAMO1	150.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	150.0
2026	1	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	White Trillium Solar	OH	65904	OHWT1	49.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	49.5
2026	1	65785	Luminace Sunbeam Development Holdings, LLC	IPP	Cenergy - Pulk	ME	66874	PUL	5.0	Solar Photovoltaic	SUN	PV	(OT) Other	5.0
2026	1	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
2026	1	12796	Monongahela Power Co	Electric Utility	Davis Solar (WV)	WV	66870	DAVS	11.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	11.5
2026	1	63726	Vistra Zero 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
2026	1	63726	Vistra Zero LLC	IPP	Oak Hill - Dry Creek	TX	64132	PV1	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2026	1	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
2026	2	65644	Fish Lake Geothermal LLC	IPP	Fish Lake Geothermal	NV	66618	FL1	2.1	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	3.3
2026	2	65644	Fish Lake Geothermal LLC	IPP	Fish Lake Geothermal	NV	66618	FL2	2.9	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	3.3
2026	2	65644	Fish Lake Geothermal LLC	IPP	Fish Lake Geothermal	NV	66618	FL3	3.4	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	4.7
2026	2	65644	Fish Lake Geothermal LLC	IPP	Fish Lake Geothermal	NV	66618	FL4	4.3	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	6.2
2026	2	65644	Fish Lake Geothermal LLC	IPP	Fish Lake Geothermal	NV	66618	FL5	6.8	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	9.0
2026	2	65439	Lotus Infrastructure Global Operations, LLC	IPP	Grover Hill Wind, LLC	OH	66359	GHW	140.3	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	140.3
2026	2	65079	Solar Proponent LLC	IPP	Middlebrook Creek Solar and BESS	TX	65853	MIDBS	302.9	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	302.9
2026	2	65079	Solar Proponent LLC	IPP	Middlebrook Creek Solar and BESS	TX	65853	MIDPV	609.1	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	609.1
2026	2	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
2026	3	66061	BQ Energy Development	IPP	Nottingham Solar	OH	66658	NOTT	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2026	3	66061	BQ Energy Development	IPP	Steubenville Solar	OH	66657	STEUB	43.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	43.0
2026	3	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generation Station	ND	57881	04	210.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	235.0
2026	3	64410	CG Leon County LLC	IPP	Pecan Prairie South Solar	TX	64981	CPSS1	130.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	130.0
2026	3	65998	Flint Mine Solar, LLC	IPP	Flint Mine Solar	NY	67090	FMS	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
2026	3	63289	Key Capture Energy	IPP	KCE NY 10, LLC	NY	66682	NY10	20.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	20.0
2026	3	63289	Key Capture Energy	IPP	KCE NY 29, LLC	NY	66862	NY29	150.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	150.0
2026	3	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Crossvine Solar	IN	66441	INCV1	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2026	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
2026	3	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
2026	3	65092	Springwater Solar, LLC	IPP	Springwater Solar, LLC	OH	65900	SPRIN	155.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	155.0
2026	4	66180	CPV Rogue's Wind, LLC	IPP	CPV Rogue's Wind, LLC	PA	67348	ROGUE	109.9	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	114.0
2026	4	5248	Dominion Energy Inc.	Electric Utility	Moon Corner Solar	VA	66313	MOCO	60.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	60.0
2026	4	7490	Grand River Dam Authority	Electric Utility	GREC	OK	165	4	416.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	433.0
2026	4	61797	Hecate Energy LLC	IPP	Hecate Energy Columbia County Solar	NY	62273	HECC1	42.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	42.0
2026	4	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Champion Solar I	IN	66865	INCS1	51.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	51.9
2026	4	64776	Wolf Pit Branch Solar, LLC	IPP	Wolf Pit Branch Solar, LLC	SC	65437	PGB38	15.5	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	15.5
2026	4	64776	Wolf Pit Branch Solar, LLC	IPP	Wolf Pit Branch Solar, LLC	SC	65437	PGR38	62.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	62.0
2026	5	65689	Alfred Oaks Solar, LLC	IPP	Alfred Oaks Solar, LLC	NY	66675	ALOAK	115.2	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	115.2
2026	5	65689	Alfred Oaks Solar, LLC	IPP	Alfred Oaks Solar, LLC	NY	66675	BA	20.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	20.0
2026	5	56769	Consolidated Edison Development Inc.	IPP	Uvalde Solar 1	TX	66306	UVPV1	150.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	150.0
2026	5	66232	Green River Energy Center, LLC	IPP	Green River Energy Center - Hybrid	UT	67501	GRBS	400.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	400.0
2026	5	66232	Green River Energy Center, LLC	IPP	Green River Energy Center - Hybrid	UT	67501	GRPV	400.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	400.0
2026	5	64545	Vesper Energy Development LLC	IPP	Axton Solar	VA	65462	AXTON	200.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	200.0
2026	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
2026	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
2026	6	57416	Acciona Energy USA Global, LLC	IPP	AEUG Fleming Solar, LLC	KY	64658	AFS	188.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	188.5
2026	6	66122	Alina Energy LLC	IPP	Alina Energy LLC	TX	67250	ALIBS	200.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	200.0
2026	6	66122	Alina Energy LLC	IPP	Alina Energy LLC	TX	67250	ALIPV	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2026	6	61713	B & K Solar	IPP	B & K Solar	SC	62181	23	74.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	74.9
2026	6	63793	Bear Branch Solar LLC	IPP	Bear Branch Solar	NC	64168	GEN	34.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	34.5
2026	6	64356	Bedington Energy Facility, LLC	IPP	Bedington Energy Facility, LLC	WV	64848	BEF1	50.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	50.0
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	61716	Big Fork Solar	IPP	Big Fork Solar	SC	62184	27	74.9	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	74.9
2026	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
2026	6	65384	Cartier Energy, LLC	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
2026	6	61718	Chapman Solar	IPP	Chapman Solar	SC	62186	28	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2026	6	61720	Colleton Solar	IPP	Colleton Solar	SC	62188	30	74.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	74.9
2026	6	61720	Colleton Solar	IPP	Colleton Solar	SC	62188	31	74.9	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	74.9
2026	6	61722	Crossroads Solar	IPP	Crossroads Solar	SC	62190	32	50.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	50.0
2026	6	61722	Crossroads Solar	IPP	Crossroads Solar	SC	62190	33	50.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	50.0
2026	6	61729	Culpepper Solar	IPP	Culpepper Solar	SC	62221	33	74.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	74.9
2026	6	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
2026	6	65084	Eldora Energy LLC	IPP	Eldora Energy LLC	TX	65847	ELDBS	200.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	200.0
2026	6	65084	Eldora Energy LLC	IPP	Eldora Energy LLC	TX	65847	ELDPV	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2026	6	55937	Entergy Texas Inc.	Electric Utility	Orange County Advanced Power Station	TX	66621	1A	396.6	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	453.0
2026	6	55937	Entergy Texas Inc.	Electric Utility	Orange County Advanced Power Station	TX	66621	1B	396.6	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	453.0
2026	6	55937	Entergy Texas Inc.	Electric Utility	Orange County Advanced Power Station	TX	66621	1C	365.0	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	400.0
2026	6	6763	Freestone Power Generation LLC	IPP	FPEC, LLC	TX	67500	GT5	212.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	222.0
2026	6	6763	Freestone Power Generation LLC	IPP	FPEC, LLC	TX	67500	GT6	212.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	222.0
2026	6	61737	GEB Solar	IPP	GEB Solar	SC	62217	40	50.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	50.0
2026	6	65157	Garcitas Creek Solar, LLC	IPP	Garcitas Creek Solar	TX	65973	GCS	201.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	201.9
2026	6	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

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	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
2026	6	65481	Hecate Grid Gwent Storage 1, LLC	IPP	Hecate Grid Gwent Storage 1	CA	66409	GWNT	135.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	135.0
2026	6	63838	Hecate Grid Swiftsure LLC	IPP	Swiftsure	NY	64235	SWFTS	650.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	650.0
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	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
2026	6	63792	Hornet Solar LLC	IPP	Hornet Solar	NC	64167	GEN	73.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	73.0
2026	6	61751	Juniper Solar	IPP	Juniper Solar	SC	62234	48	74.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	74.9
2026	6	50123	Leeward Asset Management, LLC	IPP	Portal Ridge Solar A, LLC	CA	60309	GEN01	19.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	19.0
2026	6	66178	Liberty Renewables Incorporated	IPP	Hoffman Falls Wind 2	NY	67346	Q1335	102.5	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	103.5
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	61791	Melsam Solar	IPP	Melsam Solar	SC	62280	58	65.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	65.0
2026	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
2026	6	13902	NorthWestern Energy (MT Hydro)	Electric Utility	Hauser	MT	2185	HAU12	3.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	3.5
2026	6	56545	Pattern Operators LP	IPP	SunZia Wind North	NM	66924	SZW-N	1,089.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	1,089.0
2026	6	56545	Pattern Operators LP	IPP	SunZia Wind South	NM	66923	SZW-S	2,426.4	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	2,426.4
2026	6	65764	Pier S Energy Storage LLC	IPP	Elevate Pier S	CA	66787	ELVPS	70.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	70.0
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	61807	Quest Solar	IPP	Quest Solar	SC	62299	66	50.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	50.0
2026	6	61807	Quest Solar	IPP	Quest Solar	SC	62299	67	50.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	50.0
2026	6	61808	Rollins Solar	IPP	Rollins Solar	SC	62295	67	74.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	74.9
2026	6	61809	Ross Solar	IPP	Ross Solar	SC	62296	68	74.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	74.9
2026	6	63488	Shady Hills Energy Center, LLC	IPP	Shady Hills Combined Cycle Facility	FL	63802	G001	538.3	Natural Gas Fired Combined Cycle	NG	CS	(U) Under construction, less than or equal to 50 percent complete	612.0
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	60.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	60.0
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	65815	Sunraycer Assets I LLC	IPP	Lupinus Solar 1, LLC	TX	66895	LP1BA	83.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	83.0
2026	6	65815	Sunraycer Assets I LLC	IPP	Lupinus Solar 1, LLC	TX	66895	LP1PV	165.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	165.0
2026	7	5248	Dominion Energy Inc.	Electric Utility	Courthouse Solar	VA	66312	CHSL	167.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	167.0
2026	7	12869	Monterey Regional Waste Mgmt	Commercial	Marina Landfill Gas	CA	10748	FUTR1	1.6	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	1.6
2026	7	12869	Monterey Regional Waste Mgmt	Commercial	Marina Landfill Gas	CA	10748	FUTR2	1.6	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	1.6
2026	7	12869	Monterey Regional Waste Mgmt	Commercial	Marina Landfill Gas	CA	10748	FUTR3	1.6	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	1.6
2026	7	12869	Monterey Regional Waste Mgmt	Commercial	Marina Landfill Gas	CA	10748	FUTR4	1.6	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	1.6
2026	7	58489	OCI Solar Power	IPP	OCI Hillsboro	TX	66401	OHLBS	200.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	200.0
2026	7	58489	OCI Solar Power	IPP	OCI Hillsboro	TX	66401	OHLPV	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2026	7	65144	Samsung C&T Renewables, LLC	IPP	Ursa Solar, LLC	WI	65964	URSA	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2026	8	17612	Bear Valley Electric Service	Electric Utility	Bear Valley Battery Plant	CA	67257	BVEB1	5.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	5.0
2026	8	17612	Bear Valley Electric Service	Electric Utility	Bear Valley Solar Plant	CA	67258	BVES1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2026	8	65699	Coati Solar, LLC	IPP	Coati Solar, LLC	TX	66693	COAT	285.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	285.0
2026	8	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
2026	8	64077	JVR Energy Park LLC	IPP	JVR Energy Park LLC	CA	64428	JVR1B	70.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	70.0
2026	9	5248	Dominion Energy Inc.	Electric Utility	Clover Creek Solar	VA	66315	CCSO	90.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	90.0
2026	9	65986	Gransolar Texas Three, LLC	IPP	Quarter Ranch Solar	TX	67078	GRS3	154.1	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	154.1
2026	9	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Second Division Solar	TX	65981	TXSD2	30.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	30.0
2026	9	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Starr Solar Ranch	TX	65975	TXSD2	180.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	180.0
2026	9	14519	Pasco County	IPP	Pasco Cnty Solid Waste Resource Recovery	FL	50666	GEN2	18.0	Municipal Solid Waste	MSW	ST	(T) Regulatory approvals received. Not under construction	20.0
2026	9	65715	Strata Clean Energy	IPP	Longwing Solar	TX	66705	11105	140.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	140.0
2026	9	65715	Strata Clean Energy	IPP	Peri Peri Solar	TX	66708	11104	115.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	115.0
2026	9	64545	Vesper Energy Development LLC	IPP	Kingwood Solar	OH	65425	KWOOD	175.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	175.0
2026	10	924	Associated Electric Coop, Inc	Electric Utility	Ripley Energy Center	OK	67262	RP1	411.4	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	419.0
2026	10	15399	Avangrid Renewables LLC	IPP	Osagrove Flats Wind	IL	67347	OF1	150.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	150.0
2026	10	65440	Bear Point Solar, LLC	IPP	Bear Point Solar, LLC	NC	66362	GEN1	73.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	73.9
2026	10	65728	Brenneman Solar LLC	IPP	Brenneman Solar Project	GA	66744	BRNMN	150.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	168.0
2026	10	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
2026	10	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
2026	10	65698	Holly Branch Solar, LLC	IPP	Holly Branch Solar, LLC	TX	66692	HOLLY	230.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	230.0
2026	10	65698	Holly Branch Solar, LLC	IPP	Holly Branch Solar, LLC	TX	66692	HOLY	100.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	100.0
2026	10	64077	JVR Energy Park LLC	IPP	JVR Energy Park LLC	CA	64428	JVR1A	90.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	90.0
2026	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
2026	10	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
2026	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
2026	11	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
2026	11	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
2026	11	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
2026	11	65116	Discovery Wind, LLC	IPP	Discovery Wind, LLC	ND	65944	DISC	400.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	400.0
2026	11	65455	Hyco Solar, LLC	IPP	Hyco Solar LLC	NC	66383	GEN1	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2026	11	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN1	38.5	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	44.1
2026	11	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN2	38.5	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	44.1
2026	11	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN3	38.5	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	44.1
2026	11	61874	Osaka Gas USA	IPP	Yellow Vikings	TX	67222	1	182.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	182.0
2026	11	65457	Panther Branch Solar, LLC	IPP	Panther Branch Solar, LLC	NC	66385	GEN1	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2026	11	65686	Samsung C&T Renewables, LLC	IPP	Conez Solar, LLC	GA	66671	CONEZ	150.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	150.0
2026	11	66105	Trestles Grid LLC	IPP	Trestles Grid LLC	CA	67229	HGLPT	150.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	150.0
2026	11	64951	Warren Meadow Solar Station, LLC	IPP	Warren Meadow Solar Station	ME	65708	WMSS	74.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	74.5
2026	12	65661	Arco Wind, LLC	IPP	Arco Wind and Solar Project	ID	66651	37565	360.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	360.0
2026	12	65441	Black Walnut Solar, LLC	IPP	Black Walnut Solar, LLC	NC	66363	GEN1	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2026	12	64475	CG Leon County II LLC	IPP	Pecan Prairie North Solar	TX	64999	CPNS1	350.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	350.0
2026	12	64467	CG Pike Creek LLC	IPP	Pike Creek Wind	IL	65049	CPCW1	202.5	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	202.5
2026	12	59365	Capital Power Corporation	IPP	Maple Leaf Solar	NC	67195	GEN	73.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	73.0
2026	12	65180	Cedar Island Solar LLC	IPP	Cedar Island Solar LLC	OR	66011	PV1	800.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	800.0
2026	12	58391	Chilocco Wind Farm LLC	IPP	Chilocco Wind Farm	OK	58406	1	169.2	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	169.2
2026	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
2026	12	65543	Desert Vine Solar LLC	IPP	Desert Vine Solar	TX	66493	DVS	121.3	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	121.3
2026	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
2026	12	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
2026	12	65080	Elio Energy LLC	IPP	Elio Energy LLC	TX	65850	ELIBS	300.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	300.0
2026	12	65113	Grey Fox Wind	IPP	Grey Fox Wind	IL	65939	WINDG	400.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	400.0
2026	12	65113	Grey Fox Wind	IPP	Grey Fox Wind	IL	65939	WNDG2	150.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	150.0

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	12	63839	Hecate Grid Clermont 1 LLC	IPP	Clermont	NY	64236	CLRMT	100.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	100.0
2026	12	63289	Key Capture Energy	IPP	NY2 Battery	NY	63584	NY2	169.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	169.0
2026	12	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG1	3.4	Offshore Wind Turbine	WND	WS	(P) Planned for installation, but regulatory approvals not initiated	3.4
2026	12	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG2	3.4	Offshore Wind Turbine	WND	WS	(P) Planned for installation, but regulatory approvals not initiated	3.4
2026	12	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG3	3.4	Offshore Wind Turbine	WND	WS	(P) Planned for installation, but regulatory approvals not initiated	3.4
2026	12	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG4	3.4	Offshore Wind Turbine	WND	WS	(P) Planned for installation, but regulatory approvals not initiated	3.4
2026	12	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG5	3.4	Offshore Wind Turbine	WND	WS	(P) Planned for installation, but regulatory approvals not initiated	3.4
2026	12	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG6	3.4	Offshore Wind Turbine	WND	WS	(P) Planned for installation, but regulatory approvals not initiated	3.4
2026	12	50123	Leeward Asset Management, LLC	IPP	Buena Vista Energy LLC	CA	56446	BVBAT	100.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	100.0
2026	12	50123	Leeward Asset Management, LLC	IPP	Honey Creek Solar	IN	65821	HNYBA	20.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	20.0
2026	12	50123	Leeward Asset Management, LLC	IPP	Honey Creek Solar	IN	65821	HNYSR	200.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	200.0
2026	12	64800	Nolin Hills Wind, LLC	IPP	Nolin Hills	OR	60070	GEN2	300.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	300.0
2026	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
2026	12	66027	Orsted Wind Power North America LLC	IPP	Sunrise Wind	NY	67435	SRWND	924.0	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	924.0
2026	12	63463	Palomino Solar, LLC	IPP	Palomino Solar	OH	63784	PLMNO	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2026	12	65105	Peeler Solar, LLC	IPP	Peeler Solar, LLC	TX	65932	PEEL2	50.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	50.0
2026	12	66121	Rock Rose Energy Storage LLC	IPP	Rock Rose Energy Storage LLC	TX	67249	RRES	200.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	200.0
2026	12	66171	SGT Hoskins Solar Project, LLC	IPP	SGT Hoskins Solar Project Hybrid	TX	67341	NOSES	102.1	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	102.1
2026	12	66171	SGT Hoskins Solar Project, LLC	IPP	SGT Hoskins Solar Project Hybrid	TX	67341	NOSPV	204.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	204.1
2026	12	65072	Sacramento Valley Energy Center, LLC	IPP	Sacramento Valley Energy Center, LLC	CA	65808	BSVEC	100.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	100.0
2026	12	65072	Sacramento Valley Energy Center, LLC	IPP	Sacramento Valley Energy Center, LLC	CA	65808	SVEC	200.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	200.0
2026	12	63954	Shepherd's Run Solar	IPP	Shepherd's Run Solar	NY	64188	PV	42.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	42.0
2026	12	63721	Skipjack Offshore Energy, LLC	IPP	Skipjack Wind Farm	MD	64083	SJW01	120.0	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	120.0
2026	12	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
2026	12	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
2026	12	65092	Springwater Solar, LLC	IPP	Springwater Solar, LLC	OH	65900	SPRI2	75.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	75.0
2026	12	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
2026	12	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
2026	12	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
2026	12	61950	Terra-Gen Operating Co-Solar	IPP	Lockhart Solar PV IV, LLC	CA	67510	LOC4	80.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	80.0
2026	12	59056	Tri Global Energy, LLC	IPP	Water Valley Wind Energy	TX	62846	WWE1	180.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	180.0
2026	12	65777	Urban Grid Solar	IPP	Porter Mill Solar	MD	66854	PORM1	46.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	46.0
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	(T) Regulatory approvals received. Not under construction	2,640.0
2027	3	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
2027	3	65470	Lock+ Hydro Friends Fund XLII, LLC	IPP	Braddock Lock and Dam	PA	59091	GEN1	5.3	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	5.3
2027	3	65686	Samsung C&T Renewables, LLC	IPP	Stark Solar, LLC	OH	66672	AG239	150.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	150.0
2027	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
2027	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
2027	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
2027	4	65511	Aragon Energy Storage LLC	IPP	Aragon Energy Storage	GA	66431	ARAG1	150.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	150.0
2027	4	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
2027	4	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
2027	4	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
2027	4	65837	Freestone Solar LLC	IPP	Timber Cove Solar	TX	66922	59957	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2027	4	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Merrillville Solar	IN	66114	INRD1	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2027	5	62910	300MS 8me LLC	IPP	Southern Bighorn Solar Hybrid	NV	63113	BESS	300.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	95.0
2027	5	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
2027	5	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
2027	5	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
2027	5	65687	Accalia Point Solar, LLC	IPP	Accalia Point Solar, LLC	TX	66673	66666	190.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	190.5
2027	5	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
2027	5	6738	Franklin Heating Station	Commercial	Franklin Heating Station	MN	54224	CTG1	7.3	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	7.5
2027	5	6738	Franklin Heating Station	Commercial	Franklin Heating Station	MN	54224	EG11	3.4	Petroleum Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction	3.4
2027	5	6738	Franklin Heating Station	Commercial	Franklin Heating Station	MN	54224	EG12	3.4	Petroleum Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction	3.4
2027	5	6738	Franklin Heating Station	Commercial	Franklin Heating Station	MN	54224	EG13	3.4	Petroleum Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction	3.4
2027	5	6738	Franklin Heating Station	Commercial	Franklin Heating Station	MN	54224	EG14	3.4	Petroleum Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction	3.4
2027	5	6738	Franklin Heating Station	Commercial	Franklin Heating Station	MN	54224	EG15	3.4	Petroleum Liquids	DFO	IC	(L) Regulatory approvals pending. Not under construction	3.4
2027	5	66108	Hinds Solar, LLC	IPP	Hinds Solar, LLC	MS	67231	HS	150.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	150.0
2027	5	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN4	37.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2027	5	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN5	37.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2027	5	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN6	37.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2027	5	65777	Urban Grid Solar	IPP	Hillsboro Solar 3	AL	66852	HILL3	200.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	200.0
2027	6	66100	Boralex US Operations LLC	IPP	Diamond Solar (NY)	NY	67220	NY48	60.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	60.0
2027	6	66100	Boralex US Operations LLC	IPP	Foothills Solar (NY)	NY	67221	NY128	40.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	40.0
2027	6	58597	Enviromission, 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
2027	6	65105	Peeler Solar, LLC	IPP	Peeler Solar, LLC	TX	65932	PEELR	200.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	200.0
2027	6	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
2027	6	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
2027	6	65777	Urban Grid Solar	IPP	Beaver Creek Solar	PA	66850	BEAC1	34.2	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	34.2
2027	6	64657	Vacherie Solar Energy Center, LLC	IPP	Vacherie Solar Energy Center, LLC	LA	65345	VSEC	150.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	150.0
2027	6	65104	Vermillion Rise Solar, LLC	IPP	Vermillion Rise Solar	IN	65935	14	225.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	225.0
2027	7	64904	AES Clean Energy	IPP	Somerset Solar LLC	NY	67324	NYSOM	125.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2027	7	58881	Apex Bethel Energy Center	IPP	Apex Bethel Energy Center	TX	59048	ABEC1	158.5	Natural Gas with Compressed Air Storage	NG	CE	(P) Planned for installation, but regulatory approvals not initiated	158.5
2027	7	58881	Apex Bethel Energy Center	IPP	Apex Bethel Energy Center	TX	59048	ABEC2	158.5	Natural Gas with Compressed Air Storage	NG	CE	(P) Planned for installation, but regulatory approvals not initiated	158.5
2027	7	924	Associated Electric Coop, Inc	Electric Utility	Turney Energy Center	MO	67263	TN1	411.4	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	419.0
2027	7	59686	Coronado Power Ventures LLC	IPP	Aegle Power	TX	59924	CTG-1	430.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	430.0
2027	7	59686	Coronado Power Ventures LLC	IPP	Aegle Power	TX	59924	CTG-2	430.0	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	430.0
2027	7	59686	Coronado Power Ventures LLC	IPP	Aegle Power	TX	59924	STG-1	422.0	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated	422.0
2027	7	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
2027	7	65690	Premium Energy Holdings	IPP	Whale Rock Pumped Storage Hydro Project	CA	66685	WH001	200.0	Hydroelectric Pumped Storage	WAT	PS	(P) Planned for installation, but regulatory approvals not initiated	200.0
2027	7	65690	Premium Energy Holdings	IPP	Whale Rock Pumped Storage Hydro Project	CA	66685	WH002	200.0	Hydroelectric Pumped Storage	WAT	PS	(P) Planned for installation, but regulatory approvals not initiated	200.0
2027	7	65690	Premium Energy Holdings	IPP	Whale Rock Pumped Storage Hydro Project	CA	66685	WH003	200.0	Hydroelectric Pumped Storage	WAT	PS	(P) Planned for installation, but regulatory approvals not initiated	200.0
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	9	65587	Mammoth Central LLC	IPP	Mammoth Central Solar Project	IN	66546	MMTHC	300.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	300.0
2027	9	65587	Mammoth Central LLC	IPP	Mammoth Central Solar Project	IN	66546	MTHC2	300.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	300.0
2027	9	65588	Mammoth South LLC	IPP	Mammoth South Solar Project	IN	66545	MMTHS	300.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	300.0

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	9	65715	Strata Clean Energy	IPP	Austin Creek Solar	IL	66703	11103	140.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	140.0
2027	9	65715	Strata Clean Energy	IPP	Patoka Solar	IN	66706	11101	250.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	250.0
2027	9	65715	Strata Clean Energy	IPP	Prairie Oak Solar	IL	66707	11102	250.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	250.0
2027	10	66191	Mineral Basin Solar Power, LLC	IPP	Mineral Basin Solar Power	PA	67378	MB	401.6	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	401.6
2027	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
2027	11	64904	AES Clean Energy	IPP	Kahana Solar, LLC	HI	64095	KSBA	20.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	20.0
2027	11	64904	AES Clean Energy	IPP	Kahana Solar, LLC	HI	64095	KSSOL	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2027	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
2027	11	64452	EDF Renewables Development, Inc.	IPP	Rock House Solar	GA	67226	ROCKH	250.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	250.0
2027	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
2027	11	62663	Lock 13 Hydro Partners	IPP	Evelyn Hydroelectric Project	KY	62748	1	0.6	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	0.6
2027	11	62663	Lock 13 Hydro Partners	IPP	Evelyn Hydroelectric Project	KY	62748	2	0.6	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	0.6
2027	11	62663	Lock 13 Hydro Partners	IPP	Evelyn Hydroelectric Project	KY	62748	3	0.2	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	0.2
2027	11	62663	Lock 13 Hydro Partners	IPP	Evelyn Hydroelectric Project	KY	62748	4	0.2	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	0.2
2027	11	62663	Lock 13 Hydro Partners	IPP	Evelyn Hydroelectric Project	KY	62748	5	0.6	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	0.6
2027	11	62663	Lock 13 Hydro Partners	IPP	Evelyn Hydroelectric Project	KY	62748	6	0.6	Conventional Hydroelectric	WAT	HY	(T) Regulatory approvals received. Not under construction	0.6
2027	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
2027	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
2027	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
2027	12	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
2027	12	63520	326FW 8me LLC	IPP	Arida Solar (Hybrid)	NV	63841	BESS	370.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	370.0
2027	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
2027	12	64245	90FI 8me, LLC	IPP	Kingsley Solar Farm	CA	64634	90FI8	225.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	225.0
2027	12	64245	90FI 8me, LLC	IPP	Kingsley Solar Farm	CA	64634	90FIB	74.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	74.0
2027	12	64904	AES Clean Energy	IPP	Empire Solar (NY)	NY	66663	EMPIR	125.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	125.0
2027	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
2027	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
2027	12	64736	Beartooth Energy Storage, LLC	IPP	Beartooth Energy Storage LLC	MT	65407	BEAR1	50.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	50.0
2027	12	66181	CPV County Line Solar, LLC	IPP	CPV County Line Solar, LLC	VA	67352	CPVCL	150.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	150.0
2027	12	63465	Candela Renewables, LLC	IPP	Rough Hat	NV	63782	RH1	400.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	400.0
2027	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
2027	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
2027	12	64452	EDF Renewables Development, Inc.	IPP	Bonanza Solar and Storage Project	NV	66908	BZES	195.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	195.0
2027	12	64452	EDF Renewables Development, Inc.	IPP	Bonanza Solar and Storage Project	NV	66908	BZPV	300.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	300.0
2027	12	64452	EDF Renewables Development, Inc.	IPP	Lycan Solar Project	CA	66805	LYCAN	400.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	400.0
2027	12	49893	Invenergy Services LLC	IPP	Powell Solar	OR	67157	BESS1	20.5	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	20.5
2027	12	49893	Invenergy Services LLC	IPP	Powell Solar	OR	67157	PV1	55.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	55.9
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
2027	12	66187	Lake Whitney Solar, LLC	IPP	Lake Whitney Solar	TX	67358	4670	150.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	150.0
2027	12	50123	Leeward Asset Management, LLC	IPP	Rose Gold Solar	IN	65471	RGS23	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
2027	12	61596	Lincoln Land Energy Center LLC	IPP	Lincoln Land Energy Center	IL	62022	GEN1	520.0	Natural Gas Fired Combined Cycle	NG	CS	(P) Planned for installation, but regulatory approvals not initiated	638.4
2027	12	65812	Lumberton PV I, LLC	IPP	Lumberton PV I, LLC	TX	66904	LBTN	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2027	12	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN10	37.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2027	12	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN11	37.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2027	12	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN12	37.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2027	12	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN7	37.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2027	12	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN8	37.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2027	12	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN9	37.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2027	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
2027	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
2027	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
2027	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
2027	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
2027	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
2027	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
2027	12	64606	Steward Creek Solar, LLC	IPP	Steward Creek Solar Phase 1	IL	65301	SC1	1,200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1,200.0
2027	12	65815	Sunraycer Assets I LLC	IPP	Lupinus Solar 2, LLC	TX	66896	LP2BA	122.9	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	122.9
2027	12	65815	Sunraycer Assets I LLC	IPP	Lupinus Solar 2, LLC	TX	66896	LP2PV	244.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	244.0
2027	12	18642	Tennessee Valley Authority	Electric Utility	Lawrence County Solar	AL	67233	SOL1	193.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	193.0
2027	12	65777	Urban Grid Solar	IPP	Fairview Solar (AR)	AR	66851	FAIR1	75.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	75.0
2027	12	66190	Waco Solar II, LLC	IPP	Waco Solar II	TX	67354	5698	190.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	190.0
2028	1	65688	Cold Creek Solar, LLC	IPP	Cold Creek Solar	NY	66674	CCBA	20.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	20.0
2028	1	65688	Cold Creek Solar, LLC	IPP	Cold Creek Solar	NY	66674	CCSOL	108.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	108.0
2028	1	6738	Franklin Heating Station	Commercial	Franklin Heating Station	MN	54224	DG9	3.1	Petroleum Liquids	DFO	IC	(T) Regulatory approvals received. Not under construction	3.1
2028	1	65478	Gransolar Texas Fourteen, LLC	IPP	Eytcheson Solar	TX	66398	EYTCH	76.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	76.0
2028	1	65091	Rosebud Solar, LLC	IPP	Rosebud Solar, LLC	TX	65899	ROSEB	132.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	132.0
2028	2	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
2028	2	65777	Urban Grid Solar	IPP	Spring Valley Solar 2	AL	66858	SPRV2	200.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	200.0
2028	3	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
2028	3	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
2028	3	15143	Platte River Power Authority	Electric Utility	Rawhide	CO	6761	G	44.6	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	44.6
2028	3	15143	Platte River Power Authority	Electric Utility	Rawhide	CO	6761	H	44.6	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	44.6
2028	4	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
2028	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
2028	5	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN13	37.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2028	5	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN14	37.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2028	5	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN15	37.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2028	5	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN16	37.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2028	5	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN17	37.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2028	5	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN18	37.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2028	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
2028	6	50123	Leeward Asset Management, LLC	IPP	Owens Creek Solar	IL	65446	OCS	500.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	500.0
2028	6	13902	NorthWestern Energy (MT Hydro)	Electric Utility	Hauser	MT	2185	HAU9	3.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	3.5
2028	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
2028	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
2028	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
2028	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

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)
2028	7	65821	Hecate Grid Intrepid 1 LLC	IPP	Hecate Grid Intrepid	NY	66911	HGIN1	250.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	250.0
2028	7	65821	Hecate Grid Intrepid 1 LLC	IPP	Hecate Grid Intrepid	NY	66911	HGIN6	50.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	50.0
2028	7	65690	Premium Energy Holdings	IPP	Haiwee Pumped Storage Project	CA	66686	HL001	250.0	Hydroelectric Pumped Storage	WAT	PS	(P) Planned for installation, but regulatory approvals not initiated	250.0
2028	7	65690	Premium Energy Holdings	IPP	Haiwee Pumped Storage Project	CA	66686	HL002	250.0	Hydroelectric Pumped Storage	WAT	PS	(P) Planned for installation, but regulatory approvals not initiated	250.0
2028	7	65690	Premium Energy Holdings	IPP	Haiwee Pumped Storage Project	CA	66686	HL003	250.0	Hydroelectric Pumped Storage	WAT	PS	(P) Planned for installation, but regulatory approvals not initiated	250.0
2028	7	65690	Premium Energy Holdings	IPP	Haiwee Pumped Storage Project	CA	66686	HL004	250.0	Hydroelectric Pumped Storage	WAT	PS	(P) Planned for installation, but regulatory approvals not initiated	250.0
2028	7	65690	Premium Energy Holdings	IPP	Intermountain Pumped Storage Project	UT	66684	HL001	250.0	Hydroelectric Pumped Storage	WAT	PS	(P) Planned for installation, but regulatory approvals not initiated	250.0
2028	7	65690	Premium Energy Holdings	IPP	Intermountain Pumped Storage Project	UT	66684	HL002	250.0	Hydroelectric Pumped Storage	WAT	PS	(P) Planned for installation, but regulatory approvals not initiated	250.0
2028	7	65690	Premium Energy Holdings	IPP	Intermountain Pumped Storage Project	UT	66684	HL003	250.0	Hydroelectric Pumped Storage	WAT	PS	(P) Planned for installation, but regulatory approvals not initiated	250.0
2028	7	65690	Premium Energy Holdings	IPP	Intermountain Pumped Storage Project	UT	66684	HL004	250.0	Hydroelectric Pumped Storage	WAT	PS	(P) Planned for installation, but regulatory approvals not initiated	250.0
2028	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
2028	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
2028	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
2028	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
2028	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
2028	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
2028	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
2028	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
2028	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
2028	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
2028	10	63289	Key Capture Energy	IPP	KCE CT 1, LLC	CT	66879	CT1	105.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	105.0
2028	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
2028	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
2028	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
2028	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
2028	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
2028	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
2028	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
2028	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
2028	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
2028	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
2028	11	58880	Gallegos Wind Farm LLC	IPP	Gallegos Wind Farm, Phase 1	NM	59047	GEN 1	190.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	190.0
2028	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
2028	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
2028	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
2028	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
2028	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
2028	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
2028	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
2028	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
2028	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
2028	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
2028	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
2028	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
2028	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
2028	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
2028	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
2028	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
2028	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
2028	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
2028	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
2028	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
2028	12	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
2028	12	61956	Mount Sinai South Nassau Hospital	Commercial	Mount Sinai South Nassau Hospital	NY	62447	5	3.9	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	3.9
2028	12	61956	Mount Sinai South Nassau Hospital	Commercial	Mount Sinai South Nassau Hospital	NY	62447	6	3.9	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	3.9
2028	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
2028	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
2028	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
2028	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
2028	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
2028	12	64540	TransAlta Corporation	IPP	Prairie Violet Wind LLC	IL	66343	PVLET	130.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	130.0
2029	7	64904	AES Clean Energy	IPP	Riverside Solar LLC	NY	67325	NYRIV	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2029	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
2029	12	65708	Buffalo Branch Wind and Solar LLC	IPP	Buffalo Branch Wind and Solar LLC	MO	66701	BB1	247.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	247.0
2029	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
2030	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
2030	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
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	10	65110	Winding Stair Wind	IPP	Winding Stair Wind	IA	65938	WINDG	212.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	212.0

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
2024	1	14354	PacifiCorp	Electric Utility	Copco 1	CA	294	1	14.0	Conventional Hydroelectric	WAT	HY
2024	1	14354	PacifiCorp	Electric Utility	Copco 1	CA	294	2	14.0	Conventional Hydroelectric	WAT	HY
2024	1	14354	PacifiCorp	Electric Utility	Iron Gate	CA	297	1	18.8	Conventional Hydroelectric	WAT	HY
2024	1	14354	PacifiCorp	Electric Utility	John C Boyle	OR	3028	1	50.4	Conventional Hydroelectric	WAT	HY
2024	1	14354	PacifiCorp	Electric Utility	John C Boyle	OR	3028	2	47.6	Conventional Hydroelectric	WAT	HY
2024	2	59774	Crawfordsville Energy LLC	IPP	Crawfordsville Power Plant	IN	1024	D1	0.9	Petroleum Liquids	DFO	IC
2024	3	3249	Central Hudson Gas & Elec Corp	Electric Utility	South Cairo	NY	2485	GT1	18.1	Petroleum Liquids	KER	GT
2024	4	5347	Dow Chemical Co	Industrial	LaO Energy Systems	LA	52006	GEN1	57.0	Natural Gas Fired Combined Cycle	NG	CA
2024	4	58535	Eagle Valley Clean Energy LLC	IPP	Eagle Valley Clean Energy LLC Biomass	CO	58574	01	12.6	Wood/Wood Waste Biomass	WDS	ST
2024	4	58615	NRG Homer City Services LLC	IPP	Homer City Generating Station	PA	3122	1	626.1	Conventional Steam Coal	BIT	ST
2024	4	29297	Pelican Utility	Electric Utility	Pelican	AK	6702	IC8	0.2	Petroleum Liquids	DFO	IC
2024	4	17609	Southern California Edison Co	Electric Utility	DESI-1 Battery Energy Storage Facility	CA	60699	DESI1	2.4	Batteries	MWH	BA
2024	5	7443	City of Graettinger - (IA)	Electric Utility	Graettinger	IA	1142	4	0.5	Petroleum Liquids	DFO	IC
2024	5	5347	Dow Chemical Co	Industrial	LaO Energy Systems	LA	52006	GEN5	52.0	Natural Gas Fired Combined Cycle	NG	CT
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	1	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	10	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	11	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	12	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	13	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	14	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	15	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	16	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	17	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	18	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	19	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	2	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	20	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	21	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	22	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	23	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	24	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	25	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	26	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	27	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	28	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	29	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	3	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	30	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	31	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	32	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	33	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	34	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	35	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	36	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	4	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	5	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	6	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	7	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	8	0.3	Landfill Gas	LFG	IC
2024	5	55938	Industrial Power Generating Company LLC	IPP	Virginia Beach	VA	56693	9	0.3	Landfill Gas	LFG	IC
2024	5	20847	Wisconsin Electric Power Co	Electric Utility	South Oak Creek	WI	4041	5	242.2	Conventional Steam Coal	RC	ST
2024	5	20847	Wisconsin Electric Power Co	Electric Utility	South Oak Creek	WI	4041	6	253.8	Conventional Steam Coal	RC	ST
2024	6	35	AES WR Ltd Partnership	Electric CHP	AES Warrior Run Cogeneration Facility	MD	10678	GEN1	180.0	Conventional Steam Coal	BIT	ST
2024	6	221	Alaska Village Elec Coop, Inc	Electric Utility	Bethel	AK	6566	6	2.1	Petroleum Liquids	DFO	IC
2024	6	56606	Calpine New Jersey Generation LLC	IPP	Carlls Corner	NJ	2379	CA1	37.6	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	56606	Calpine New Jersey Generation LLC	IPP	Carlls Corner	NJ	2379	CA2	39.2	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	56606	Calpine New Jersey Generation LLC	IPP	Mickleton Station	NJ	8008	MICK	63.7	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	1278	City of Barron - (WI)	Electric Utility	Barron	WI	4102	1A	1.1	Petroleum Liquids	DFO	IC
2024	6	1278	City of Barron - (WI)	Electric Utility	Barron	WI	4102	2A	1.1	Petroleum Liquids	DFO	IC
2024	6	1278	City of Barron - (WI)	Electric Utility	Barron	WI	4102	3A	1.1	Petroleum Liquids	DFO	IC
2024	6	1278	City of Barron - (WI)	Electric Utility	Barron	WI	4102	4	1.1	Petroleum Liquids	DFO	IC
2024	6	1278	City of Barron - (WI)	Electric Utility	Barron	WI	4102	8	1.3	Petroleum Liquids	DFO	IC
2024	6	1278	City of Barron - (WI)	Electric Utility	Barron	WI	4102	9	2.0	Petroleum Liquids	DFO	IC
2024	6	3265	Cleco Power LLC	Electric Utility	Teche	LA	1400	3	250.0	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
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	12653	Lanyard Power Holdings, LLC	IPP	Morgantown Generating Plant	MD	1573	3	54.0	Petroleum Liquids	DFO	GT
2024	6	12653	Lanyard Power Holdings, LLC	IPP	Morgantown Generating Plant	MD	1573	4	54.0	Petroleum Liquids	DFO	GT
2024	6	12653	Lanyard Power Holdings, LLC	IPP	Morgantown Generating Plant	MD	1573	5	54.0	Petroleum Liquids	DFO	GT
2024	6	12653	Lanyard Power Holdings, LLC	IPP	Morgantown Generating Plant	MD	1573	6	54.0	Petroleum Liquids	DFO	GT
2024	6	17697	Southwestern Electric Coop Inc - (IL)	Electric Utility	Freedom Power Project	IL	7842	CT1	45.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	G10	15.1	Petroleum Liquids	DFO	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	G11	15.1	Petroleum Liquids	DFO	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	G12	15.1	Petroleum Liquids	DFO	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	G13	15.1	Petroleum Liquids	DFO	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	G14	15.1	Petroleum Liquids	DFO	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	G15	15.1	Petroleum Liquids	DFO	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	G16	15.1	Petroleum Liquids	DFO	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	G17	46.4	Petroleum Liquids	DFO	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	G18	46.4	Petroleum Liquids	DFO	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	GT1	15.1	Petroleum Liquids	DFO	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	GT2	15.1	Petroleum Liquids	DFO	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	GT3	15.1	Petroleum Liquids	DFO	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	GT4	15.1	Petroleum Liquids	DFO	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	GT5	15.1	Petroleum Liquids	DFO	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	G10	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	G11	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	G12	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	G13	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	G14	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	G15	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	G16	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	GT1	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	GT2	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	GT3	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	GT4	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	GT5	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	GT6	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	GT7	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	GT8	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	GT9	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	7	13948	City of Oberlin - (KS)	Electric Utility	Oberlin (KS)	KS	1312	1	0.9	Petroleum Liquids	DFO	IC
2024	7	13948	City of Oberlin - (KS)	Electric Utility	Oberlin (KS)	KS	1312	2	0.6	Petroleum Liquids	DFO	IC
2024	7	13948	City of Oberlin - (KS)	Electric Utility	Oberlin (KS)	KS	1312	4	1.2	Petroleum Liquids	DFO	IC
2024	7	13948	City of Oberlin - (KS)	Electric Utility	Oberlin (KS)	KS	1312	5	1.3	Petroleum Liquids	DFO	IC
2024	7	13948	City of Oberlin - (KS)	Electric Utility	Oberlin (KS)	KS	1312	6	1.2	Petroleum Liquids	DFO	IC
2024	7	8453	Hendricks Regional Health	Commercial	Hendricks Regional Health	IN	54731	GEO1	0.5	Petroleum Liquids	DFO	IC
2024	7	8453	Hendricks Regional Health	Commercial	Hendricks Regional Health	IN	54731	GEO2	0.5	Petroleum Liquids	DFO	IC
2024	7	8453	Hendricks Regional Health	Commercial	Hendricks Regional Health	IN	54731	GEO3	0.3	Petroleum Liquids	DFO	IC
2024	7	11208	Los Angeles Department of Water & Power	Commercial	North Hollywood	CA	57854	1PT1	1.8	Conventional Hydroelectric	WAT	HY
2024	7	11208	Los Angeles Department of Water & Power	Commercial	North Hollywood	CA	57854	1PT2	1.8	Conventional Hydroelectric	WAT	HY
2024	7	11208	Los Angeles Department of Water & Power	Commercial	North Hollywood	CA	57854	1PT3	1.8	Conventional Hydroelectric	WAT	HY
2024	7	11208	Los Angeles Department of Water & Power	Commercial	North Hollywood	CA	57854	3T1	0.5	Conventional Hydroelectric	WAT	HY
2024	7	11208	Los Angeles Department of Water & Power	Commercial	North Hollywood	CA	57854	3T2	0.2	Conventional Hydroelectric	WAT	HY
2024	7	20541	Wheelabrator Environmental Systems	Commercial	Wheelabrator Portsmouth	VA	54998	1410	15.5	Municipal Solid Waste	MSW	ST
2024	7	20541	Wheelabrator Environmental Systems	Commercial	Wheelabrator Portsmouth	VA	54998	1420	15.5	Municipal Solid Waste	MSW	ST
2024	7	20541	Wheelabrator Environmental Systems	Commercial	Wheelabrator Portsmouth	VA	54998	1430	15.5	Municipal Solid Waste	MSW	ST
2024	8	5347	Dow Chemical Co	Industrial	LaO Energy Systems	LA	52006	GEN2	80.0	Natural Gas Fired Combined Cycle	NG	CA
2024	8	5347	Dow Chemical Co	Industrial	LaO Energy Systems	LA	52006	GEN3	94.0	Natural Gas Fired Combined Cycle	NG	CA
2024	8	5347	Dow Chemical Co	Industrial	LaO Energy Systems	LA	52006	GEN4	49.0	Natural Gas Fired Combined Cycle	NG	CA
2024	8	16534	Sacramento Municipal Util Dist	Electric Utility	White Rock/Slab Creek	CA	435	H4	0.5	Conventional Hydroelectric	WAT	HY
2024	9	1058	B Braun Medical Inc	Industrial	B Braun Medical	CA	50200	GEN1	2.7	Natural Gas Fired Combustion Turbine	NG	GT
2024	9	1058	B Braun Medical Inc	Industrial	B Braun Medical	CA	50200	GEN2	3.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	9	5347	Dow Chemical Co	Industrial	LaO Energy Systems	LA	52006	GEN6	52.0	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	5416	Duke Energy Carolinas, LLC	Electric Utility	G G Allen	NC	2718	1	120.0	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	7601	Green Mountain Power Corp	Electric Utility	Rutland	VT	3723	GT5	8.4	Petroleum Liquids	DFO	IC
2024	12	59504	Kirkwood Community College	IPP	Kirkwood Wind Turbine	IA	59735	KCC01	0.7	Onshore Wind Turbine	WND	WT
2024	12	11249	Louisville Gas & Electric Co	Electric Utility	Mill Creek (KY)	KY	1364	1	300.0	Conventional Steam Coal	BIT	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	13914	Occidental Chemical Corporation	Industrial	Wichita Plant	KS	50169	GEN1	27.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	12	14328	Pacific Gas & Electric Co.	Electric Utility	Cow Creek	CA	229	1	0.9	Conventional Hydroelectric	WAT	HY
2024	12	14328	Pacific Gas & Electric Co.	Electric Utility	Cow Creek	CA	229	2	0.9	Conventional Hydroelectric	WAT	HY
2024	12	14328	Pacific Gas & Electric Co.	Electric Utility	Kilarc	CA	253	1	1.6	Conventional Hydroelectric	WAT	HY
2024	12	15400	Procter & Gamble Co	Industrial	Procter & Gamble Cincinnati Plant	OH	50456	GEN1	11.7	Natural Gas Steam Turbine	NG	ST
2024	12	16899	SERRF Joint Powers Authority	Electric CHP	Southeast Resource Recovery	CA	50837	GEN1	28.0	Municipal Solid Waste	MSW	ST
2024	12	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	G19	46.4	Petroleum Liquids	DFO	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	G20	46.4	Petroleum Liquids	DFO	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	GT6	15.1	Petroleum Liquids	DFO	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	GT7	15.1	Petroleum Liquids	DFO	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	GT8	15.1	Petroleum Liquids	DFO	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	GT9	15.1	Petroleum Liquids	DFO	GT
2024	12	61950	Terra-Gen Operating Co-Solar	IPP	SEGS IX	CA	10446	GEN1	88.0	Solar Thermal without Energy Storage	SUN	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	1	15474	Public Service Co of Oklahoma	Electric Utility	Weleetka	OK	2966	4	55.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	1	15474	Public Service Co of Oklahoma	Electric Utility	Weleetka	OK	2966	5	53.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	3	16604	City of San Antonio - (TX)	Electric Utility	V H Braunig	TX	3612	1	217.0	Natural Gas Steam Turbine	NG	ST
2025	3	16604	City of San Antonio - (TX)	Electric Utility	V H Braunig	TX	3612	2	230.0	Natural Gas Steam Turbine	NG	ST
2025	3	16604	City of San Antonio - (TX)	Electric Utility	V H Braunig	TX	3612	3	412.0	Natural Gas Steam Turbine	NG	ST
2025	4	6452	Florida Power & Light Co	Electric Utility	Pea Ridge	FL	7715	1	4.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	4	6452	Florida Power & Light Co	Electric Utility	Pea Ridge	FL	7715	2	4.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	4	6452	Florida Power & Light Co	Electric Utility	Pea Ridge	FL	7715	3	4.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	4	65792	IIT Energy Tech Partners, LLC	Commercial	ITT Cogen Facility	IL	52021	GEN1	3.5	Natural Gas Fired Combustion Turbine	NG	GT
2025	4	65792	IIT Energy Tech Partners, LLC	Commercial	ITT Cogen Facility	IL	52021	GEN2	3.5	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 Co - (MI)	Electric Utility	J H Campbell	MI	1710	1	260.0	Conventional Steam Coal	SUB	ST
2025	5	4254	Consumers Energy Co - (MI)	Electric Utility	J H Campbell	MI	1710	2	355.5	Conventional Steam Coal	SUB	ST
2025	5	4254	Consumers Energy Co - (MI)	Electric Utility	J H Campbell	MI	1710	3	784.6	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	5	20847	Wisconsin Electric Power Co	Electric Utility	South Oak Creek	WI	4041	7	306.5	Conventional Steam Coal	SUB	ST
2025	5	20847	Wisconsin Electric Power Co	Electric Utility	South Oak Creek	WI	4041	8	309.5	Conventional Steam Coal	SUB	ST
2025	5	20860	Wisconsin Public Service Corp	Electric Utility	West Marinette	WI	4076	31	38.1	Natural Gas Fired Combustion Turbine	NG	GT
2025	5	20860	Wisconsin Public Service Corp	Electric Utility	West Marinette	WI	4076	32	36.7	Natural Gas Fired Combustion Turbine	NG	GT
2025	6	60421	Brandon Shores LLC	IPP	Brandon Shores	MD	602	1	635.0	Conventional Steam Coal	BIT	ST
2025	6	60421	Brandon Shores LLC	IPP	Brandon Shores	MD	602	2	638.0	Conventional Steam Coal	BIT	ST
2025	6	6035	Constellation Power, Inc	IPP	Eddystone Generating Station	PA	3161	3	380.0	Natural Gas Steam Turbine	NG	ST
2025	6	6035	Constellation Power, Inc	IPP	Eddystone Generating Station	PA	3161	4	380.0	Natural Gas Steam Turbine	NG	ST
2025	6	814	Entergy Arkansas LLC	Electric Utility	Lake Catherine	AR	170	4	522.0	Natural Gas Steam Turbine	NG	ST
2025	6	11241	Entergy Louisiana LLC	Electric Utility	Waterford 1 & 2	LA	8056	2	416.8	Natural Gas Steam Turbine	NG	ST
2025	6	60422	H.A. Wagner LLC	IPP	Herbert A Wagner	MD	1554	1	126.0	Petroleum Liquids	DFO	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	6	60422	H.A. Wagner LLC	IPP	Herbert A Wagner	MD	1554	3	305.0	Petroleum Liquids	DFO	ST
2025	6	60422	H.A. Wagner LLC	IPP	Herbert A Wagner	MD	1554	4	397.0	Petroleum Liquids	DFO	ST
2025	6	19830	NRG Vienna Operations Inc	IPP	Vienna Operations	MD	1564	10	14.3	Petroleum Liquids	DFO	GT
2025	6	19830	NRG Vienna Operations Inc	IPP	Vienna Operations	MD	1564	8	153.0	Petroleum Liquids	RFO	ST
2025	6	66075	Old Gold Energy Center, LLC	IPP	Old Gold Energy Center, LLC	IA	55804	NM	80.0	Onshore Wind Turbine	WND	WT
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	6	20856	Wisconsin Power & Light Co	Electric Utility	Edgewater	WI	4050	5	406.1	Conventional Steam Coal	SUB	ST
2025	7	11208	Los Angeles Department of Water & Power	Electric Utility	Intermountain Power Project	UT	6481	1	900.0	Conventional Steam Coal	BIT	ST
2025	7	11208	Los Angeles Department of Water & Power	Electric Utility	Intermountain Power Project	UT	6481	2	900.0	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	13157	City of Omaha	Commercial	Papillion Creek Wastewater	NE	55027	951	0.5	Other Waste Biomass	OBG	IC
2025	8	13157	City of Omaha	Commercial	Papillion Creek Wastewater	NE	55027	952	0.5	Other Waste Biomass	OBG	IC
2025	8	13157	City of Omaha	Commercial	Papillion Creek Wastewater	NE	55027	953	0.5	Other Waste Biomass	OBG	IC
2025	8	14328	Pacific Gas & Electric Co.	Electric Utility	Diablo Canyon	CA	6099	2	1,118.0	Nuclear	NUC	ST
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GE10	0.8	Landfill Gas	LFG	IC
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GE11	0.8	Landfill Gas	LFG	IC
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GE12	0.8	Landfill Gas	LFG	IC
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GE13	0.8	Landfill Gas	LFG	IC
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GE14	0.8	Landfill Gas	LFG	IC
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GEN5	0.8	Landfill Gas	LFG	IC
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GEN6	0.8	Landfill Gas	LFG	IC
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GEN7	0.8	Landfill Gas	LFG	IC
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GEN8	0.8	Landfill Gas	LFG	IC
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GEN9	0.8	Landfill Gas	LFG	IC
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	2138	Brainerd Public Utilities	Electric Utility	Brainerd Public Utilities	MN	50636	4	0.6	Conventional Hydroelectric	WAT	HY
2025	12	65384	Cartier Energy, LLC	Commercial	Hartford Hospital Cogeneration	CT	52061	GEN2	2.4	Natural Gas Fired Combined Cycle	NG	CA
2025	12	65384	Cartier Energy, LLC	Commercial	Hartford Hospital Cogeneration	CT	52061	GEN3	6.2	Natural Gas Fired Combined Cycle	NG	CT
2025	12	3249	Central Hudson Gas & Elec Corp	Electric Utility	Central Hudson High Falls	NY	579	1	3.2	Conventional Hydroelectric	WAT	HY
2025	12	3249	Central Hudson Gas & Elec Corp	Electric Utility	West Coxsackie	NY	2487	GT1	20.2	Natural Gas Fired Combustion Turbine	NG	GT
2025	12	17539	Dominion Energy South Carolina, Inc	Electric Utility	Coit GT	SC	3281	1	14.0	Petroleum Liquids	DFO	GT
2025	12	17539	Dominion Energy South Carolina, Inc	Electric Utility	Coit GT	SC	3281	2	12.0	Petroleum Liquids	DFO	GT
2025	12	5517	Dynegy Midwest Generation Inc	IPP	Baldwin Energy Complex	IL	889	1	576.0	Conventional Steam Coal	SUB	ST
2025	12	5517	Dynegy Midwest Generation Inc	IPP	Baldwin Energy Complex	IL	889	2	581.0	Conventional Steam Coal	SUB	ST
2025	12	5701	El Paso Electric Co	Electric Utility	Rio Grande	NM	2444	7	46.0	Natural Gas Steam Turbine	NG	ST
2025	12	13756	Northern Indiana Pub Serv Co	Electric Utility	R M Schahfer	IN	6085	17	361.0	Conventional Steam Coal	BIT	ST
2025	12	13756	Northern Indiana Pub Serv Co	Electric Utility	R M Schahfer	IN	6085	18	361.0	Conventional Steam Coal	BIT	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	Blue Lake	MN	8027	1	36.0	Petroleum Liquids	DFO	GT
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Blue Lake	MN	8027	2	36.0	Petroleum Liquids	DFO	GT
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Blue Lake	MN	8027	3	36.0	Petroleum Liquids	DFO	GT
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Blue Lake	MN	8027	4	39.0	Petroleum Liquids	DFO	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	14610	Orlando Utilities Comm	Electric Utility	Stanton Energy Center	FL	564	1	453.4	Conventional Steam Coal	BIT	ST
2025	12	17470	PUD No 1 of Snohomish County	Electric Utility	MESA 1	WA	60016	A	1.0	Batteries	MWH	BA
2025	12	17470	PUD No 1 of Snohomish County	Electric Utility	MESA 1	WA	60016	B	1.0	Batteries	MWH	BA
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	BIT	ST
2025	12	17166	Sierra Pacific Power Co	Electric Utility	North Valmy	NV	8224	2	268.0	Conventional Steam Coal	BIT	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

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	19099	TransAlta Centralia Gen LLC	IPP	Transalta Centralia Generation	WA	3845	2	670.0	Conventional Steam Coal	SUB	ST
2025	12	30151	Tri-State G & T Assn, Inc	Electric Utility	Craig (CO)	CO	6021	1	427.0	Conventional Steam Coal	SUB	ST
2025	12	19436	Union Electric Co - (MO)	Electric Utility	Rush Island	MO	6155	1	589.0	Conventional Steam Coal	SUB	ST
2025	12	19436	Union Electric Co - (MO)	Electric Utility	Rush Island	MO	6155	2	589.0	Conventional Steam Coal	SUB	ST
2026	4	7490	Grand River Dam Authority	Electric Utility	GREC	OK	165	2	492.5	Conventional Steam Coal	SUB	ST
2026	5	57015	Third Taxing District of Norwalk	Electric Utility	Norden 1-3	CT	57689	NORD1	2.0	Petroleum Liquids	DFO	IC
2026	5	57015	Third Taxing District of Norwalk	Electric Utility	Norden 1-3	CT	57689	NORD2	2.0	Petroleum Liquids	DFO	IC
2026	5	57015	Third Taxing District of Norwalk	Electric Utility	Norden 1-3	CT	57689	NORD3	2.0	Petroleum Liquids	DFO	IC
2026	6	14605	City of Peabody - (MA)	Electric Utility	Waters River	MA	1678	1	16.0	Natural Gas Fired Combustion Turbine	NG	GT
2026	6	11241	Entergy Louisiana LLC	Electric Utility	Little Gypsy	LA	1402	2	412.0	Natural Gas Steam Turbine	NG	ST
2026	6	55937	Entergy Texas Inc.	Electric Utility	Sabine	TX	3459	3	374.9	Natural Gas Steam Turbine	NG	ST
2026	6	55937	Entergy Texas Inc.	Electric Utility	Sabine	TX	3459	4	490.8	Natural Gas Steam Turbine	NG	ST
2026	6	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT1	9.6	Natural Gas Fired Combustion Turbine	NG	GT
2026	6	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT2	9.7	Natural Gas Fired Combustion Turbine	NG	GT
2026	6	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT3	12.1	Natural Gas Fired Combustion Turbine	NG	GT
2026	6	9417	Interstate Power and Light Co	Electric Utility	Burlington (IA)	IA	1104	GT4	5.8	Natural Gas Fired Combustion Turbine	NG	GT
2026	6	13902	NorthWestern Energy (MT Hydro)	Electric Utility	Hauser	MT	2185	HAU3	2.8	Conventional Hydroelectric	WAT	HY
2026	6	20856	Wisconsin Power & Light Co	Electric Utility	Columbia (WI)	WI	8023	1	556.2	Conventional Steam Coal	SUB	ST
2026	6	20856	Wisconsin Power & Light Co	Electric Utility	Columbia (WI)	WI	8023	2	561.8	Conventional Steam Coal	SUB	ST
2026	8	60474	Vanguard Energy Partners, LLC	IPP	Bergenmand Solar Partners, LLC Mahwah	NJ	63200	SA1	0.5	Solar Photovoltaic	SUN	PV
2026	10	60094	Clinton Battery Utility, LLC	IPP	Clinton Battery	OH	60297	1	5.0	Batteries	MWH	BA
2026	10	55937	Entergy Texas Inc.	Electric Utility	Sabine	TX	3459	1	201.1	Natural Gas Steam Turbine	NG	ST
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	10	21048	Wyandotte Municipal Serv Comm	Electric Utility	Wyandotte	MI	1866	4	10.5	Natural Gas Steam Turbine	NG	ST
2026	10	21048	Wyandotte Municipal Serv Comm	Electric Utility	Wyandotte	MI	1866	7	32.0	Natural Gas Steam Turbine	NG	ST
2026	11	60538	Vitro Architectural Glass	Industrial	Works 4	TX	54364	L2G	2.0	Petroleum Liquids	DFO	IC
2026	12	22148	AES Alamitos LLC	IPP	AES Alamitos LLC	CA	315	3	332.0	Natural Gas Steam Turbine	NG	ST
2026	12	22148	AES Alamitos LLC	IPP	AES Alamitos LLC	CA	315	4	335.0	Natural Gas Steam Turbine	NG	ST
2026	12	22148	AES Alamitos LLC	IPP	AES Alamitos LLC	CA	315	5	485.0	Natural Gas Steam Turbine	NG	ST
2026	12	23693	AES Huntington Beach LLC	IPP	AES Huntington Beach LLC	CA	335	2	225.8	Natural Gas Steam Turbine	NG	ST
2026	12	9332	Indian River Operations Inc	IPP	Indian River Generating Station	DE	594	4	410.0	Conventional Steam Coal	BIT	ST
2026	12	61944	MN8 Energy LLC	IPP	L'Oreal Piscataway	NJ	57868	UNIT1	0.5	Solar Photovoltaic	SUN	PV
2026	12	61944	MN8 Energy LLC	IPP	L'Oreal Piscataway	NJ	57868	UNIT2	0.3	Solar Photovoltaic	SUN	PV
2026	12	61944	MN8 Energy LLC	IPP	L'Oreal Piscataway	NJ	57868	UNIT3	0.3	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	14127	Omaha Public Power District	Electric Utility	North Omaha	NE	2291	1	63.0	Natural Gas Steam Turbine	NG	ST
2026	12	14127	Omaha Public Power District	Electric Utility	North Omaha	NE	2291	2	83.4	Natural Gas Steam Turbine	NG	ST
2026	12	14127	Omaha Public Power District	Electric Utility	North Omaha	NE	2291	3	92.5	Natural Gas Steam Turbine	NG	ST
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	SUB	ST
2026	12	18642	Tennessee Valley Authority	Electric Utility	Kingston	TN	3407	8	174.0	Conventional Steam Coal	SUB	ST
2026	12	18642	Tennessee Valley Authority	Electric Utility	Kingston	TN	3407	9	174.0	Conventional Steam Coal	SUB	ST
2027	1	3476	DTE San Diego COGEN Inc.	Commercial	Childrens Hospital	CA	10175	0799	2.0	Petroleum Liquids	DFO	IC
2027	1	63844	Ellwood Power, LLC	IPP	Ellwood	CA	8076	01	54.0	Natural Gas Fired Combustion Turbine	NG	GT
2027	1	63843	Ormond Beach Power, LLC	IPP	Ormond Beach	CA	350	1	741.0	Natural Gas Steam Turbine	NG	ST
2027	1	63843	Ormond Beach Power, LLC	IPP	Ormond Beach	CA	350	2	750.0	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
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	3	16604	City of San Antonio - (TX)	Electric Utility	O W Sommers	TX	3611	1	420.0	Natural Gas Steam Turbine	NG	ST
2027	3	60538	Vitro Architectural Glass	Industrial	Works 4	TX	54364	L1G	2.0	Petroleum Liquids	DFO	IC
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	65159	BT Generation Holdings, LLC	IPP	Tanner Street Generation	MA	54586	TRENT	58.0	Natural Gas Fired Combined Cycle	NG	CT
2027	6	65159	BT Generation Holdings, LLC	IPP	Tanner Street Generation	MA	54586	VAX	17.0	Natural Gas Fired Combined Cycle	NG	CA
2027	6	16612	City & County of San Francisco	Commercial	SF Southeast Cogen Plant	CA	57971	COGEN	2.1	Other Waste Biomass	OBG	IC
2027	6	11249	Louisville Gas & Electric Co	Electric Utility	Mill Creek (KY)	KY	1364	2	297.0	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	7	59918	Dynegy Kincaid Generation	IPP	Kincaid Generation LLC	IL	876	1	556.0	Conventional Steam Coal	SUB	ST
2027	7	59918	Dynegy Kincaid Generation	IPP	Kincaid Generation LLC	IL	876	2	556.0	Conventional Steam Coal	SUB	ST
2027	8	61364	Lockheed Martin RMS Syracuse	Industrial	Lockheed Martin RMS Syracuse	NY	61739	SYR1	1.0	Batteries	MWH	BA
2027	12	56570	Coleto Creek Power LP	IPP	Coleto Creek	TX	6178	1	655.0	Conventional Steam Coal	SUB	ST
2027	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	1	73.0	Natural Gas Steam Turbine	NG	ST
2027	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	2	73.0	Natural Gas Steam Turbine	NG	ST
2027	12	6909	Gainesville Regional Utilities	Electric Utility	Deerhaven Generating Station	FL	663	1	76.0	Natural Gas Steam Turbine	NG	ST
2027	12	520	Illinois Power Generating Co	IPP	Newton	IL	6017	1	595.0	Conventional Steam Coal	SUB	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
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	SUB	ST
2027	12	14354	PacifiCorp	Electric Utility	Dave Johnston	WY	4158	2	102.0	Conventional Steam Coal	SUB	ST
2027	12	14354	PacifiCorp	Electric Utility	Dave Johnston	WY	4158	3	220.0	Conventional Steam Coal	SUB	ST
2027	12	14354	PacifiCorp	Electric Utility	Dave Johnston	WY	4158	4	330.0	Conventional Steam Coal	SUB	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	Nichols	TX	3484	2	106.0	Natural Gas Steam Turbine	NG	ST
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	SUB	ST
2027	12	18642	Tennessee Valley Authority	Electric Utility	Kingston	TN	3407	2	132.0	Conventional Steam Coal	SUB	ST
2027	12	18642	Tennessee Valley Authority	Electric Utility	Kingston	TN	3407	3	132.0	Conventional Steam Coal	SUB	ST
2027	12	18642	Tennessee Valley Authority	Electric Utility	Kingston	TN	3407	4	132.0	Conventional Steam Coal	SUB	ST
2027	12	18642	Tennessee Valley Authority	Electric Utility	Kingston	TN	3407	5	174.0	Conventional Steam Coal	SUB	ST
2027	12	18642	Tennessee Valley Authority	Electric Utility	Kingston	TN	3407	6	174.0	Conventional Steam Coal	SUB	ST
2027	12	24211	Tucson Electric Power Co	Electric Utility	Springerville	AZ	8223	1	381.0	Conventional Steam Coal	SUB	ST
2028	1	56997	Marina Energy LLC	IPP	Freeze Solar	NJ	60759	PV1	1.5	Solar Photovoltaic	SUN	PV
2028	1	13781	Northern States Power Co - Minnesota	Electric Utility	Allen S King	MN	1915	1	511.0	Conventional Steam Coal	SUB	ST
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

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2028	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	Brunswick	NV	6510	1	2.0	Petroleum Liquids	DFO	IC
2028	9	17166	Sierra Pacific Power Co	Electric Utility	Brunswick	NV	6510	2	2.0	Petroleum Liquids	DFO	IC
2028	9	17166	Sierra Pacific Power Co	Electric Utility	Brunswick	NV	6510	3	2.0	Petroleum Liquids	DFO	IC
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	11	56898	Sunnyvale City of WPCP	Electric Utility	Sunnyvale City of WPCP	CA	57557	S-14	0.8	Natural Gas Internal Combustion Engine	NG	IC
2028	12	61412	Cardinal Operating Company	IPP	Cardinal	OH	2828	3	620.0	Conventional Steam Coal	BIT	ST
2028	12	16604	City of San Antonio - (TX)	Electric Utility	J K Spruce	TX	7097	1	560.0	Conventional Steam Coal	SUB	ST
2028	12	5109	DTE Electric Company	Electric Utility	Belle River	MI	6034	ST1	635.0	Conventional Steam Coal	SUB	ST
2028	12	5109	DTE Electric Company	Electric Utility	Belle River	MI	6034	ST2	635.0	Conventional Steam Coal	SUB	ST
2028	12	5109	DTE Electric Company	Electric Utility	Monroe (MI)	MI	1733	3	773.0	Conventional Steam Coal	SUB	ST
2028	12	5109	DTE Electric Company	Electric Utility	Monroe (MI)	MI	1733	4	762.0	Conventional Steam Coal	SUB	ST
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	61944	MN8 Energy LLC	IPP	ACCC Mays Landing	NJ	60802	PV1	1.4	Solar Photovoltaic	SUN	PV
2028	12	61944	MN8 Energy LLC	IPP	IFF Hazlet	NJ	60709	GRND	3.0	Solar Photovoltaic	SUN	PV
2028	12	11843	Maui Electric Co Ltd	Electric Utility	Kahului	HI	6056	1	4.7	Petroleum Liquids	RFO	ST
2028	12	11843	Maui Electric Co Ltd	Electric Utility	Kahului	HI	6056	2	4.8	Petroleum Liquids	RFO	ST
2028	12	11843	Maui Electric Co Ltd	Electric Utility	Kahului	HI	6056	3	11.0	Petroleum Liquids	RFO	ST
2028	12	11843	Maui Electric Co Ltd	Electric Utility	Kahului	HI	6056	4	11.9	Petroleum Liquids	RFO	ST
2028	12	15466	Public Service Co of Colorado	Electric Utility	Hayden	CO	525	1	179.0	Conventional Steam Coal	BIT	ST
2028	12	17718	Southwestern Public Service Co	Electric Utility	Maddox	NM	2446	1	112.0	Natural Gas Steam Turbine	NG	ST
2028	12	17718	Southwestern Public Service Co	Electric Utility	Tolk	TX	6194	1	532.0	Conventional Steam Coal	SUB	ST
2028	12	17718	Southwestern Public Service Co	Electric Utility	Tolk	TX	6194	2	535.0	Conventional Steam Coal	SUB	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	SUB	ST
2028	12	19436	Union Electric Co - (MO)	Electric Utility	Sioux	MO	2107	2	487.0	Conventional Steam Coal	SUB	ST
2029	3	16604	City of San Antonio - (TX)	Electric Utility	O W Sommers	TX	3611	2	410.0	Natural Gas Steam Turbine	NG	ST
2029	6	65384	Cartier Energy, LLC	Commercial	Hartford Hospital Cogeneration	CT	52061	GEN4	1.4	Other Natural Gas	NG	FC
2029	6	11241	Entergy Louisiana LLC	Electric Utility	Little Gypsy	LA	1402	3	496.1	Natural Gas Steam Turbine	NG	ST
2029	9	10875	Lee County Board-Commissioners	IPP	Lee County Solid Waste Energy	FL	52010	GEN1	39.0	Municipal Solid Waste	MSW	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	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	1	105.0	Natural Gas Steam Turbine	NG	ST
2029	12	11208	Los Angeles Department of Water & Power	Electric Utility	Scattergood	CA	404	2	156.3	Natural Gas Steam Turbine	NG	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
2030	5	8973	Town of Hudson - (MA)	Electric Utility	Cherry Street	MA	9038	10	1.9	Natural Gas Internal Combustion Engine	NG	IC
2030	5	8973	Town of Hudson - (MA)	Electric Utility	Cherry Street	MA	9038	11	1.9	Natural Gas Internal Combustion Engine	NG	IC
2030	6	327	Air Liquide Large Industries U S LP	Industrial	Geismar Cogen	LA	56787	GTG	72.5	Natural Gas Fired Combustion Turbine	NG	GT
2030	6	13781	Northern States Power Co - Minnesota	Electric Utility	French Island	WI	4005	1	9.0	Wood/Wood Waste Biomass	WDS	ST
2030	6	13781	Northern States Power Co - Minnesota	Electric Utility	French Island	WI	4005	2	7.0	Wood/Wood Waste Biomass	WDS	ST
2030	6	13781	Northern States Power Co - Minnesota	Electric Utility	French Island	WI	4005	3	61.0	Petroleum Liquids	DFO	GT
2030	6	13781	Northern States Power Co - Minnesota	Electric Utility	French Island	WI	4005	4	58.0	Petroleum Liquids	DFO	GT
2030	6	16732	San Jose State University Fclts Dev &Ops	Commercial	San Jose Cogeneration	CA	10548	GEN1	5.6	Natural Gas Fired Combustion Turbine	NG	GT
2030	10	6013	Eugene Water & Electric Board	Electric Utility	Carmen Smith	OR	3067	3	3.8	Conventional Hydroelectric	WAT	HY
2030	10	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
2030	10	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
2030	10	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
2030	10	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
2030	12	5701	El Paso Electric Co	Electric Utility	Copper	TX	9	1	63.0	Natural Gas Fired Combustion Turbine	NG	GT
2030	12	12698	Evergy Missouri West	Electric Utility	Lake Road (MO)	MO	2098	4	94.6	Natural Gas Steam Turbine	NG	ST
2030	12	17543	South Carolina Public Service Authority	Electric Utility	Winyah	SC	6249	1	275.0	Conventional Steam Coal	BIT	ST
2030	12	17543	South Carolina Public Service Authority	Electric Utility	Winyah	SC	6249	2	285.0	Conventional Steam Coal	BIT	ST
2030	12	17543	South Carolina Public Service Authority	Electric Utility	Winyah	SC	6249	3	285.0	Conventional Steam Coal	BIT	ST
2030	12	17543	South Carolina Public Service Authority	Electric Utility	Winyah	SC	6249	4	285.0	Conventional Steam Coal	BIT	ST
2030	12	17718	Southwestern Public Service Co	Electric Utility	Nichols	TX	3484	3	244.0	Natural Gas Steam Turbine	NG	ST
2031	3	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL00	0.1	Other Natural Gas	NG	FC
2031	3	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	CL01	0.1	Other Natural Gas	NG	FC

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2031	3	56778	Bloom Energy 2009 PPA	IPP	Caltech Central	CA	57460	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)	731.9	Natural Gas Steam Turbine	NG	ST
2031	8	61944	MN8 Energy LLC	IPP	L'Oreal Piscataway	NJ	57868	UNIT4	0.7	Solar Photovoltaic	SUN	PV
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	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	3	90.0	Natural Gas Steam Turbine	NG	ST
2031	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	4	86.0	Natural Gas Fired Combined Cycle	NG	CA
2031	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	CT1	67.0	Natural Gas Fired Combined Cycle	NG	CT
2031	12	5701	El Paso Electric Co	Electric Utility	Newman	TX	3456	CT2	67.0	Natural Gas Fired Combined Cycle	NG	CT
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	80.0	Natural Gas Fired Combustion Turbine	NG	GT
2031	12	54888	NRG Texas Power LLC	IPP	San Jacinto Steam Electric Station	TX	7325	2	80.0	Natural Gas Fired Combustion Turbine	NG	GT
2031	12	13781	Northern States Power Co - Minnesota	Electric Utility	Black Dog	MN	1904	2	117.0	Natural Gas Fired Combined Cycle	NG	CA
2031	12	13781	Northern States Power Co - Minnesota	Electric Utility	Black Dog	MN	1904	5	165.0	Natural Gas Fired Combined Cycle	NG	CT
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	BIT	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	5109	DTE Electric Company	Electric Utility	Monroe (MI)	MI	1733	1	758.0	Conventional Steam Coal	SUB	ST
2032	12	5109	DTE Electric Company	Electric Utility	Monroe (MI)	MI	1733	2	773.0	Conventional Steam Coal	SUB	ST
2032	12	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	GTA	20.5	Natural Gas Fired Combined Cycle	NG	CT
2032	12	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	GTB	20.5	Natural Gas Fired Combined Cycle	NG	CT
2032	12	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	GTC	20.5	Natural Gas Fired Combined Cycle	NG	CT
2032	12	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	STM	24.0	Natural Gas Fired Combined Cycle	NG	CA
2032	12	14354	PacifiCorp	Electric Utility	Gadsby	UT	3648	1	64.0	Natural Gas Steam Turbine	NG	ST
2032	12	14354	PacifiCorp	Electric Utility	Gadsby	UT	3648	2	69.0	Natural Gas Steam Turbine	NG	ST
2032	12	14354	PacifiCorp	Electric Utility	Gadsby	UT	3648	3	104.5	Natural Gas Steam Turbine	NG	ST
2032	12	14354	PacifiCorp	Electric Utility	Gadsby	UT	3648	4	39.6	Natural Gas Fired Combustion Turbine	NG	GT
2032	12	14354	PacifiCorp	Electric Utility	Gadsby	UT	3648	5	39.6	Natural Gas Fired Combustion Turbine	NG	GT
2032	12	14354	PacifiCorp	Electric Utility	Gadsby	UT	3648	6	36.9	Natural Gas Fired Combustion Turbine	NG	GT
2032	12	16553	Saguaro Power Co	Electric CHP	Saguaro Power	NV	54271	CTG1	36.0	Natural Gas Fired Combined Cycle	NG	CT
2032	12	16553	Saguaro Power Co	Electric CHP	Saguaro Power	NV	54271	CTG2	36.0	Natural Gas Fired Combined Cycle	NG	CT
2032	12	16553	Saguaro Power Co	Electric CHP	Saguaro Power	NV	54271	STG	29.0	Natural Gas Fired Combined Cycle	NG	CA
2032	12	16572	Salt River Project	Electric Utility	Coronado	AZ	6177	CO1	380.0	Conventional Steam Coal	SUB	ST
2032	12	16572	Salt River Project	Electric Utility	Coronado	AZ	6177	CO2	382.0	Conventional Steam Coal	SUB	ST
2032	12	24211	Tucson Electric Power Co	Electric Utility	Springerville	AZ	8223	2	406.0	Conventional Steam Coal	SUB	ST
2033	6	11241	Entergy Louisiana LLC	Electric Utility	Nine Mile Point	LA	1403	5	721.5	Natural Gas Steam Turbine	NG	ST
2033	12	5701	El Paso Electric Co	Electric Utility	Rio Grande	NM	2444	8	139.0	Natural Gas Steam Turbine	NG	ST
2033	12	17543	South Carolina Public Service Authority	Electric Utility	Hilton Head	SC	3318	1	16.0	Petroleum Liquids	DFO	GT
2033	12	17543	South Carolina Public Service Authority	Electric Utility	Hilton Head	SC	3318	2	16.0	Petroleum Liquids	DFO	GT
2033	12	17543	South Carolina Public Service Authority	Electric Utility	Hilton Head	SC	3318	3	52.0	Petroleum Liquids	DFO	GT
2033	12	17543	South Carolina Public Service Authority	Electric Utility	Myrtle Beach	SC	3320	1	8.0	Petroleum Liquids	DFO	GT
2033	12	17543	South Carolina Public Service Authority	Electric Utility	Myrtle Beach	SC	3320	2	8.0	Petroleum Liquids	DFO	GT
2033	12	17543	South Carolina Public Service Authority	Electric Utility	Myrtle Beach	SC	3320	3	19.0	Petroleum Liquids	DFO	GT
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

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
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	249.7	Natural Gas Steam Turbine	NG	ST
2034	12	5416	Duke Energy Carolinas, LLC	Electric Utility	Marshall (NC)	NC	2727	1	370.0	Natural Gas Steam Turbine	NG	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	7	59711	Bakersfield 111 LLC	IPP	Bakersfield 111	CA	59948	BF111	1.4	Solar Photovoltaic	SUN	PV
2035	7	56742	Notus Clean Energy LLC	IPP	Notus Wind 1	MA	57414	1	1.7	Onshore Wind Turbine	WND	WT
2035	12	20169	Avista Corp	Electric Utility	Northeast (WA)	WA	6210	1	45.0	Natural Gas Fired Combustion Turbine	NG	GT
2035	12	59474	BQ Energy LLC	IPP	Mount Kisco Landfill Solar & Storage CSG	NY	63774	KISCB	0.5	Batteries	MWH	BA
2035	12	5860	Empire District Electric Co	Electric Utility	Empire Energy Center	MO	6223	1	80.0	Natural Gas Fired Combustion Turbine	NG	GT
2035	12	5860	Empire District Electric Co	Electric Utility	Empire Energy Center	MO	6223	2	82.0	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
2038	12	17718	Southwestern Public Service Co	Electric Utility	Harrington	TX	6193	2	339.0	Conventional Steam Coal	SUB	ST
2039	10	65384	Cartier Energy, LLC	Commercial	HSCo CHP	CT	57179	1	3.5	Natural Gas Fired Combustion Turbine	NG	GT
2039	12	14354	PacifiCorp	Electric Utility	Wyodak	WY	6101	1	332.0	Conventional Steam Coal	SUB	ST
2040	7	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	PV1	0.1	Solar Photovoltaic	SUN	PV
2040	7	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	PV2	0.1	Solar Photovoltaic	SUN	PV
2040	7	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	PV3	0.1	Solar Photovoltaic	SUN	PV
2040	7	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	PV4	0.1	Solar Photovoltaic	SUN	PV
2040	7	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	PV5	0.1	Solar Photovoltaic	SUN	PV
2040	7	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	PV6	0.1	Solar Photovoltaic	SUN	PV
2040	7	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	PV7	0.1	Solar Photovoltaic	SUN	PV
2040	7	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	PV8	0.1	Solar Photovoltaic	SUN	PV
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
2042	6	63723	Ignacio Grid, LLC	IPP	Ignacio Grid Energy Storage System	TX	64089	IGN01	100.0	Batteries	MWH	BA
2042	6	63451	Madero Grid, LLC	IPP	Madero Grid	TX	63757	MAD01	100.0	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
2043	12	14354	PacifiCorp	Electric Utility	Chehalis Generating Facility	WA	55662	CA	157.0	Natural Gas Fired Combined Cycle	NG	CA
2043	12	14354	PacifiCorp	Electric Utility	Chehalis Generating Facility	WA	55662	CT1	160.0	Natural Gas Fired Combined Cycle	NG	CT
2043	12	14354	PacifiCorp	Electric Utility	Chehalis Generating Facility	WA	55662	CT2	160.0	Natural Gas Fired Combined Cycle	NG	CT
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
2052	1	64390	Brighter Future Solar LLC	IPP	Brighter Future Solar	NC	64910	BFSNC	11.0	Solar Photovoltaic	SUN	PV
2056	11	64170	Camden Solar LLC	IPP	Camden Solar LLC	NC	64535	KOV4A	20.0	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
2057	4	64393	Tulare Solar Center, LLC	IPP	Luciana	CA	64909	TSC	55.8	Solar Photovoltaic	SUN	PV
2057	12	59474	BQ Energy LLC	IPP	West Valley East	NY	62738	WVE	5.0	Solar Photovoltaic	SUN	PV

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2057	12	59474	BQ Energy LLC	IPP	West Valley West	NY	62737	WVW	5.0	Solar Photovoltaic	SUN	PV
2058	12	13781	Northern States Power Co - Minnesota	Electric Utility	Black Dog	MN	1904	6-1	212.0	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
2061	1	63631	Capital V LLC	IPP	Hertford Solar Power, LLC	NC	63024	KEH	10.0	Solar Photovoltaic	SUN	PV
2063	12	62836	Navisun LLC	IPP	Acushnet MA 1	MA	64706	ACNT1	1.0	Solar Photovoltaic	SUN	PV
2064	12	13781	Northern States Power Co - Minnesota	Electric Utility	Saxon Falls	WI	1756	1	0.5	Conventional Hydroelectric	WAT	HY
2064	12	13781	Northern States Power Co - Minnesota	Electric Utility	Saxon Falls	WI	1756	2	0.5	Conventional Hydroelectric	WAT	HY
2064	12	13781	Northern States Power Co - Minnesota	Electric Utility	Superior Falls	MI	1757	1	0.5	Conventional Hydroelectric	WAT	HY
2064	12	13781	Northern States Power Co - Minnesota	Electric Utility	Superior Falls	MI	1757	2	0.5	Conventional Hydroelectric	WAT	HY
2072	8	10875	Lee County Board-Commissioners	IPP	Lee County Solid Waste Energy	FL	52010	GEN2	16.0	Municipal Solid Waste	MSW	ST

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

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

Year/Month	Coal		Natural Gas								Petroleum					
			Combined Cycle		Gas Turbine		Steam Turbine		Internal Combustion		Steam Turbine		Gas Turbine		Internal Combustion	
	Time Adjusted Capacity (MW)	Capacity Factor	Time Adjusted Capacity (MW)	Capacity Factor	Time Adjusted Capacity (MW)	Capacity Factor	Time Adjusted Capacity (MW)	Capacity Factor	Time Adjusted Capacity (MW)	Capacity Factor	Time Adjusted Capacity (MW)	Capacity Factor	Time Adjusted Capacity (MW)	Capacity Factor	Time Adjusted Capacity (MW)	Capacity Factor
Annual Data																
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	55.1%	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	57.4%	128,832.5	11.4%	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	57.1%	129,085.6	11.6%	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	212,587.0	49.1%	277,618.5	55.0%	130,103.4	11.7%	74,003.4	12.5%	5,171.8	18.2%	8,385.5	14.2%	13,729.8	1.6%	5,522.7	1.8%
2022	196,396.3	48.4%	286,467.1	56.6%	130,170.6	12.9%	77,518.8	15.6%	5,526.9	18.1%	9,839.0	13.2%	15,005.7	1.6%	5,407.0	1.8%
2023	183,856.3	42.1%	292,741.1	58.8%	131,118.7	14.1%	76,591.4	17.1%	5,637.3	20.9%	8,430.0	11.2%	14,402.3	1.9%	5,401.3	2.1%
Year 2022																
January	202,043.3	57.4%	284,236.2	55.6%	129,881.8	11.3%	78,088.0	14.8%	5,454.3	16.0%	9,839.0	19.6%	15,279.8	1.4%	5,401.4	2.2%
February	202,013.8	52.2%	284,236.2	52.4%	129,967.8	9.6%	78,088.0	11.7%	5,454.3	14.8%	9,839.0	15.3%	15,279.8	0.9%	5,402.0	1.8%
March	200,821.8	41.0%	284,247.2	46.6%	130,009.3	8.3%	77,514.0	8.5%	5,484.9	13.6%	9,839.0	9.8%	15,245.8	1.0%	5,392.6	1.7%
April	200,376.8	38.5%	284,450.3	44.2%	130,070.8	9.6%	77,514.0	9.6%	5,486.4	13.5%	9,839.0	10.1%	15,119.1	0.9%	5,395.3	1.7%
May	198,851.8	42.1%	283,899.1	49.6%	130,070.8	12.5%	77,514.0	14.6%	5,544.4	14.7%	9,839.0	12.0%	15,119.1	1.4%	5,399.7	1.8%
June	195,863.8	52.5%	286,389.0	61.2%	130,127.6	16.9%	77,510.0	20.2%	5,546.0	18.8%	9,839.0	12.2%	14,947.1	1.8%	5,407.0	1.9%
July	195,881.8	59.6%	287,485.0	70.5%	130,274.1	20.2%	77,510.0	28.1%	5,549.7	23.0%	9,839.0	10.3%	14,947.1	2.5%	5,410.4	1.7%
August	194,856.8	59.2%	288,566.5	72.4%	130,035.1	18.6%	77,379.0	22.4%	5,563.9	25.1%	9,839.0	11.8%	14,947.1	2.2%	5,410.7	1.7%
Sept	192,425.8	47.3%	288,493.5	63.9%	130,259.8	13.9%	77,374.0	16.3%	5,559.0	21.7%	9,839.0	13.1%	14,858.1	1.7%	5,409.2	1.8%
October	192,425.8	38.7%	288,458.5	53.0%	130,348.7	10.3%	77,374.0	13.3%	5,558.0	17.9%	9,839.0	12.3%	14,817.2	1.4%	5,413.1	1.8%
November	192,271.3	40.9%	288,485.6	52.0%	130,380.6	11.3%	77,379.8	13.7%	5,555.9	17.9%	9,839.0	13.6%	14,789.6	1.0%	5,420.9	1.6%
December	189,316.3	51.4%	288,504.6	56.8%	130,606.5	12.5%	77,026.8	14.1%	5,560.7	19.3%	9,839.0	18.2%	14,735.6	2.8%	5,421.2	2.2%
Year 2023																
January	186,891.9	44.3%	288,850.7	56.8%	131,147.9	9.3%	77,794.4	9.9%	5,581.3	17.2%	8,430.0	9.9%	14,223.6	1.0%	5,401.4	1.8%
February	186,881.3	37.1%	289,082.7	56.6%	131,147.9	8.9%	77,794.4	10.0%	5,583.9	16.7%	8,430.0	11.6%	14,223.6	0.9%	5,399.4	1.4%
March	186,881.3	35.9%	290,371.7	52.8%	130,957.7	10.4%	77,708.4	11.5%	5,585.4	19.1%	8,430.0	10.1%	14,223.6	1.1%	5,398.8	2.1%
April	186,881.3	30.4%	290,932.7	47.4%	130,957.7	12.2%	77,708.4	13.4%	5,586.9	17.5%	8,430.0	9.3%	14,223.6	1.7%	5,398.8	2.4%
May	185,392.9	32.4%	292,840.3	52.2%	130,438.2	13.7%	76,918.4	15.5%	5,583.8	17.5%	8,430.0	8.2%	14,619.5	2.0%	5,398.3	2.3%
June	183,239.7	44.1%	292,928.0	62.7%	130,652.7	17.0%	76,604.4	21.0%	5,583.8	22.8%	8,430.0	11.3%	14,471.1	2.3%	5,385.1	2.5%
July	182,590.8	58.0%	294,152.4	72.5%	130,816.5	23.2%	76,604.4	30.6%	5,583.8	30.1%	8,430.0	16.3%	14,471.1	3.2%	5,398.9	2.4%
August	181,977.5	57.7%	294,152.4	72.8%	131,479.5	22.5%	76,604.4	29.6%	5,715.4	30.4%	8,430.0	15.2%	14,471.1	3.5%	5,398.1	2.5%
Sept	181,977.5	46.1%	294,152.4	64.9%	131,479.5	15.2%	75,568.4	21.6%	5,709.5	22.6%	8,430.0	16.4%	14,471.1	2.0%	5,407.2	1.8%
October	181,492.5	38.3%	294,811.3	52.6%	131,466.5	14.2%	75,568.4	16.4%	5,709.5	20.2%	8,430.0	10.2%	14,471.1	2.1%	5,407.2	2.1%
November	181,492.5	39.4%	294,811.3	54.0%	131,462.5	12.3%	75,568.4	14.2%	5,709.5	18.9%	8,430.0	8.4%	14,471.1	1.2%	5,407.2	2.3%
December	180,810.5	41.7%	295,513.1	59.1%	131,423.5	9.9%	74,741.4	10.8%	5,710.4	17.1%	8,430.0	8.1%	14,471.1	1.3%	5,415.3	1.5%
Year 2024																
January	178,304.4	56.4%	295,113.0	62.7%	131,399.5	14.1%	75,710.6	16.6%	5,817.7	21.1%	8,423.7	10.5%	14,482.6	2.4%	5,416.9	1.8%
February	177,943.3	35.8%	293,365.4	56.1%	131,431.3	10.3%	75,757.0	11.1%	5,847.3	17.5%	8,728.7	8.0%	14,480.6	1.3%	5,429.2	1.9%
March	177,677.8	29.3%	295,014.7	50.4%	131,824.0	11.2%	75,320.8	13.5%	5,849.7	18.0%	8,728.7	7.1%	14,474.3	1.2%	5,425.4	2.1%

Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary.
Time adjusted capacity for month rows is the summer capacity of generators in operation for the entire month; units that began operation during the month or that retired during the month are excluded. Time adjusted capacity for year rows is a time weighted average of the month rows.
Capacity factors are a comparison of net generation with available capacity. See the technical note for an explanation of how capacity factors are calculated.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Table 6.07.B. Capacity Factors for Utility Scale Generators Primarily Using Non-Fossil Fuels

Year/Month	Geothermal		Hydroelectric		Nuclear		Other Biomass		Other Gas		Solar				Wind		Wood	
											Photovoltaic		Thermal					
	Time Adjusted Capacity (MW)	Capacity Factor	Time Adjusted Capacity (MW)	Capacity Factor	Time Adjusted Capacity (MW)	Capacity Factor	Time Adjusted Capacity (MW)	Capacity Factor	Time Adjusted Capacity (MW)	Capacity Factor	Time Adjusted Capacity (MW)	Capacity Factor	Time Adjusted Capacity (MW)	Capacity Factor	Time Adjusted Capacity (MW)	Capacity Factor	Time Adjusted Capacity (MW)	Capacity Factor
Annual Data																		
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	69.8%	79,878.4	36.0%	95,802.7	92.8%	4,490.4	63.2%	1,902.5	60.9%	51,219.7	24.4%	1,629.0	20.5%	123,757.1	34.4%	7,959.0	59.9%
2022	2,616.0	69.0%	80,054.5	36.3%	94,969.9	92.7%	4,402.5	60.2%	1,716.0	61.6%	64,501.0	24.4%	1,480.0	23.1%	136,669.4	35.9%	7,817.6	57.9%
2023	2,665.4	70.0%	80,086.9	34.2%	95,099.0	93.1%	4,297.3	59.6%	1,721.1	61.7%	77,167.2	23.3%	1,480.0	22.2%	144,018.9	33.5%	7,781.8	52.8%
Year 2022																		
January	2,592.8	75.1%	80,036.5	40.6%	95,406.4	99.4%	4,460.5	60.7%	1,664.2	64.2%	60,335.2	16.8%	1,480.0	11.3%	132,415.6	37.5%	7,829.0	60.8%
February	2,592.8	70.3%	80,040.6	39.6%	95,406.4	96.5%	4,459.1	60.6%	1,664.2	62.8%	61,350.2	21.2%	1,480.0	15.9%	133,711.4	41.6%	7,829.0	62.6%
March	2,592.8	65.7%	80,050.6	41.0%	95,406.4	89.0%	4,444.5	59.8%	1,664.2	63.4%	61,673.4	24.4%	1,480.0	23.1%	133,969.5	42.7%	7,829.0	57.4%
April	2,592.8	67.1%	80,054.7	34.8%	95,406.4	80.5%	4,437.0	60.0%	1,733.5	56.2%	62,666.8	28.5%	1,480.0	30.1%	135,080.4	46.6%	7,829.0	54.9%
May	2,609.8	67.4%	80,054.7	39.2%	95,427.4	89.3%	4,434.2	59.2%	1,733.5	59.9%	63,122.2	30.9%	1,480.0	33.5%	137,384.2	41.1%	7,811.3	55.4%
June	2,609.8	67.0%	80,057.2	45.1%	94,658.9	96.4%	4,434.2	61.7%	1,733.5	63.6%	63,890.6	33.2%	1,480.0	34.9%	137,594.2	33.9%	7,805.5	59.5%
July	2,609.8	67.1%	80,057.2	41.2%	94,658.9	97.8%	4,374.4	61.7%	1,733.5	63.7%	65,118.6	31.2%	1,480.0	26.2%	137,993.8	28.6%	7,805.5	61.5%
August	2,639.4	67.9%	80,057.2	35.5%	94,658.9	97.8%	4,378.3	60.7%	1,733.5	59.5%	65,707.2	28.4%	1,480.0	25.3%	137,999.4	24.0%	7,817.5	60.3%
Sept	2,661.3	68.6%	80,058.7	29.5%	94,658.9	93.5%	4,369.7	59.5%	1,733.5	61.6%	66,419.3	26.5%	1,480.0	26.7%	138,005.0	27.3%	7,817.5	56.4%
October	2,620.5	65.3%	80,059.2	24.1%	94,658.9	83.7%	4,366.5	59.2%	1,733.5	59.5%	67,201.8	22.9%	1,480.0	26.4%	138,005.0	31.6%	7,817.5	50.9%
November	2,620.5	72.6%	80,059.2	31.0%	94,658.9	91.0%	4,354.3	59.6%	1,733.5	63.2%	67,739.4	16.5%	1,480.0	14.1%	138,025.0	40.8%	7,817.5	56.7%
December	2,648.6	74.1%	80,067.7	34.3%	94,658.9	98.1%	4,322.3	60.1%	1,728.2	62.3%	68,569.5	12.5%	1,480.0	9.0%	139,628.0	36.8%	7,804.5	58.8%
Year 2023																		
January	2,648.6	78.4%	80,074.5	37.4%	94,632.0	100.7%	4,325.7	61.7%	1,728.2	64.4%	71,296.2	14.6%	1,480.0	7.7%	141,467.7	37.1%	7,804.5	59.3%
February	2,648.6	72.6%	80,092.5	34.7%	94,632.0	95.6%	4,295.7	60.3%	1,728.2	67.6%	72,707.2	18.3%	1,480.0	11.0%	142,116.8	43.9%	7,804.5	57.5%
March	2,648.6	69.4%	80,092.5	33.9%	94,632.0	89.2%	4,295.7	58.6%	1,698.2	60.9%	73,256.7	21.5%	1,480.0	14.0%	142,832.2	41.4%	7,831.3	51.6%
April	2,648.6	69.6%	80,111.5	30.3%	94,632.0	83.2%	4,295.7	54.5%	1,698.2	46.1%	73,878.7	26.6%	1,480.0	27.9%	143,246.0	41.5%	7,831.3	47.6%
May	2,673.6	68.5%	80,082.5	46.0%	94,632.0	87.3%	4,295.7	59.9%	1,725.1	54.4%	74,759.1	29.2%	1,480.0	27.5%	143,912.8	29.8%	7,786.3	54.1%
June	2,673.6	65.7%	80,084.9	33.8%	94,632.0	95.3%	4,295.7	60.7%	1,725.1	55.6%	75,828.1	30.8%	1,480.0	34.6%	144,684.0	26.3%	7,778.8	53.9%
July	2,673.6	65.2%	80,084.9	35.6%	94,632.0	99.1%	4,297.0	60.7%	1,725.1	63.4%	77,427.1	31.1%	1,480.0	35.0%	144,684.0	25.9%	7,778.8	54.6%
August	2,673.6	67.1%	80,084.9	35.4%	95,746.0	97.9%	4,297.0	59.9%	1,725.1	71.5%	79,450.9	29.0%	1,480.0	28.4%	144,684.0	26.4%	7,778.8	56.3%
Sept	2,673.6	69.8%	80,082.1	28.6%	95,746.0	95.1%	4,297.0	57.1%	1,725.1	61.0%	80,057.5	25.7%	1,480.0	27.7%	144,700.0	27.0%	7,778.8	50.3%
October	2,673.6	70.7%	80,080.0	30.3%	95,746.0	86.2%	4,288.8	58.6%	1,725.1	59.7%	81,004.9	22.1%	1,480.0	26.2%	144,787.6	33.6%	7,778.8	43.3%
November	2,673.6	72.8%	80,084.6	31.4%	95,746.0	90.3%	4,290.4	60.5%	1,725.1	69.2%	82,539.6	16.6%	1,480.0	15.7%	145,498.3	35.3%	7,715.6	53.0%
December	2,673.6	70.5%	80,088.7	32.4%	95,746.0	96.7%	4,292.6	63.0%	1,725.1	66.6%	83,486.5	13.7%	1,480.0	9.9%	145,495.3	34.9%	7,715.6	52.7%
Year 2024																		
January	2,742.6	66.5%	79,837.3	35.7%	95,723.1	97.1%	4,269.9	59.2%	1,746.3	67.9%	90,725.7	13.7%	1,480.0	7.3%	147,768.9	31.6%	7,603.8	58.0%
February	2,742.6	65.9%	79,982.9	35.2%	95,723.1	96.9%	4,254.3	57.5%	1,746.3	55.5%	93,474.7	18.7%	1,480.0	11.7%	148,608.6	40.1%	7,568.0	53.9%
March	2,742.6	60.2%	80,000.8	38.5%	95,723.1	88.9%	4,244.1	54.3%	1,748.1	48.9%	94,093.0	21.7%	1,481.1	20.4%	148,782.5	41.4%	7,535.8	52.0%

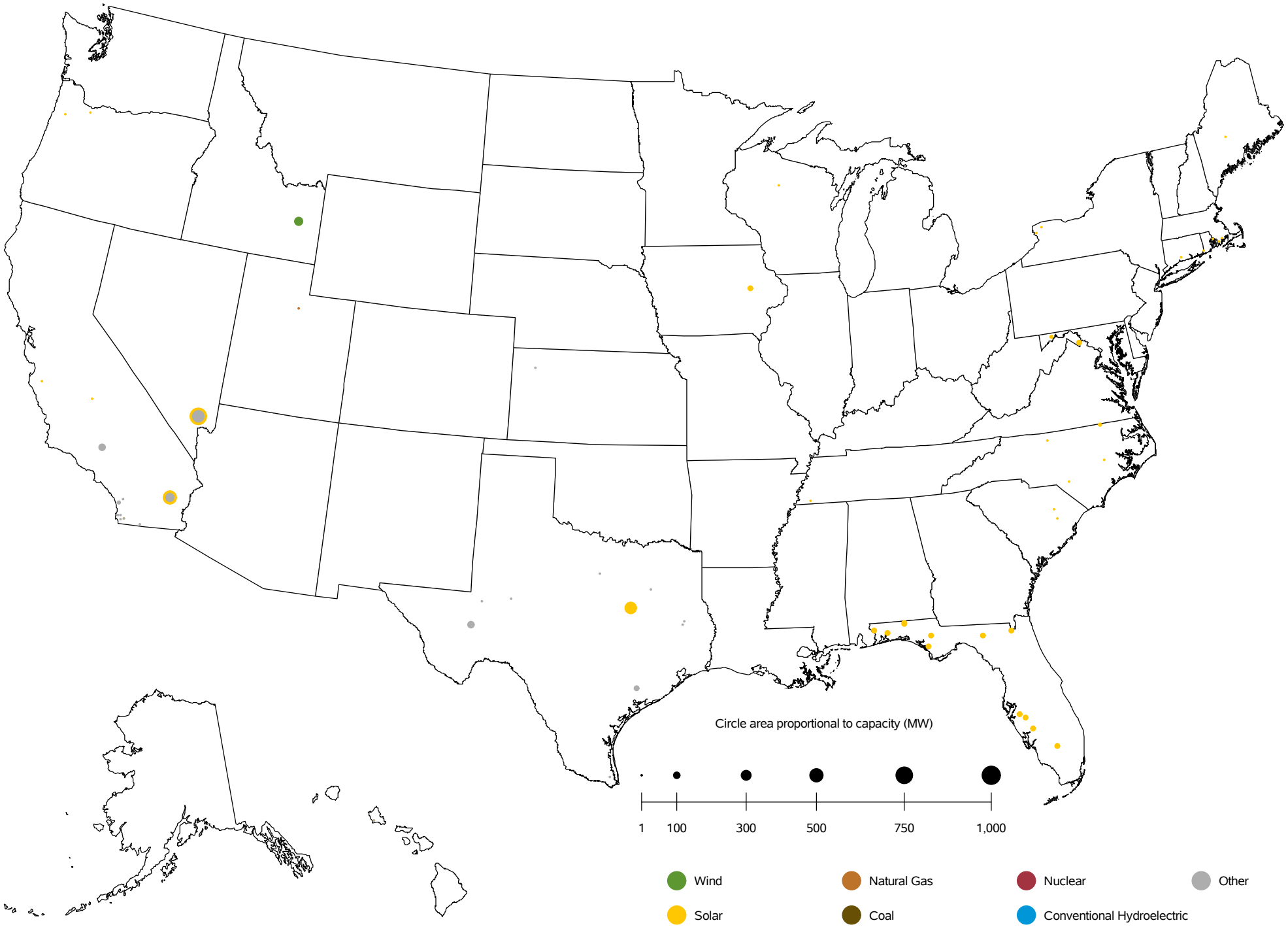
Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary.
Time adjusted capacity for month rows is the summer capacity of generators in operation for the entire month; units that began operation during the month or that retired during the month are excluded. Time adjusted capacity 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 (MW)	Usage Factor	Time Adjusted Capacity (MW)	Usage Factor
Annual Data				
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	2,627.6	6.1%	23,007.7	10.2%
2022	6,566.1	6.4%	23,033.9	11.1%
2023	11,165.8	5.7%	23,151.2	11.0%
Year 2022				
January	4,926.4	5.5%	23,013.4	9.5%
February	4,996.7	6.6%	23,013.4	8.9%
March	5,069.2	5.7%	23,013.4	9.1%
April	5,316.2	6.0%	23,013.4	7.3%
May	6,055.5	6.4%	23,043.9	10.9%
June	6,064.5	7.1%	23,043.9	14.8%
July	6,555.2	6.9%	23,043.9	15.9%
August	6,941.6	6.6%	23,043.9	16.4%
Sept	7,469.9	6.1%	23,043.9	13.2%
October	7,958.4	6.7%	23,043.9	8.4%
November	8,630.7	6.7%	23,043.9	9.2%
December	8,696.4	6.5%	23,043.9	9.6%
Year 2023				
January	9,104.9	5.6%	23,076.9	9.2%
February	9,171.2	5.2%	23,076.9	9.6%
March	9,253.2	5.9%	23,156.9	9.2%
April	9,521.3	5.7%	23,166.5	8.8%
May	9,690.3	5.2%	23,166.5	11.0%
June	9,833.9	5.1%	23,166.5	13.8%
July	10,894.7	5.5%	23,166.5	15.8%
August	12,384.7	5.7%	23,166.5	15.6%
Sept	12,867.0	5.5%	23,166.5	13.3%
October	13,440.5	6.3%	23,166.5	8.7%
November	13,621.4	6.0%	23,166.5	8.3%
December	14,051.5	5.7%	23,166.5	8.1%
Year 2024				
January	15,733.1	5.3%	23,139.0	9.5%
February	15,909.5	6.3%	23,139.0	9.7%
March	15,791.5	6.9%	23,219.0	7.4%

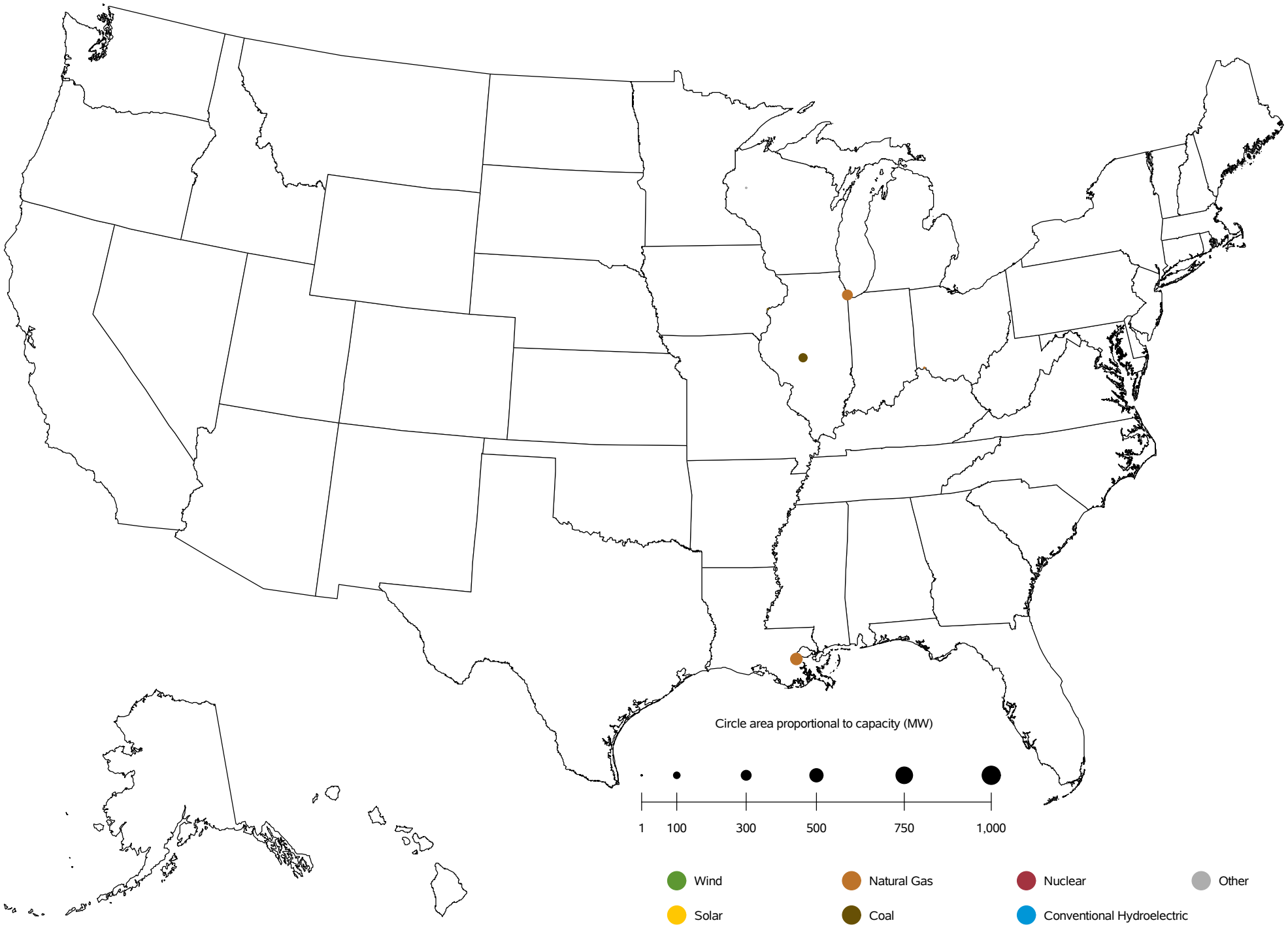
Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary.
Time adjusted capacity for month rows is the summer capacity of generators in operation for the entire month; units that began operation during the month or that retired during the month are excluded. Time adjusted capacity 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 March 2024



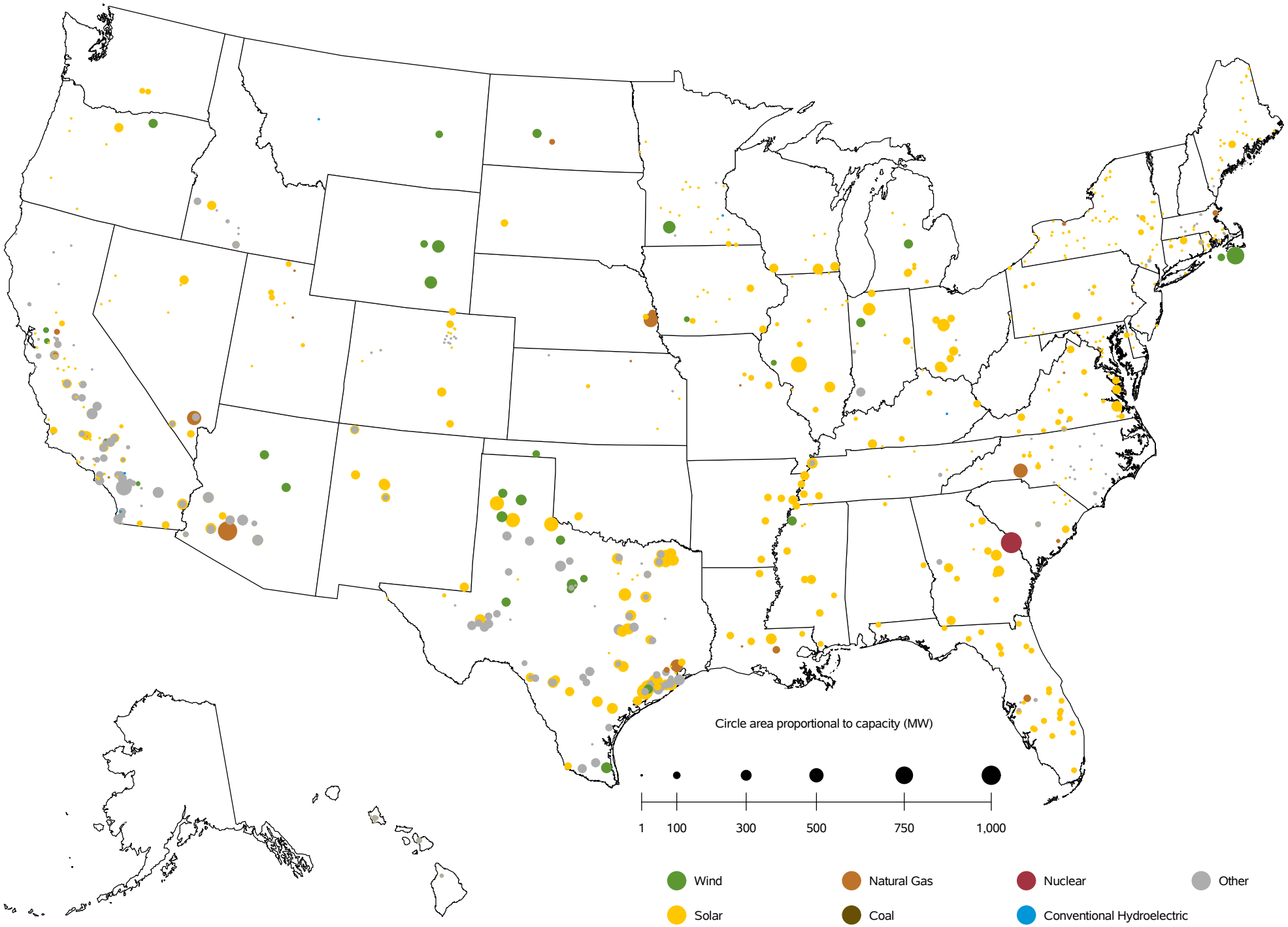
Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.B. Utility-Scale Generating Units Retired in March 2024



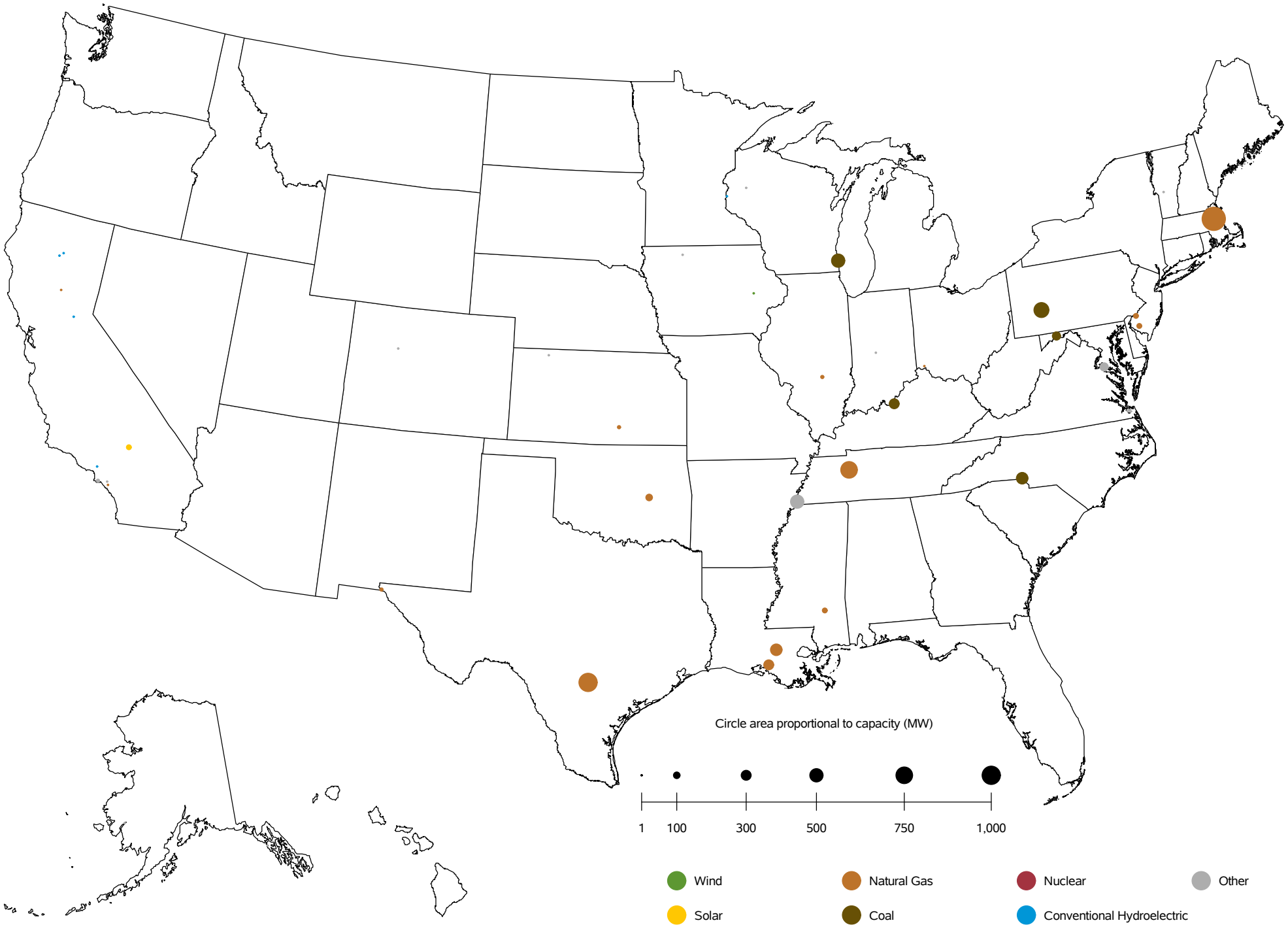
Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.C. Utility-Scale Generating Units Planned to Come Online from April 2024 to March 2025



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

Figure 6.1.D. Utility-Scale Generating Units Planned to Retire from April 2024 to March 2025



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

Chapter 7

Imports and Exports

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

	Canada		Mexico		U.S. Total		
Period	Imports from	Exports to	Imports from	Exports to	Imports	Exports	Net Imports
Annual Totals							
2016	65,173,818	2,682,381	7,542,445	3,531,636	72,716,263	6,214,017	66,502,246
2017	59,909,320	3,312,798	5,775,597	6,058,005	65,684,917	9,370,803	56,314,114
2018	51,494,627	7,290,070	6,765,975	6,514,422	58,260,602	13,804,492	44,456,110
2019	52,309,254	13,532,067	6,743,207	6,475,965	59,052,461	20,008,032	39,044,429
2020	57,001,240	9,855,106	4,447,623	4,279,573	61,448,863	14,134,679	47,314,184
2021	48,140,438	10,067,396	5,026,570	3,788,021	53,167,008	13,855,418	39,311,591
2022	52,187,403	10,651,209	4,782,900	5,107,113	56,970,303	15,758,322	41,211,981
2023	33,152,646	18,091,647	5,721,644	1,778,279	38,874,290	19,869,926	19,004,364
Year 2022							
January	4,042,047	1,308,758	425,753	161,512	4,467,800	1,470,270	2,997,530
February	3,215,153	1,171,627	144,626	367,552	3,359,779	1,539,179	1,820,600
March	3,388,199	1,207,760	293,001	477,405	3,681,200	1,685,165	1,996,035
April	3,552,599	934,026	317,755	440,121	3,870,354	1,374,147	2,496,207
May	4,010,343	1,025,038	364,183	582,820	4,374,526	1,607,858	2,766,668
June	5,123,334	641,211	391,371	489,104	5,514,705	1,130,315	4,384,390
July	6,295,212	766,185	443,070	507,701	6,738,282	1,273,886	5,464,396
August	6,810,768	765,145	418,236	550,822	7,229,004	1,315,967	5,913,037
Sept	4,683,783	867,176	504,443	483,658	5,188,226	1,350,834	3,837,392
October	3,740,536	838,388	399,055	413,166	4,139,591	1,251,554	2,888,037
November	3,067,640	562,777	466,374	344,579	3,534,014	907,356	2,626,658
December	4,257,789	563,118	615,033	288,673	4,872,822	851,791	4,021,031
Year 2023							
January	4,080,305	769,353	393,029	403,105	4,473,334	1,172,458	3,300,876
February	3,100,194	1,362,099	410,963	188,332	3,511,157	1,550,431	1,960,726
March	3,458,995	1,241,647	419,500	59,250	3,878,495	1,300,897	2,577,598
April	3,423,252	1,544,551	163,079	128,981	3,586,331	1,673,532	1,912,799
May	3,606,207	1,099,609	297,511	179,615	3,903,718	1,279,224	2,624,494
June	2,616,523	1,236,416	449,132	139,691	3,065,655	1,376,107	1,689,548
July	2,588,006	1,808,004	628,915	155,251	3,216,921	1,963,255	1,253,666
August	2,365,281	1,453,099	635,633	153,225	3,000,914	1,606,324	1,394,590
Sept	1,773,886	2,107,530	581,900	142,050	2,355,786	2,249,580	106,206
October	1,578,196	1,877,439	632,526	128,399	2,210,722	2,005,838	204,884
November	1,928,906	1,772,906	540,292	56,060	2,469,198	1,828,966	640,232
December	2,632,895	1,818,994	569,164	44,320	3,202,059	1,863,314	1,338,745
Year 2024							
January	2,962,963	1,650,615	650,173	225,723	3,613,136	1,876,338	1,736,798
February	2,074,024	2,221,825	464,965	156,777	2,538,989	2,378,602	160,387
March	1,677,169	2,419,779	529,864	135,813	2,207,033	2,555,592	-348,559

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, 2014 - March 2024 (Thousand Megawatthours)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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
2021	7,119	7,485	1,853	0	16,457
2022	6,723	7,511	1,768	0	16,003
Year 2022					
January	529	573	163	0	1,265
February	448	579	141	0	1,167
March	504	569	147	0	1,220
April	509	553	129	0	1,191
May	559	724	178	0	1,461
June	691	696	137	0	1,525
July	677	707	160	0	1,545
August	642	645	159	0	1,445
Sept	614	676	144	0	1,435
October	426	526	116	0	1,068
November	587	625	150	0	1,362
December	536	638	144	0	1,318
Year 2023					
January	476	585	126	0	1,188
February	429	547	124	0	1,100
March	497	606	143	0	1,246
April	523	621	143	0	1,287
May	631	689	126	0	1,445
June	696	697	146	0	1,539
July	766	721	146	0	1,633
August	743	722	163	0	1,628
Sept	725	746	146	0	1,618
October	742	768	149	0	1,659
November	599	687	133	0	1,420
December	546	684	138	0	1,368
Year 2024					
January	492	633	108	0	1,233
February	475	613	132	0	1,220
March	616	699	132	0	1,446
Year to Date					
2022	1,481	1,721	451	0	3,653
2023	1,402	1,738	393	0	3,533
2024	1,583	1,944	373	0	3,900
Rolling 12 Months Ending in March					
2023	6,645	7,529	1,710	0	15,884
2024	7,553	8,280	1,664	0	17,497

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, 2014 - March 2024 (Million Dollars)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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
2021	1,506	1,800	380	0	3,686
2022	1,902	2,335	505	0	4,742
Year 2022					
January	136	154	40	0	331
February	116	168	36	0	321
March	139	188	41	0	368
April	136	182	35	0	353
May	151	226	48	0	425
June	190	204	40	0	435
July	237	238	57	0	532
August	191	212	48	0	452
Sept	170	203	41	0	414
October	140	195	40	0	375
November	157	187	41	0	385
December	138	175	38	0	351
Year 2023					
January	108	147	29	0	283
February	101	144	30	0	275
March	124	167	37	0	328
April	128	167	36	0	332
May	152	187	31	0	371
June	154	145	32	0	331
July	184	198	39	0	421
August	174	180	37	0	390
Sept	143	158	28	0	329
October	178	194	37	0	409
November	128	151	27	0	306
December	103	138	26	0	268
Year 2024					
January	104	143	24	0	271
February	105	149	30	0	284
March	139	171	31	0	340
Year to Date					
2022	391	511	118	0	1,019
2023	332	459	96	0	887
2024	348	463	84	0	896
Rolling 12 Months Ending in March					
2023	1,843	2,283	483	0	4,609
2024	1,693	1,981	379	0	4,053

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, 2014 - March 2024

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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
2021	1,358,513	126,159	591	0	1,485,263
2022	1,370,811	127,741	589	0	1,499,141
Year 2022					
January	1,366,102	127,193	590	0	1,493,885
February	1,365,877	127,084	590	0	1,493,551
March	1,366,362	127,176	589	0	1,494,127
April	1,368,406	127,392	587	0	1,496,385
May	1,369,833	127,589	585	0	1,498,007
June	1,372,587	127,921	588	0	1,501,096
July	1,372,079	127,976	588	0	1,500,643
August	1,372,668	127,954	589	0	1,501,211
Sept	1,373,141	128,077	590	0	1,501,808
October	1,374,149	128,107	590	0	1,502,846
November	1,374,192	128,189	589	0	1,502,970
December	1,374,331	128,237	590	0	1,503,158
Year 2023					
January	1,374,717	128,300	589	0	1,503,606
February	1,375,176	128,310	588	0	1,504,074
March	1,376,298	128,038	580	0	1,504,916
April	1,377,070	127,609	580	0	1,505,259
May	1,378,115	127,666	579	0	1,506,360
June	1,379,369	127,596	580	0	1,507,545
July	1,380,020	127,635	581	0	1,508,236
August	1,380,809	127,610	580	0	1,508,999
Sept	1,381,572	127,764	581	0	1,509,917
October	1,382,416	127,594	582	0	1,510,592
November	1,383,057	127,671	583	0	1,511,311
December	1,383,477	127,688	585	0	1,511,750
Year 2024					
January	1,383,097	127,623	585	0	1,511,305
February	1,381,935	127,432	585	0	1,509,952
March	1,382,392	127,463	585	0	1,510,440
Rolling 12 Months Ending in March					
2023	1,373,131	128,008	588	0	1,501,727
2024	1,381,111	127,613	582	0	1,509,306

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, 2014 - March 2024 (Cents per Kilowatthour)

Period	Residential	Commercial	Industrial	Transportation	All Sectors
Annual Totals					
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
2021	21.16	24.05	20.52	--	22.40
2022	28.29	31.09	28.56	--	29.63
Year 2022					
January	25.72	26.92	24.76	--	26.14
February	25.92	29.12	25.69	--	27.48
March	27.49	33.05	27.86	--	30.13
April	26.69	33.02	27.10	--	29.67
May	27.03	31.19	26.87	--	29.07
June	27.50	29.36	29.29	--	28.51
July	35.05	33.68	35.35	--	34.46
August	29.76	32.94	30.46	--	31.26
Sept	27.71	30.02	28.30	--	28.85
October	32.92	37.07	34.49	--	35.14
November	26.75	29.96	27.11	--	28.26
December	25.75	27.49	26.46	--	26.67
Year 2023					
January	22.58	25.12	22.80	--	23.86
February	23.60	26.38	23.90	--	25.01
March	24.84	27.63	26.16	--	26.35
April	24.45	26.98	25.39	--	25.77
May	24.17	27.22	24.95	--	25.69
June	22.12	20.83	21.97	--	21.52
July	24.06	27.44	26.60	--	25.78
August	23.39	24.93	22.46	--	23.98
Sept	19.68	21.17	19.44	--	20.35
October	24.02	25.22	25.00	--	24.66
November	21.44	21.93	20.19	--	21.56
December	18.92	20.17	19.14	--	19.56
Year 2024					
January	21.12	22.66	21.80	--	21.97
February	22.17	24.35	22.49	--	23.30
March	22.59	24.40	23.31	--	23.53
Year to Date					
2022	26.38	29.69	26.06	--	27.90
2023	23.69	26.39	24.37	--	25.10
2024	22.01	23.82	22.58	--	22.97
Rolling 12 Months Ending in March					
2023	27.74	30.32	28.26	--	29.02
2024	22.42	23.93	22.75	--	23.17

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-March 2024

Period	Coal	Hydroelectric Conventional	Natural Gas	Other	Petroleum	Solar	Wind	Total
Annual Totals								
2007	454	107	1,163	0	3,082	0	0	4,806
2008	454	107	1,163	0	3,516	0	0	5,240
2009	454	107	1,163	0	3,639	0	0	5,363
2010	454	107	1,163	0	3,640	0	0	5,364
2011	454	107	1,163	0	3,642	5	0	5,372
2012	454	107	1,163	0	3,643	20	98	5,486
2013	454	107	1,163	0	3,643	23	98	5,489
2014	454	107	1,163	0	3,645	35	99	5,503
2015	454	107	1,163	9	3,649	67	99	5,548
2016	454	107	1,163	33	3,652	142	99	5,650
2017	454	107	1,163	35	3,653	142	76	5,630
2018	454	107	1,349	35	3,656	142	76	5,820
2019	454	107	1,358	35	3,661	146	76	5,838
2020	454	107	1,367	38	3,663	156	76	5,862
2021	454	107	1,377	38	3,665	156	76	5,872
2022	454	107	1,381	40	3,749	156	76	5,963
2023	454	107	1,384	40	3,749	158	76	5,968
Year 2024								
January	454	98	1,384	37	3,749	154	99	5,976
February	454	98	1,384	37	3,749	154	76	5,953
March	454	98	1,384	37	3,749	154	102	5,979

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.'

Table A.1.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Total (All Sectors) by Census Division and State, March 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**32**	**0**	**2**	**0**	**0**	**9**
Connecticut	0	61	0	1	0	0	31
Maine	0	78	0	12	0	0	11
Massachusetts	0	44	0	4	0	0	21
New Hampshire	0	34	0	0	0	0	21
Rhode Island	0	95	0	18	0	0	158
Vermont	0	421	0	0	0	0	17
Middle Atlantic	**21**	**34**	**0**	**1**	**61**	**0**	**3**
New Jersey	0	194	0	3	0	0	0
New York	0	38	0	2	0	0	2
Pennsylvania	21	64	0	1	140	0	13
East North Central	**0**	**15**	**28**	**1**	**22**	**0**	**14**
Illinois	0	45	0	4	0	0	58
Indiana	1	11	0	3	34	0	32
Michigan	0	12	0	2	0	0	28
Ohio	2	37	53	2	57	0	27
Wisconsin	0	24	0	4	0	0	23
West North Central	**1**	**11**	**0**	**7**	**0**	**0**	**10**
Iowa	1	16	0	12	0	0	37
Kansas	0	26	0	15	0	0	0
Minnesota	1	36	0	9	0	0	35
Missouri	0	30	0	17	0	0	17
Nebraska	5	47	0	47	0	0	31
North Dakota	0	4	0	29	0	0	24
South Dakota	0	77	0	33	0	0	15
South Atlantic	**1**	**14**	**38**	**1**	**0**	**0**	**7**
Delaware	0	98	0	15	0	0	0
District of Columbia	0	66,743	0	27	0	0	0
Florida	0	33	0	1	0	0	38
Georgia	0	32	278	4	0	0	12
Maryland	0	24	0	1	0	0	1
North Carolina	0	17	0	3	0	0	10
South Carolina	0	42	0	3	0	0	17
Virginia	0	52	0	2	0	0	20
West Virginia	2	0	0	9	0	0	15
East South Central	**0**	**11**	**0**	**2**	**36**	**0**	**4**
Alabama	0	261	0	3	1,960	0	6
Kentucky	0	33	0	6	0	0	7
Mississippi	0	1	0	2	0	0	0
Tennessee	0	2	0	1	0	0	7
West South Central	**0**	**21**	**0**	**1**	**5**	**0**	**9**
Arkansas	0	25	0	8	0	0	11
Louisiana	0	251	0	2	11	0	19
Oklahoma	0	28	0	4	0	0	15
Texas	0	27	0	2	3	0	27
Mountain	**2**	**8**	**0**	**1**	**10**	**0**	**6**
Arizona	0	9	0	2	0	0	5
Colorado	0	44	0	2	0	0	25
Idaho	296	0	0	13	0	0	12
Montana	7	20	0	30	0	0	11
Nevada	0	0	0	1	0	0	2
New Mexico	0	127	0	4	0	0	69
Utah	0	7	0	3	0	0	36
Wyoming	6	1	0	6	10	0	34
Pacific Contiguous	**0**	**25**	**0**	**2**	**0**	**0**	**2**
California	0	7	0	2	0	0	5
Oregon	0	461	0	4	0	0	3
Washington	0	80	0	6	0	0	1
Pacific Noncontiguous	**27**	**1**	**0**	**24**	**0**	**0**	**24**
Alaska	27	2	0	24	0	0	25
Hawaii	0	1	0	0	0	0	60
U.S. Total	**1**	**2**	**20**	**1**	**7**	**0**	**2**

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

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

Total (All Sectors) by Census Division and State, March 2024 (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**	**4**	**4**	**0**	**0**	**1**
Connecticut	0	0	0	11	7	0	0	0
Maine	0	0	0	11	5	0	0	5
Massachusetts	0	0	0	6	5	0	0	3
New Hampshire	0	0	0	139	20	0	0	3
Rhode Island	0	0	0	11	7	0	0	14
Vermont	0	0	0	16	11	0	0	11
Middle Atlantic	**0**	**0**	**0**	**4**	**2**	**0**	**1**	**1**
New Jersey	0	0	0	7	5	0	0	1
New York	0	0	0	6	3	0	2	1
Pennsylvania	0	0	0	9	4	0	0	1
East North Central	**0**	**0**	**0**	**1**	**1**	**0**	**4**	**1**
Illinois	0	0	0	3	1	0	0	1
Indiana	0	0	0	4	2	0	0	1
Michigan	0	0	0	6	2	0	28	1
Ohio	0	0	0	1	1	0	0	1
Wisconsin	0	0	0	2	2	0	97	2
West North Central	**0**	**0**	**0**	**4**	**1**	**0**	**10**	**1**
Iowa	0	0	0	5	1	0	0	1
Kansas	0	0	0	26	1	0	0	2
Minnesota	0	0	0	6	2	0	8	2
Missouri	0	0	0	21	1	0	0	2
Nebraska	0	0	0	33	2	0	0	3
North Dakota	0	0	0	0	3	0	112	2
South Dakota	0	0	0	3	1	0	0	4
South Atlantic	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**1**
Delaware	0	0	0	9	17	0	0	11
District of Columbia	0	0	0	56	15	0	0	17
Florida	0	0	0	0	1	0	0	1
Georgia	0	0	0	1	2	0	0	2
Maryland	0	0	0	7	4	0	0	0
North Carolina	0	0	0	2	2	0	0	1
South Carolina	0	0	0	3	4	0	0	1
Virginia	0	0	0	2	4	0	0	1
West Virginia	0	0	0	13	1	0	0	2
East South Central	**0**	**0**	**0**	**2**	**3**	**0**	**0**	**1**
Alabama	0	0	0	2	4	0	0	1
Kentucky	0	0	0	12	17	0	0	1
Mississippi	0	0	0	2	4	0	0	2
Tennessee	0	0	0	4	4	0	0	1
West South Central	**0**	**0**	**0**	**0**	**1**	**0**	**3**	**1**
Arkansas	0	0	0	2	4	0	0	3
Louisiana	0	0	0	4	7	0	22	1
Oklahoma	0	0	0	26	1	0	0	2
Texas	0	0	0	0	1	0	2	1
Mountain	**0**	**17**	**0**	**1**	**1**	**0**	**1**	**1**
Arizona	0	0	0	1	2	0	0	1
Colorado	0	0	0	2	2	0	0	1
Idaho	0	107	0	4	6	0	0	7
Montana	0	0	0	0	2	0	0	5
Nevada	0	16	0	1	5	0	0	2
New Mexico	0	0	0	3	1	0	0	1
Utah	0	53	0	1	4	0	17	2
Wyoming	0	0	0	0	3	0	0	4
Pacific Contiguous	**0**	**12**	**0**	**1**	**2**	**0**	**0**	**1**
California	0	11	0	1	2	0	0	1
Oregon	0	75	0	4	3	0	0	2
Washington	0	0	0	5	4	0	0	1
Pacific Noncontiguous	**0**	**64**	**0**	**6**	**10**	**0**	**0**	**6**
Alaska	0	0	0	104	29	0	0	13
Hawaii	0	64	0	6	11	0	0	3
U.S. Total	**0**	**13**	**0**	**0**	**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 March 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**32**	**0**	**2**	**0**	**0**	**9**
Connecticut	0	61	0	1	0	0	31
Maine	0	78	0	12	0	0	11
Massachusetts	0	44	0	4	0	0	21
New Hampshire	0	34	0	0	0	0	21
Rhode Island	0	95	0	18	0	0	158
Vermont	0	421	0	0	0	0	17
Middle Atlantic	**21**	**34**	**0**	**1**	**61**	**0**	**3**
New Jersey	0	194	0	3	0	0	0
New York	0	38	0	2	0	0	2
Pennsylvania	21	64	0	1	140	0	13
East North Central	**0**	**15**	**28**	**1**	**22**	**0**	**14**
Illinois	0	45	0	4	0	0	58
Indiana	1	11	0	3	34	0	32
Michigan	0	12	0	2	0	0	28
Ohio	2	37	53	2	57	0	27
Wisconsin	0	24	0	4	0	0	23
West North Central	**1**	**11**	**0**	**7**	**0**	**0**	**10**
Iowa	1	16	0	12	0	0	37
Kansas	0	26	0	15	0	0	0
Minnesota	1	36	0	9	0	0	35
Missouri	0	30	0	17	0	0	17
Nebraska	5	47	0	47	0	0	31
North Dakota	0	4	0	29	0	0	24
South Dakota	0	77	0	33	0	0	15
South Atlantic	**1**	**14**	**38**	**1**	**0**	**0**	**7**
Delaware	0	98	0	15	0	0	0
District of Columbia	0	66,743	0	27	0	0	0
Florida	0	33	0	1	0	0	38
Georgia	0	32	278	4	0	0	12
Maryland	0	24	0	1	0	0	1
North Carolina	0	17	0	3	0	0	10
South Carolina	0	42	0	3	0	0	17
Virginia	0	52	0	2	0	0	20
West Virginia	2	0	0	9	0	0	15
East South Central	**0**	**11**	**0**	**2**	**36**	**0**	**4**
Alabama	0	261	0	3	1,960	0	6
Kentucky	0	33	0	6	0	0	7
Mississippi	0	1	0	2	0	0	0
Tennessee	0	2	0	1	0	0	7
West South Central	**0**	**21**	**0**	**1**	**5**	**0**	**9**
Arkansas	0	25	0	8	0	0	11
Louisiana	0	251	0	2	11	0	19
Oklahoma	0	28	0	4	0	0	15
Texas	0	27	0	2	3	0	27
Mountain	**2**	**8**	**0**	**1**	**10**	**0**	**6**
Arizona	0	9	0	2	0	0	5
Colorado	0	44	0	2	0	0	25
Idaho	296	0	0	13	0	0	12
Montana	7	20	0	30	0	0	11
Nevada	0	0	0	1	0	0	2
New Mexico	0	127	0	4	0	0	69
Utah	0	7	0	3	0	0	36
Wyoming	6	1	0	6	10	0	34
Pacific Contiguous	**0**	**25**	**0**	**2**	**0**	**0**	**2**
California	0	7	0	2	0	0	5
Oregon	0	461	0	4	0	0	3
Washington	0	80	0	6	0	0	1
Pacific Noncontiguous	**27**	**1**	**0**	**24**	**0**	**0**	**24**
Alaska	27	2	0	24	0	0	25
Hawaii	0	1	0	0	0	0	60
U.S. Total	**1**	**2**	**20**	**1**	**7**	**0**	**2**

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

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

Total (All Sectors) by Census Division and State, Year-to-Date through March 2024 (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**	**4**	**4**	**0**	**0**	**1**
Connecticut	0	0	0	11	7	0	0	0
Maine	0	0	0	11	5	0	0	5
Massachusetts	0	0	0	6	5	0	0	3
New Hampshire	0	0	0	139	20	0	0	3
Rhode Island	0	0	0	11	7	0	0	14
Vermont	0	0	0	16	11	0	0	11
Middle Atlantic	**0**	**0**	**0**	**4**	**2**	**0**	**1**	**1**
New Jersey	0	0	0	7	5	0	0	1
New York	0	0	0	6	3	0	2	1
Pennsylvania	0	0	0	9	4	0	0	1
East North Central	**0**	**0**	**0**	**1**	**1**	**0**	**4**	**1**
Illinois	0	0	0	3	1	0	0	1
Indiana	0	0	0	4	2	0	0	1
Michigan	0	0	0	6	2	0	28	1
Ohio	0	0	0	1	1	0	0	1
Wisconsin	0	0	0	2	2	0	97	2
West North Central	**0**	**0**	**0**	**4**	**1**	**0**	**10**	**1**
Iowa	0	0	0	5	1	0	0	1
Kansas	0	0	0	26	1	0	0	2
Minnesota	0	0	0	6	2	0	8	2
Missouri	0	0	0	21	1	0	0	2
Nebraska	0	0	0	33	2	0	0	3
North Dakota	0	0	0	0	3	0	112	2
South Dakota	0	0	0	3	1	0	0	4
South Atlantic	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**1**
Delaware	0	0	0	9	17	0	0	11
District of Columbia	0	0	0	56	15	0	0	17
Florida	0	0	0	0	1	0	0	1
Georgia	0	0	0	1	2	0	0	2
Maryland	0	0	0	7	4	0	0	0
North Carolina	0	0	0	2	2	0	0	1
South Carolina	0	0	0	3	4	0	0	1
Virginia	0	0	0	2	4	0	0	1
West Virginia	0	0	0	13	1	0	0	2
East South Central	**0**	**0**	**0**	**2**	**3**	**0**	**0**	**1**
Alabama	0	0	0	2	4	0	0	1
Kentucky	0	0	0	12	17	0	0	1
Mississippi	0	0	0	2	4	0	0	2
Tennessee	0	0	0	4	4	0	0	1
West South Central	**0**	**0**	**0**	**0**	**1**	**0**	**3**	**1**
Arkansas	0	0	0	2	4	0	0	3
Louisiana	0	0	0	4	7	0	22	1
Oklahoma	0	0	0	26	1	0	0	2
Texas	0	0	0	0	1	0	2	1
Mountain	**0**	**17**	**0**	**1**	**1**	**0**	**1**	**1**
Arizona	0	0	0	1	2	0	0	1
Colorado	0	0	0	2	2	0	0	1
Idaho	0	107	0	4	6	0	0	7
Montana	0	0	0	0	2	0	0	5
Nevada	0	16	0	1	5	0	0	2
New Mexico	0	0	0	3	1	0	0	1
Utah	0	53	0	1	4	0	17	2
Wyoming	0	0	0	0	3	0	0	4
Pacific Contiguous	**0**	**12**	**0**	**1**	**2**	**0**	**0**	**1**
California	0	11	0	1	2	0	0	1
Oregon	0	75	0	4	3	0	0	2
Washington	0	0	0	5	4	0	0	1
Pacific Noncontiguous	**0**	**64**	**0**	**6**	**10**	**0**	**0**	**6**
Alaska	0	0	0	104	29	0	0	13
Hawaii	0	64	0	6	11	0	0	3
U.S. Total	**0**	**13**	**0**	**0**	**1**	**0**	**0**	**0**

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

Table A.1.C. Relative Standard Error (Percent) for Small Scale Solar Generation and Capacity by Sector, Census Division and State, March 2024

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**1**	**3**	**2**	**.**	**2**
Connecticut	0	4	0	.	1
Maine	3	1	0	.	1
Massachusetts	1	4	2	.	2
New Hampshire	1	7	0	.	2
Rhode Island	0	0	0	.	0
Vermont	10	74	92	.	29
Middle Atlantic	**1**	**2**	**1**	**.**	**1**
New Jersey	1	2	1	.	1
New York	0	0	1	.	0
Pennsylvania	5	19	2	.	6
East North Central	**4**	**3**	**5**	**.**	**3**
Illinois	4	4	0	.	3
Indiana	18	4	31	.	8
Michigan	10	20	65	.	9
Ohio	12	9	4	.	7
Wisconsin	18	16	9	.	12
West North Central	**5**	**3**	**10**	**.**	**3**
Iowa	12	4	31	.	7
Kansas	19	14	0	.	16
Minnesota	12	8	10	.	9
Missouri	7	3	13	.	5
Nebraska	29	42	81	.	25
North Dakota	0	0	0	.	0
South Dakota	0	0	0	.	0
South Atlantic	**4**	**4**	**14**	**.**	**3**
Delaware	21	16	167	.	22
District of Columbia	0	0	0	.	0
Florida	6	14	7	.	6
Georgia	98	45	0	.	74
Maryland	5	8	23	.	4
North Carolina	12	9	0	.	10
South Carolina	19	18	0	.	16
Virginia	12	6	14	.	8
West Virginia	12	0	0	.	9
East South Central	**10**	**10**	**0**	**.**	**9**
Alabama	0	0	0	.	0
Kentucky	11	10	0	.	9
Mississippi	35	26	0	.	25
Tennessee	0	0	0	.	0
West South Central	**14**	**19**	**30**	**.**	**11**
Arkansas	26	27	34	.	17
Louisiana	26	53	194	.	25
Oklahoma	25	40	0	.	22
Texas	20	27	168	.	17
Mountain	**1**	**1**	**11**	**.**	**1**
Arizona	1	1	0	.	1
Colorado	4	2	30	.	3
Idaho	3	5	0	.	3
Montana	12	5	0	.	10
Nevada	1	1	0	.	1
New Mexico	5	3	902	.	5
Utah	3	3	0	.	3
Wyoming	25	30	763	.	30
Pacific Contiguous	**0**	**1**	**0**	**.**	**0**
California	0	1	0	.	0
Oregon	3	6	4	.	3
Washington	5	12	9	.	5
Pacific Noncontiguous	**0**	**0**	**0**	**.**	**0**
Alaska	12	20	0	.	11
Hawaii	0	0	0	.	0
U.S. Total	**1**	**1**	**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.2.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Electric Utilities by Census Division and State, March 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**103**	**0**	**0**	**0**	**0**	**22**
Connecticut	0	30	0	0	0	0	21
Maine	0	0	0	0	0	0	650
Massachusetts	0	173	0	0	0	0	42
New Hampshire	0	0	0	0	0	0	183
Rhode Island	0	0	0	0	0	0	0
Vermont	0	421	0	0	0	0	29
Middle Atlantic	**0**	**68**	**0**	**7**	**0**	**0**	**1**
New Jersey	0	0	0	71	0	0	0
New York	0	68	0	7	0	0	1
Pennsylvania	0	194	0	0	0	0	0
East North Central	**1**	**10**	**0**	**3**	**0**	**0**	**15**
Illinois	0	62	0	0	0	0	68
Indiana	1	11	0	6	0	0	31
Michigan	0	12	0	5	0	0	30
Ohio	5	56	0	6	0	0	34
Wisconsin	0	48	0	4	0	0	25
West North Central	**1**	**11**	**0**	**8**	**0**	**0**	**10**
Iowa	0	16	0	14	0	0	37
Kansas	0	26	0	16	0	0	0
Minnesota	0	39	0	10	0	0	44
Missouri	0	30	0	18	0	0	17
Nebraska	5	47	0	47	0	0	31
North Dakota	0	4	0	29	0	0	24
South Dakota	0	77	0	34	0	0	15
South Atlantic	**0**	**18**	**0**	**1**	**0**	**0**	**9**
Delaware	0	0	0	0	0	0	0
Florida	0	35	0	1	0	0	38
Georgia	0	82	0	4	0	0	12
Maryland	0	56	0	0	0	0	0
North Carolina	0	16	0	3	0	0	11
South Carolina	0	53	0	2	0	0	16
Virginia	0	83	0	3	0	0	21
West Virginia	0	0	0	0	0	0	22
East South Central	**0**	**11**	**0**	**2**	**0**	**0**	**4**
Alabama	0	1,265	0	6	0	0	6
Kentucky	0	33	0	6	0	0	7
Mississippi	0	1	0	2	0	0	0
Tennessee	0	2	0	0	0	0	7
West South Central	**0**	**24**	**0**	**3**	**0**	**0**	**9**
Arkansas	0	27	0	9	0	0	11
Louisiana	0	251	0	3	0	0	0
Oklahoma	0	31	0	5	0	0	15
Texas	0	36	0	6	0	0	28
Mountain	**2**	**10**	**0**	**1**	**0**	**0**	**6**
Arizona	0	9	0	3	0	0	5
Colorado	0	44	0	2	0	0	26
Idaho	0	0	0	13	0	0	12
Montana	0	288	0	38	0	0	11
Nevada	0	0	0	1	0	0	0
New Mexico	0	127	0	5	0	0	69
Utah	0	8	0	3	0	0	38
Wyoming	6	1	0	7	0	0	34
Pacific Contiguous	**0**	**16**	**0**	**3**	**0**	**0**	**2**
California	0	11	0	3	0	0	4
Oregon	0	558	0	7	0	0	3
Washington	0	233	0	7	0	0	1
Pacific Noncontiguous	**38**	**1**	**0**	**24**	**0**	**0**	**26**
Alaska	38	3	0	24	0	0	26
Hawaii	0	1	0	0	0	0	0
U.S. Total	**0**	**2**	**0**	**1**	**0**	**0**	**2**

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

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

Electric Utilities by Census Division and State, March 2024 (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**	**16**	**7**	**0**	**0**	**13**
Connecticut	0	0	0	0	0	0	0	13
Maine	0	0	0	0	0	0	0	650
Massachusetts	0	0	0	25	20	0	0	28
New Hampshire	0	0	0	0	0	0	0	183
Rhode Island	0	0	0	0	0	0	0	0
Vermont	0	0	0	6	8	0	0	15
Middle Atlantic	**0**	**0**	**0**	**24**	**7**	**0**	**0**	**2**
New Jersey	0	0	0	24	24	0	0	43
New York	0	0	0	0	0	0	0	2
Pennsylvania	0	0	0	0	0	0	0	0
East North Central	**0**	**0**	**0**	**2**	**2**	**0**	**83**	**1**
Illinois	0	0	0	50	47	0	0	1
Indiana	0	0	0	5	7	0	0	2
Michigan	0	0	0	22	2	0	0	2
Ohio	0	0	0	97	102	0	0	4
Wisconsin	0	0	0	2	3	0	97	2
West North Central	**0**	**0**	**0**	**9**	**1**	**0**	**15**	**1**
Iowa	0	0	0	8	1	0	0	2
Kansas	0	0	0	76	4	0	0	3
Minnesota	0	0	0	20	4	0	0	3
Missouri	0	0	0	49	1	0	0	2
Nebraska	0	0	0	100	34	0	0	4
North Dakota	0	0	0	0	5	0	112	2
South Dakota	0	0	0	0	7	0	0	9
South Atlantic	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0**
Delaware	0	0	0	106	106	0	0	83
District of Columbia	0	0	0	221	221	0	0	221
Florida	0	0	0	0	0	0	0	1
Georgia	0	0	0	12	12	0	0	2
Maryland	0	0	0	94	94	0	0	0
North Carolina	0	0	0	7	7	0	0	1
South Carolina	0	0	0	97	72	0	0	1
Virginia	0	0	0	3	8	0	0	2
West Virginia	0	0	0	67	67	0	0	1
East South Central	**0**	**0**	**0**	**10**	**16**	**0**	**0**	**1**
Alabama	0	0	0	53	53	0	0	2
Kentucky	0	0	0	35	40	0	0	1
Mississippi	0	0	0	4	4	0	0	2
Tennessee	0	0	0	167	167	0	0	1
West South Central	**0**	**0**	**0**	**10**	**5**	**0**	**0**	**2**
Arkansas	0	0	0	9	9	0	0	3
Louisiana	0	0	0	43	43	0	0	2
Oklahoma	0	0	0	26	5	0	0	4
Texas	0	0	0	72	36	0	0	4
Mountain	**0**	**71**	**0**	**6**	**2**	**0**	**13**	**1**
Arizona	0	0	0	9	9	0	0	1
Colorado	0	0	0	77	2	0	0	1
Idaho	0	0	0	0	16	0	0	9
Montana	0	0	0	0	9	0	0	9
Nevada	0	0	0	8	8	0	0	1
New Mexico	0	0	0	13	1	0	0	2
Utah	0	71	0	22	62	0	62	2
Wyoming	0	0	0	0	4	0	0	4
Pacific Contiguous	**0**	**0**	**0**	**14**	**4**	**0**	**0**	**1**
California	0	0	0	14	6	0	0	2
Oregon	0	0	0	115	7	0	0	3
Washington	0	0	0	98	6	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**22**	**28**	**0**	**0**	**8**
Alaska	0	0	0	222	47	0	0	14
Hawaii	0	0	0	21	20	0	0	1
U.S. Total	**0**	**22**	**0**	**1**	**1**	**0**	**6**	**0**

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

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

Electric Utilities by Census Division and State, Year-to-Date through March 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**103**	**0**	**0**	**0**	**0**	**22**
Connecticut	0	30	0	0	0	0	21
Maine	0	0	0	0	0	0	650
Massachusetts	0	173	0	0	0	0	42
New Hampshire	0	0	0	0	0	0	183
Rhode Island	0	0	0	0	0	0	0
Vermont	0	421	0	0	0	0	29
Middle Atlantic	**0**	**68**	**0**	**7**	**0**	**0**	**1**
New Jersey	0	0	0	71	0	0	0
New York	0	68	0	7	0	0	1
Pennsylvania	0	194	0	0	0	0	0
East North Central	**1**	**10**	**0**	**3**	**0**	**0**	**15**
Illinois	0	62	0	0	0	0	68
Indiana	1	11	0	6	0	0	31
Michigan	0	12	0	5	0	0	30
Ohio	5	56	0	6	0	0	34
Wisconsin	0	48	0	4	0	0	25
West North Central	**1**	**11**	**0**	**8**	**0**	**0**	**10**
Iowa	0	16	0	14	0	0	37
Kansas	0	26	0	16	0	0	0
Minnesota	0	39	0	10	0	0	44
Missouri	0	30	0	18	0	0	17
Nebraska	5	47	0	47	0	0	31
North Dakota	0	4	0	29	0	0	24
South Dakota	0	77	0	34	0	0	15
South Atlantic	**0**	**18**	**0**	**1**	**0**	**0**	**9**
Delaware	0	0	0	0	0	0	0
Florida	0	35	0	1	0	0	38
Georgia	0	82	0	4	0	0	12
Maryland	0	56	0	0	0	0	0
North Carolina	0	16	0	3	0	0	11
South Carolina	0	53	0	2	0	0	16
Virginia	0	83	0	3	0	0	21
West Virginia	0	0	0	0	0	0	22
East South Central	**0**	**11**	**0**	**2**	**0**	**0**	**4**
Alabama	0	1,265	0	6	0	0	6
Kentucky	0	33	0	6	0	0	7
Mississippi	0	1	0	2	0	0	0
Tennessee	0	2	0	0	0	0	7
West South Central	**0**	**24**	**0**	**3**	**0**	**0**	**9**
Arkansas	0	27	0	9	0	0	11
Louisiana	0	251	0	3	0	0	0
Oklahoma	0	31	0	5	0	0	15
Texas	0	36	0	6	0	0	28
Mountain	**2**	**10**	**0**	**1**	**0**	**0**	**6**
Arizona	0	9	0	3	0	0	5
Colorado	0	44	0	2	0	0	26
Idaho	0	0	0	13	0	0	12
Montana	0	288	0	38	0	0	11
Nevada	0	0	0	1	0	0	0
New Mexico	0	127	0	5	0	0	69
Utah	0	8	0	3	0	0	38
Wyoming	6	1	0	7	0	0	34
Pacific Contiguous	**0**	**16**	**0**	**3**	**0**	**0**	**2**
California	0	11	0	3	0	0	4
Oregon	0	558	0	7	0	0	3
Washington	0	233	0	7	0	0	1
Pacific Noncontiguous	**38**	**1**	**0**	**24**	**0**	**0**	**26**
Alaska	38	3	0	24	0	0	26
Hawaii	0	1	0	0	0	0	0
U.S. Total	**0**	**2**	**0**	**1**	**0**	**0**	**2**

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

Electric Utilities by Census Division and State, Year-to-Date through March 2024 (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**	**16**	**7**	**0**	**0**	**13**
Connecticut	0	0	0	0	0	0	0	13
Maine	0	0	0	0	0	0	0	650
Massachusetts	0	0	0	25	20	0	0	28
New Hampshire	0	0	0	0	0	0	0	183
Rhode Island	0	0	0	0	0	0	0	0
Vermont	0	0	0	6	8	0	0	15
Middle Atlantic	**0**	**0**	**0**	**24**	**7**	**0**	**0**	**2**
New Jersey	0	0	0	24	24	0	0	43
New York	0	0	0	0	0	0	0	2
Pennsylvania	0	0	0	0	0	0	0	0
East North Central	**0**	**0**	**0**	**2**	**2**	**0**	**83**	**1**
Illinois	0	0	0	50	47	0	0	1
Indiana	0	0	0	5	7	0	0	2
Michigan	0	0	0	22	2	0	0	2
Ohio	0	0	0	97	102	0	0	4
Wisconsin	0	0	0	2	3	0	97	2
West North Central	**0**	**0**	**0**	**9**	**1**	**0**	**15**	**1**
Iowa	0	0	0	8	1	0	0	2
Kansas	0	0	0	76	4	0	0	3
Minnesota	0	0	0	20	4	0	0	3
Missouri	0	0	0	49	1	0	0	2
Nebraska	0	0	0	100	34	0	0	4
North Dakota	0	0	0	0	5	0	112	2
South Dakota	0	0	0	0	7	0	0	9
South Atlantic	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0**
Delaware	0	0	0	106	106	0	0	83
District of Columbia	0	0	0	221	221	0	0	221
Florida	0	0	0	0	0	0	0	1
Georgia	0	0	0	12	12	0	0	2
Maryland	0	0	0	94	94	0	0	0
North Carolina	0	0	0	7	7	0	0	1
South Carolina	0	0	0	97	72	0	0	1
Virginia	0	0	0	3	8	0	0	2
West Virginia	0	0	0	67	67	0	0	1
East South Central	**0**	**0**	**0**	**10**	**16**	**0**	**0**	**1**
Alabama	0	0	0	53	53	0	0	2
Kentucky	0	0	0	35	40	0	0	1
Mississippi	0	0	0	4	4	0	0	2
Tennessee	0	0	0	167	167	0	0	1
West South Central	**0**	**0**	**0**	**10**	**5**	**0**	**0**	**2**
Arkansas	0	0	0	9	9	0	0	3
Louisiana	0	0	0	43	43	0	0	2
Oklahoma	0	0	0	26	5	0	0	4
Texas	0	0	0	72	36	0	0	4
Mountain	**0**	**71**	**0**	**6**	**2**	**0**	**13**	**1**
Arizona	0	0	0	9	9	0	0	1
Colorado	0	0	0	77	2	0	0	1
Idaho	0	0	0	0	16	0	0	9
Montana	0	0	0	0	9	0	0	9
Nevada	0	0	0	8	8	0	0	1
New Mexico	0	0	0	13	1	0	0	2
Utah	0	71	0	22	62	0	62	2
Wyoming	0	0	0	0	4	0	0	4
Pacific Contiguous	**0**	**0**	**0**	**14**	**4**	**0**	**0**	**1**
California	0	0	0	14	6	0	0	2
Oregon	0	0	0	115	7	0	0	3
Washington	0	0	0	98	6	0	0	1
Pacific Noncontiguous	**0**	**0**	**0**	**22**	**28**	**0**	**0**	**8**
Alaska	0	0	0	222	47	0	0	14
Hawaii	0	0	0	21	20	0	0	1
U.S. Total	**0**	**22**	**0**	**1**	**1**	**0**	**6**	**0**

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

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

Independent Power Producers by Census Division and State, March 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**48**	**0**	**2**	**0**	**0**	**10**
Connecticut	0	68	0	0	0	0	37
Maine	0	261	0	13	0	0	11
Massachusetts	0	56	0	4	0	0	23
New Hampshire	0	600	0	0	0	0	21
Rhode Island	0	144	0	18	0	0	158
Vermont	0	0	0	0	0	0	22
Middle Atlantic	**21**	**44**	**0**	**1**	**0**	**0**	**10**
New Jersey	0	194	0	3	0	0	0
New York	0	51	0	2	0	0	10
Pennsylvania	21	81	0	1	0	0	13
East North Central	**0**	**38**	**53**	**1**	**33**	**0**	**37**
Illinois	0	59	0	5	0	0	101
Indiana	0	0	0	0	0	0	0
Michigan	0	0	0	1	0	0	109
Ohio	0	41	53	2	87	0	43
Wisconsin	0	0	0	0	0	0	106
West North Central	**0**	**163**	**0**	**17**	**0**	**0**	**69**
Iowa	0	81	0	3,151	0	0	0
Kansas	0	0	0	0	0	0	0
Minnesota	0	322	0	17	0	0	73
Missouri	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0
South Atlantic	**19**	**30**	**0**	**4**	**0**	**0**	**5**
Delaware	0	98	0	23	0	0	0
Florida	0	168	0	14	0	0	0
Georgia	0	558	0	12	0	0	165
Maryland	0	24	0	1	0	0	1
North Carolina	0	407	0	10	0	0	21
South Carolina	0	223	0	44	0	0	81
Virginia	0	44	0	3	0	0	45
West Virginia	29	0	0	12	0	0	30
East South Central	**0**	**146**	**0**	**0**	**0**	**0**	**21**
Alabama	0	146	0	0	0	0	0
Kentucky	0	0	0	0	0	0	159
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	21
West South Central	**0**	**32**	**0**	**2**	**0**	**0**	**17**
Arkansas	0	0	0	0	0	0	47
Louisiana	0	0	0	13	0	0	19
Oklahoma	0	0	0	0	0	0	0
Texas	0	33	0	2	0	0	0
Mountain	**6**	**14**	**0**	**4**	**0**	**0**	**28**
Arizona	0	0	0	0	0	0	0
Colorado	0	0	0	10	0	0	70
Idaho	0	0	0	30	0	0	36
Montana	7	18	0	18	0	0	94
Nevada	0	0	0	0	0	0	68
New Mexico	0	0	0	7	0	0	0
Utah	0	0	0	149	0	0	0
Wyoming	0	0	0	0	0	0	0
Pacific Contiguous	**0**	**4**	**0**	**2**	**0**	**0**	**23**
California	0	0	0	2	0	0	26
Oregon	0	0	0	1	0	0	68
Washington	0	12	0	14	0	0	62
Pacific Noncontiguous	**62**	**0**	**0**	**0**	**0**	**0**	**0**
Alaska	62	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**2**	**6**	**27**	**1**	**11**	**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.A. Relative Standard Error (Percent) for Net Generation by Fuel Type:

Independent Power Producers by Census Division and State, March 2024 (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**	**0**	**1**
Connecticut	0	0	0	11	7	0	0	0
Maine	0	0	0	11	6	0	0	5
Massachusetts	0	0	0	7	6	0	0	3
New Hampshire	0	0	0	139	20	0	0	3
Rhode Island	0	0	0	11	7	0	0	15
Vermont	0	0	0	21	19	0	0	15
Middle Atlantic	**0**	**0**	**0**	**4**	**3**	**0**	**0**	**1**
New Jersey	0	0	0	8	6	0	0	1
New York	0	0	0	6	3	0	0	1
Pennsylvania	0	0	0	9	5	0	0	1
East North Central	**0**	**0**	**0**	**2**	**1**	**0**	**49**	**0**
Illinois	0	0	0	3	1	0	0	1
Indiana	0	0	0	6	2	0	0	1
Michigan	0	0	0	6	4	0	73	1
Ohio	0	0	0	1	1	0	0	1
Wisconsin	0	0	0	11	5	0	0	1
West North Central	**0**	**0**	**0**	**5**	**1**	**0**	**0**	**1**
Iowa	0	0	0	5	2	0	0	2
Kansas	0	0	0	25	1	0	0	1
Minnesota	0	0	0	6	3	0	0	4
Missouri	0	0	0	23	2	0	0	2
Nebraska	0	0	0	35	2	0	0	2
North Dakota	0	0	0	0	3	0	0	3
South Dakota	0	0	0	3	1	0	0	1
South Atlantic	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**2**
Delaware	0	0	0	8	19	0	0	17
District of Columbia	0	0	0	58	58	0	0	58
Florida	0	0	0	3	4	0	0	8
Georgia	0	0	0	1	2	0	0	6
Maryland	0	0	0	7	4	0	0	0
North Carolina	0	0	0	2	2	0	0	4
South Carolina	0	0	0	3	5	0	0	7
Virginia	0	0	0	2	5	0	0	3
West Virginia	0	0	0	0	0	0	0	11
East South Central	**0**	**0**	**0**	**2**	**3**	**0**	**0**	**1**
Alabama	0	0	0	2	3	0	0	0
Kentucky	0	0	0	8	13	0	0	23
Mississippi	0	0	0	2	3	0	0	1
Tennessee	0	0	0	4	5	0	0	10
West South Central	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**1**
Arkansas	0	0	0	2	3	0	0	1
Louisiana	0	0	0	4	7	0	0	9
Oklahoma	0	0	0	148	1	0	0	1
Texas	0	0	0	0	1	0	0	1
Mountain	**0**	**16**	**0**	**1**	**1**	**0**	**0**	**1**
Arizona	0	0	0	1	2	0	0	1
Colorado	0	0	0	2	2	0	0	2
Idaho	0	107	0	5	7	0	0	11
Montana	0	0	0	0	2	0	0	5
Nevada	0	16	0	1	5	0	0	5
New Mexico	0	0	0	2	1	0	0	1
Utah	0	71	0	1	3	0	0	3
Wyoming	0	0	0	0	3	0	0	2
Pacific Contiguous	**0**	**12**	**0**	**1**	**2**	**0**	**0**	**1**
California	0	12	0	1	2	0	0	2
Oregon	0	75	0	4	4	0	0	2
Washington	0	0	0	5	5	0	0	5
Pacific Noncontiguous	**0**	**64**	**0**	**6**	**13**	**0**	**0**	**7**
Alaska	0	0	0	118	52	0	0	43
Hawaii	0	64	0	6	13	0	0	6
U.S. Total	**0**	**13**	**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 March 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**48**	**0**	**2**	**0**	**0**	**10**
Connecticut	0	68	0	0	0	0	37
Maine	0	261	0	13	0	0	11
Massachusetts	0	56	0	4	0	0	23
New Hampshire	0	600	0	0	0	0	21
Rhode Island	0	144	0	18	0	0	158
Vermont	0	0	0	0	0	0	22
Middle Atlantic	**21**	**44**	**0**	**1**	**0**	**0**	**10**
New Jersey	0	194	0	3	0	0	0
New York	0	51	0	2	0	0	10
Pennsylvania	21	81	0	1	0	0	13
East North Central	**0**	**38**	**53**	**1**	**33**	**0**	**37**
Illinois	0	59	0	5	0	0	101
Indiana	0	0	0	0	0	0	0
Michigan	0	0	0	1	0	0	109
Ohio	0	41	53	2	87	0	43
Wisconsin	0	0	0	0	0	0	106
West North Central	**0**	**163**	**0**	**17**	**0**	**0**	**69**
Iowa	0	81	0	3,151	0	0	0
Kansas	0	0	0	0	0	0	0
Minnesota	0	322	0	17	0	0	73
Missouri	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0
South Atlantic	**19**	**30**	**0**	**4**	**0**	**0**	**5**
Delaware	0	98	0	23	0	0	0
Florida	0	168	0	14	0	0	0
Georgia	0	558	0	12	0	0	165
Maryland	0	24	0	1	0	0	1
North Carolina	0	407	0	10	0	0	21
South Carolina	0	223	0	44	0	0	81
Virginia	0	44	0	3	0	0	45
West Virginia	29	0	0	12	0	0	30
East South Central	**0**	**146**	**0**	**0**	**0**	**0**	**21**
Alabama	0	146	0	0	0	0	0
Kentucky	0	0	0	0	0	0	159
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	21
West South Central	**0**	**32**	**0**	**2**	**0**	**0**	**17**
Arkansas	0	0	0	0	0	0	47
Louisiana	0	0	0	13	0	0	19
Oklahoma	0	0	0	0	0	0	0
Texas	0	33	0	2	0	0	0
Mountain	**6**	**14**	**0**	**4**	**0**	**0**	**28**
Arizona	0	0	0	0	0	0	0
Colorado	0	0	0	10	0	0	70
Idaho	0	0	0	30	0	0	36
Montana	7	18	0	18	0	0	94
Nevada	0	0	0	0	0	0	68
New Mexico	0	0	0	7	0	0	0
Utah	0	0	0	149	0	0	0
Wyoming	0	0	0	0	0	0	0
Pacific Contiguous	**0**	**4**	**0**	**2**	**0**	**0**	**23**
California	0	0	0	2	0	0	26
Oregon	0	0	0	1	0	0	68
Washington	0	12	0	14	0	0	62
Pacific Noncontiguous	**62**	**0**	**0**	**0**	**0**	**0**	**0**
Alaska	62	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**2**	**6**	**27**	**1**	**11**	**0**	**6**

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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 March 2024 (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**	**0**	**1**
Connecticut	0	0	0	11	7	0	0	0
Maine	0	0	0	11	6	0	0	5
Massachusetts	0	0	0	7	6	0	0	3
New Hampshire	0	0	0	139	20	0	0	3
Rhode Island	0	0	0	11	7	0	0	15
Vermont	0	0	0	21	19	0	0	15
Middle Atlantic	**0**	**0**	**0**	**4**	**3**	**0**	**0**	**1**
New Jersey	0	0	0	8	6	0	0	1
New York	0	0	0	6	3	0	0	1
Pennsylvania	0	0	0	9	5	0	0	1
East North Central	**0**	**0**	**0**	**2**	**1**	**0**	**49**	**0**
Illinois	0	0	0	3	1	0	0	1
Indiana	0	0	0	6	2	0	0	1
Michigan	0	0	0	6	4	0	73	1
Ohio	0	0	0	1	1	0	0	1
Wisconsin	0	0	0	11	5	0	0	1
West North Central	**0**	**0**	**0**	**5**	**1**	**0**	**0**	**1**
Iowa	0	0	0	5	2	0	0	2
Kansas	0	0	0	25	1	0	0	1
Minnesota	0	0	0	6	3	0	0	4
Missouri	0	0	0	23	2	0	0	2
Nebraska	0	0	0	35	2	0	0	2
North Dakota	0	0	0	0	3	0	0	3
South Dakota	0	0	0	3	1	0	0	1
South Atlantic	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**2**
Delaware	0	0	0	8	19	0	0	17
District of Columbia	0	0	0	58	58	0	0	58
Florida	0	0	0	3	4	0	0	8
Georgia	0	0	0	1	2	0	0	6
Maryland	0	0	0	7	4	0	0	0
North Carolina	0	0	0	2	2	0	0	4
South Carolina	0	0	0	3	5	0	0	7
Virginia	0	0	0	2	5	0	0	3
West Virginia	0	0	0	0	0	0	0	11
East South Central	**0**	**0**	**0**	**2**	**3**	**0**	**0**	**1**
Alabama	0	0	0	2	3	0	0	0
Kentucky	0	0	0	8	13	0	0	23
Mississippi	0	0	0	2	3	0	0	1
Tennessee	0	0	0	4	5	0	0	10
West South Central	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**1**
Arkansas	0	0	0	2	3	0	0	1
Louisiana	0	0	0	4	7	0	0	9
Oklahoma	0	0	0	148	1	0	0	1
Texas	0	0	0	0	1	0	0	1
Mountain	**0**	**16**	**0**	**1**	**1**	**0**	**0**	**1**
Arizona	0	0	0	1	2	0	0	1
Colorado	0	0	0	2	2	0	0	2
Idaho	0	107	0	5	7	0	0	11
Montana	0	0	0	0	2	0	0	5
Nevada	0	16	0	1	5	0	0	5
New Mexico	0	0	0	2	1	0	0	1
Utah	0	71	0	1	3	0	0	3
Wyoming	0	0	0	0	3	0	0	2
Pacific Contiguous	**0**	**12**	**0**	**1**	**2**	**0**	**0**	**1**
California	0	12	0	1	2	0	0	2
Oregon	0	75	0	4	4	0	0	2
Washington	0	0	0	5	5	0	0	5
Pacific Noncontiguous	**0**	**64**	**0**	**6**	**13**	**0**	**0**	**7**
Alaska	0	0	0	118	52	0	0	43
Hawaii	0	64	0	6	13	0	0	6
U.S. Total	**0**	**13**	**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, March 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**16**	**0**	**12**	**0**	**0**	**0**
Connecticut	0	255	0	21	0	0	0
Maine	0	0	0	0	0	0	0
Massachusetts	0	38	0	15	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**	**86**	**0**	**11**	**0**	**0**	**0**
New Jersey	0	2,253	0	23	0	0	0
New York	0	102	0	15	0	0	0
Pennsylvania	0	0	0	5	0	0	0
East North Central	**59**	**66**	**0**	**7**	**0**	**0**	**325**
Illinois	164	127	0	22	0	0	0
Indiana	0	0	0	0	0	0	325
Michigan	0	395	0	8	0	0	0
Ohio	0	69	0	3	0	0	0
Wisconsin	0	200	0	17	0	0	0
West North Central	**0**	**44**	**0**	**4**	**0**	**0**	**0**
Iowa	0	0	0	4	0	0	0
Minnesota	0	48	0	23	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	940	0	0	0	0	0
South Atlantic	**0**	**27**	**0**	**21**	**0**	**0**	**0**
District of Columbia	0	66,743	0	27	0	0	0
Florida	0	0	0	86	0	0	0
Georgia	0	70	0	0	0	0	0
Maryland	0	1,122	0	19	0	0	0
North Carolina	0	638	0	72	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**	**20**	**0**	**0**	**0**
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	20	0	0	0
West South Central	**0**	**106**	**0**	**37**	**0**	**0**	**1,262**
Arkansas	0	0	0	183	0	0	0
Louisiana	0	0	0	167	0	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	106	0	38	0	0	1,262
Mountain	**0**	**671**	**0**	**29**	**0**	**0**	**141**
Arizona	0	671	0	5	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	112	0	0	0
Utah	0	0	0	68	0	0	164
Pacific Contiguous	**0**	**21**	**0**	**12**	**0**	**0**	**95**
California	0	2	0	13	0	0	95
Oregon	0	785	0	0	0	0	0
Washington	0	0	0	0	0	0	0
Pacific Noncontiguous	**33**	**6**	**0**	**0**	**0**	**0**	**78**
Alaska	33	12	0	0	0	0	78
Hawaii	0	0	0	0	0	0	0
U.S. Total	**24**	**15**	**0**	**6**	**0**	**0**	**52**

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

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

Commercial Sector by Census Division and State, March 2024 (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**	**65**	**3**	**0**	**0**	**6**
Connecticut	0	0	0	109	109	0	0	20
Maine	0	0	0	0	0	0	0	0
Massachusetts	0	0	0	81	3	0	0	7
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**	**3**	**0**	**1**	**4**
New Jersey	0	0	0	20	6	0	0	5
New York	0	0	0	85	2	0	2	6
Pennsylvania	0	0	0	89	6	0	0	3
East North Central	**0**	**0**	**0**	**77**	**20**	**0**	**0**	**6**
Illinois	0	0	0	217	165	0	0	22
Indiana	0	0	0	201	17	0	0	15
Michigan	0	0	0	289	9	0	0	7
Ohio	0	0	0	116	46	0	0	4
Wisconsin	0	0	0	139	44	0	0	20
West North Central	**0**	**0**	**0**	**0**	**25**	**0**	**53**	**7**
Iowa	0	0	0	0	29	0	0	5
Kansas	0	0	0	0	140	0	0	140
Minnesota	0	0	0	0	49	0	53	23
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	940
South Atlantic	**0**	**0**	**0**	**23**	**4**	**0**	**0**	**7**
Delaware	0	0	0	165	91	0	0	91
District of Columbia	0	0	0	0	0	0	0	18
Florida	0	0	0	85	2	0	0	15
Georgia	0	0	0	153	153	0	0	130
Maryland	0	0	0	66	66	0	0	18
North Carolina	0	0	0	26	26	0	0	38
South Carolina	0	0	0	0	0	0	0	0
Virginia	0	0	0	205	2	0	0	1
East South Central	**0**	**0**	**0**	**101**	**101**	**0**	**0**	**20**
Kentucky	0	0	0	179	179	0	0	179
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	123	123	0	0	20
West South Central	**0**	**0**	**0**	**3**	**9**	**0**	**0**	**30**
Arkansas	0	0	0	0	0	0	0	113
Louisiana	0	0	0	0	0	0	0	167
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	3	11	0	0	33
Mountain	**0**	**0**	**0**	**31**	**24**	**0**	**0**	**23**
Arizona	0	0	0	60	60	0	0	10
Colorado	0	0	0	80	80	0	0	63
Idaho	0	0	0	0	43	0	0	18
Nevada	0	0	0	39	39	0	0	17
New Mexico	0	0	0	0	358	0	0	109
Utah	0	0	0	0	0	0	0	59
Pacific Contiguous	**0**	**0**	**0**	**19**	**8**	**0**	**0**	**8**
California	0	0	0	19	8	0	0	8
Oregon	0	0	0	0	40	0	0	17
Washington	0	0	0	0	91	0	0	42
Pacific Noncontiguous	**0**	**0**	**0**	**127**	**2**	**0**	**0**	**16**
Alaska	0	0	0	0	0	0	0	36
Hawaii	0	0	0	127	3	0	0	1
U.S. Total	**0**	**0**	**0**	**9**	**2**	**0**	**1**	**3**

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

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

Commercial Sector by Census Division and State, Year-to-Date through March 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**16**	**0**	**12**	**0**	**0**	**0**
Connecticut	0	255	0	21	0	0	0
Maine	0	0	0	0	0	0	0
Massachusetts	0	38	0	15	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**	**86**	**0**	**11**	**0**	**0**	**0**
New Jersey	0	2,253	0	23	0	0	0
New York	0	102	0	15	0	0	0
Pennsylvania	0	0	0	5	0	0	0
East North Central	**59**	**66**	**0**	**7**	**0**	**0**	**325**
Illinois	164	127	0	22	0	0	0
Indiana	0	0	0	0	0	0	325
Michigan	0	395	0	8	0	0	0
Ohio	0	69	0	3	0	0	0
Wisconsin	0	200	0	17	0	0	0
West North Central	**0**	**44**	**0**	**4**	**0**	**0**	**0**
Iowa	0	0	0	4	0	0	0
Minnesota	0	48	0	23	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	940	0	0	0	0	0
South Atlantic	**0**	**27**	**0**	**21**	**0**	**0**	**0**
District of Columbia	0	66,743	0	27	0	0	0
Florida	0	0	0	86	0	0	0
Georgia	0	70	0	0	0	0	0
Maryland	0	1,122	0	19	0	0	0
North Carolina	0	638	0	72	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**	**20**	**0**	**0**	**0**
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	20	0	0	0
West South Central	**0**	**106**	**0**	**37**	**0**	**0**	**1,262**
Arkansas	0	0	0	183	0	0	0
Louisiana	0	0	0	167	0	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	106	0	38	0	0	1,262
Mountain	**0**	**671**	**0**	**29**	**0**	**0**	**141**
Arizona	0	671	0	5	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	112	0	0	0
Utah	0	0	0	68	0	0	164
Pacific Contiguous	**0**	**21**	**0**	**12**	**0**	**0**	**95**
California	0	2	0	13	0	0	95
Oregon	0	785	0	0	0	0	0
Washington	0	0	0	0	0	0	0
Pacific Noncontiguous	**33**	**6**	**0**	**0**	**0**	**0**	**78**
Alaska	33	12	0	0	0	0	78
Hawaii	0	0	0	0	0	0	0
U.S. Total	**24**	**15**	**0**	**6**	**0**	**0**	**52**

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

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

Commercial Sector by Census Division and State, Year-to-Date through March 2024 (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**	**65**	**3**	**0**	**0**	**6**
Connecticut	0	0	0	109	109	0	0	20
Maine	0	0	0	0	0	0	0	0
Massachusetts	0	0	0	81	3	0	0	7
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**	**3**	**0**	**1**	**4**
New Jersey	0	0	0	20	6	0	0	5
New York	0	0	0	85	2	0	2	6
Pennsylvania	0	0	0	89	6	0	0	3
East North Central	**0**	**0**	**0**	**77**	**20**	**0**	**0**	**6**
Illinois	0	0	0	217	165	0	0	22
Indiana	0	0	0	201	17	0	0	15
Michigan	0	0	0	289	9	0	0	7
Ohio	0	0	0	116	46	0	0	4
Wisconsin	0	0	0	139	44	0	0	20
West North Central	**0**	**0**	**0**	**0**	**25**	**0**	**53**	**7**
Iowa	0	0	0	0	29	0	0	5
Kansas	0	0	0	0	140	0	0	140
Minnesota	0	0	0	0	49	0	53	23
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	940
South Atlantic	**0**	**0**	**0**	**23**	**4**	**0**	**0**	**7**
Delaware	0	0	0	165	91	0	0	91
District of Columbia	0	0	0	0	0	0	0	18
Florida	0	0	0	85	2	0	0	15
Georgia	0	0	0	153	153	0	0	130
Maryland	0	0	0	66	66	0	0	18
North Carolina	0	0	0	26	26	0	0	38
South Carolina	0	0	0	0	0	0	0	0
Virginia	0	0	0	205	2	0	0	1
East South Central	**0**	**0**	**0**	**101**	**101**	**0**	**0**	**20**
Kentucky	0	0	0	179	179	0	0	179
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	123	123	0	0	20
West South Central	**0**	**0**	**0**	**3**	**9**	**0**	**0**	**30**
Arkansas	0	0	0	0	0	0	0	113
Louisiana	0	0	0	0	0	0	0	167
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	3	11	0	0	33
Mountain	**0**	**0**	**0**	**31**	**24**	**0**	**0**	**23**
Arizona	0	0	0	60	60	0	0	10
Colorado	0	0	0	80	80	0	0	63
Idaho	0	0	0	0	43	0	0	18
Nevada	0	0	0	39	39	0	0	17
New Mexico	0	0	0	0	358	0	0	109
Utah	0	0	0	0	0	0	0	59
Pacific Contiguous	**0**	**0**	**0**	**19**	**8**	**0**	**0**	**8**
California	0	0	0	19	8	0	0	8
Oregon	0	0	0	0	40	0	0	17
Washington	0	0	0	0	91	0	0	42
Pacific Noncontiguous	**0**	**0**	**0**	**127**	**2**	**0**	**0**	**16**
Alaska	0	0	0	0	0	0	0	36
Hawaii	0	0	0	127	3	0	0	1
U.S. Total	**0**	**0**	**0**	**9**	**2**	**0**	**1**	**3**

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

Table A.5.A. Relative Standard Error for Net Generation by Fuel Type: Industrial Sector by Census Division and State, March 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**27**	**0**	**9**	**0**	**0**	**67**
Connecticut	0	210	0	11	0	0	0
Maine	0	6	0	35	0	0	67
Massachusetts	0	86	0	19	0	0	0
New Hampshire	0	0	0	0	0	0	0
Rhode Island	0	0	0	31	0	0	0
Middle Atlantic	**0**	**4**	**0**	**4**	**61**	**0**	**21**
New Jersey	0	0	0	10	0	0	0
New York	0	3	0	6	0	0	21
Pennsylvania	0	7	0	5	140	0	0
East North Central	**8**	**11**	**0**	**5**	**26**	**0**	**42**
Illinois	0	0	0	12	0	0	0
Indiana	0	52	0	7	34	0	0
Michigan	235	0	0	15	0	0	219
Ohio	0	0	0	20	0	0	0
Wisconsin	56	15	0	11	0	0	41
West North Central	**5**	**7**	**0**	**10**	**0**	**0**	**0**
Iowa	2	75	0	9	0	0	0
Kansas	0	0	0	33	0	0	0
Minnesota	56	0	0	17	0	0	0
Missouri	0	0	0	0	0	0	0
Nebraska	9	0	0	0	0	0	0
North Dakota	68	0	0	0	0	0	0
South Dakota	0	0	0	66	0	0	0
South Atlantic	**4**	**27**	**278**	**9**	**0**	**0**	**26**
Delaware	0	0	0	0	0	0	0
Florida	0	92	0	20	0	0	0
Georgia	9	31	278	27	0	0	180
Maryland	0	0	0	0	0	0	0
North Carolina	6	143	0	61	0	0	514
South Carolina	0	0	0	27	0	0	0
Virginia	0	184	0	12	0	0	0
West Virginia	0	0	0	0	0	0	25
East South Central	**0**	**201**	**0**	**12**	**36**	**0**	**0**
Alabama	0	292	0	23	1,960	0	0
Kentucky	0	0	0	0	0	0	0
Mississippi	0	0	0	30	0	0	0
Tennessee	0	0	0	8	0	0	0
West South Central	**0**	**43**	**0**	**2**	**8**	**0**	**0**
Arkansas	0	1,279	0	59	0	0	0
Louisiana	0	0	0	3	11	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	10	0	3	9	0	0
Mountain	**26**	**0**	**0**	**4**	**10**	**0**	**0**
Colorado	0	0	0	0	0	0	0
Idaho	296	0	0	28	0	0	0
Montana	320	0	0	666	0	0	0
Nevada	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0
Utah	0	0	0	0	0	0	0
Wyoming	26	0	0	8	10	0	0
Pacific Contiguous	**0**	**105**	**0**	**3**	**0**	**0**	**0**
California	0	37	0	4	0	0	0
Oregon	0	0	0	41	0	0	0
Washington	0	134	0	5	0	0	0
Pacific Noncontiguous	**0**	**3**	**0**	**0**	**0**	**0**	**107**
Alaska	0	9	0	0	0	0	0
Hawaii	0	0	0	0	0	0	107
U.S. Total	**3**	**11**	**18**	**2**	**8**	**0**	**19**

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

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

Industrial Sector by Census Division and State, March 2024 (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**	**103**	**10**	**0**	**0**	**7**
Connecticut	0	0	0	170	170	0	0	11
Maine	0	0	0	0	10	0	0	10
Massachusetts	0	0	0	90	164	0	0	22
New Hampshire	0	0	0	0	0	0	0	0
Rhode Island	0	0	0	0	0	0	0	31
Middle Atlantic	**0**	**0**	**0**	**63**	**10**	**0**	**0**	**5**
New Jersey	0	0	0	122	122	0	0	7
New York	0	0	0	100	24	0	0	6
Pennsylvania	0	0	0	101	11	0	0	6
East North Central	**0**	**0**	**0**	**0**	**9**	**0**	**0**	**5**
Illinois	0	0	0	0	0	0	0	5
Indiana	0	0	0	0	45	0	0	10
Michigan	0	0	0	0	13	0	0	10
Ohio	0	0	0	0	23	0	0	11
Wisconsin	0	0	0	0	11	0	0	9
West North Central	**0**	**0**	**0**	**43**	**5**	**0**	**0**	**4**
Iowa	0	0	0	0	0	0	0	3
Kansas	0	0	0	0	155	0	0	32
Minnesota	0	0	0	43	4	0	0	8
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	9
North Dakota	0	0	0	0	0	0	0	44
South Dakota	0	0	0	0	84	0	0	52
South Atlantic	**0**	**0**	**0**	**92**	**4**	**0**	**1**	**3**
Delaware	0	0	0	0	70	0	0	2
Florida	0	0	0	146	8	0	1	9
Georgia	0	0	0	0	7	0	0	7
Maryland	0	0	0	0	0	0	0	0
North Carolina	0	0	0	0	9	0	0	10
South Carolina	0	0	0	119	4	0	0	4
Virginia	0	0	0	0	0	0	0	5
West Virginia	0	0	0	0	0	0	0	12
East South Central	**0**	**0**	**0**	**0**	**5**	**0**	**0**	**5**
Alabama	0	0	0	0	6	0	0	8
Kentucky	0	0	0	0	25	0	0	15
Mississippi	0	0	0	0	6	0	0	10
Tennessee	0	0	0	0	0	0	0	5
West South Central	**0**	**0**	**0**	**79**	**7**	**0**	**10**	**2**
Arkansas	0	0	0	146	10	0	0	13
Louisiana	0	0	0	0	9	0	22	3
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	93	16	0	9	3
Mountain	**0**	**0**	**0**	**46**	**7**	**0**	**0**	**4**
Arizona	0	0	0	82	82	0	0	82
Colorado	0	0	0	82	73	0	0	8
Idaho	0	0	0	156	1	0	0	9
Montana	0	0	0	0	0	0	0	97
Nevada	0	0	0	76	76	0	0	2
New Mexico	0	0	0	0	0	0	0	0
Utah	0	0	0	164	164	0	0	3
Wyoming	0	0	0	0	0	0	0	7
Pacific Contiguous	**0**	**0**	**0**	**21**	**10**	**0**	**7**	**3**
California	0	0	0	21	13	0	7	3
Oregon	0	0	0	0	18	0	0	17
Washington	0	0	0	0	15	0	0	7
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**22**
Alaska	0	0	0	0	0	0	0	4
Hawaii	0	0	0	0	0	0	0	35
U.S. Total	**0**	**0**	**0**	**16**	**3**	**0**	**2**	**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 March 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**27**	**0**	**9**	**0**	**0**	**67**
Connecticut	0	210	0	11	0	0	0
Maine	0	6	0	35	0	0	67
Massachusetts	0	86	0	19	0	0	0
New Hampshire	0	0	0	0	0	0	0
Rhode Island	0	0	0	31	0	0	0
Middle Atlantic	**0**	**4**	**0**	**4**	**61**	**0**	**21**
New Jersey	0	0	0	10	0	0	0
New York	0	3	0	6	0	0	21
Pennsylvania	0	7	0	5	140	0	0
East North Central	**8**	**11**	**0**	**5**	**26**	**0**	**42**
Illinois	0	0	0	12	0	0	0
Indiana	0	52	0	7	34	0	0
Michigan	235	0	0	15	0	0	219
Ohio	0	0	0	20	0	0	0
Wisconsin	56	15	0	11	0	0	41
West North Central	**5**	**7**	**0**	**10**	**0**	**0**	**0**
Iowa	2	75	0	9	0	0	0
Kansas	0	0	0	33	0	0	0
Minnesota	56	0	0	17	0	0	0
Missouri	0	0	0	0	0	0	0
Nebraska	9	0	0	0	0	0	0
North Dakota	68	0	0	0	0	0	0
South Dakota	0	0	0	66	0	0	0
South Atlantic	**4**	**27**	**278**	**9**	**0**	**0**	**26**
Delaware	0	0	0	0	0	0	0
Florida	0	92	0	20	0	0	0
Georgia	9	31	278	27	0	0	180
Maryland	0	0	0	0	0	0	0
North Carolina	6	143	0	61	0	0	514
South Carolina	0	0	0	27	0	0	0
Virginia	0	184	0	12	0	0	0
West Virginia	0	0	0	0	0	0	25
East South Central	**0**	**201**	**0**	**12**	**36**	**0**	**0**
Alabama	0	292	0	23	1,960	0	0
Kentucky	0	0	0	0	0	0	0
Mississippi	0	0	0	30	0	0	0
Tennessee	0	0	0	8	0	0	0
West South Central	**0**	**43**	**0**	**2**	**8**	**0**	**0**
Arkansas	0	1,279	0	59	0	0	0
Louisiana	0	0	0	3	11	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	10	0	3	9	0	0
Mountain	**26**	**0**	**0**	**4**	**10**	**0**	**0**
Colorado	0	0	0	0	0	0	0
Idaho	296	0	0	28	0	0	0
Montana	320	0	0	666	0	0	0
Nevada	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0
Utah	0	0	0	0	0	0	0
Wyoming	26	0	0	8	10	0	0
Pacific Contiguous	**0**	**105**	**0**	**3**	**0**	**0**	**0**
California	0	37	0	4	0	0	0
Oregon	0	0	0	41	0	0	0
Washington	0	134	0	5	0	0	0
Pacific Noncontiguous	**0**	**3**	**0**	**0**	**0**	**0**	**107**
Alaska	0	9	0	0	0	0	0
Hawaii	0	0	0	0	0	0	107
U.S. Total	**3**	**11**	**18**	**2**	**8**	**0**	**19**

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

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

Industrial Sector by Census Division and State, Year-to-Date through March 2024 (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**	**103**	**10**	**0**	**0**	**7**
Connecticut	0	0	0	170	170	0	0	11
Maine	0	0	0	0	10	0	0	10
Massachusetts	0	0	0	90	164	0	0	22
New Hampshire	0	0	0	0	0	0	0	0
Rhode Island	0	0	0	0	0	0	0	31
Middle Atlantic	**0**	**0**	**0**	**63**	**10**	**0**	**0**	**5**
New Jersey	0	0	0	122	122	0	0	7
New York	0	0	0	100	24	0	0	6
Pennsylvania	0	0	0	101	11	0	0	6
East North Central	**0**	**0**	**0**	**0**	**9**	**0**	**0**	**5**
Illinois	0	0	0	0	0	0	0	5
Indiana	0	0	0	0	45	0	0	10
Michigan	0	0	0	0	13	0	0	10
Ohio	0	0	0	0	23	0	0	11
Wisconsin	0	0	0	0	11	0	0	9
West North Central	**0**	**0**	**0**	**43**	**5**	**0**	**0**	**4**
Iowa	0	0	0	0	0	0	0	3
Kansas	0	0	0	0	155	0	0	32
Minnesota	0	0	0	43	4	0	0	8
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	9
North Dakota	0	0	0	0	0	0	0	44
South Dakota	0	0	0	0	84	0	0	52
South Atlantic	**0**	**0**	**0**	**92**	**4**	**0**	**1**	**3**
Delaware	0	0	0	0	70	0	0	2
Florida	0	0	0	146	8	0	1	9
Georgia	0	0	0	0	7	0	0	7
Maryland	0	0	0	0	0	0	0	0
North Carolina	0	0	0	0	9	0	0	10
South Carolina	0	0	0	119	4	0	0	4
Virginia	0	0	0	0	0	0	0	5
West Virginia	0	0	0	0	0	0	0	12
East South Central	**0**	**0**	**0**	**0**	**5**	**0**	**0**	**5**
Alabama	0	0	0	0	6	0	0	8
Kentucky	0	0	0	0	25	0	0	15
Mississippi	0	0	0	0	6	0	0	10
Tennessee	0	0	0	0	0	0	0	5
West South Central	**0**	**0**	**0**	**79**	**7**	**0**	**10**	**2**
Arkansas	0	0	0	146	10	0	0	13
Louisiana	0	0	0	0	9	0	22	3
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	93	16	0	9	3
Mountain	**0**	**0**	**0**	**46**	**7**	**0**	**0**	**4**
Arizona	0	0	0	82	82	0	0	82
Colorado	0	0	0	82	73	0	0	8
Idaho	0	0	0	156	1	0	0	9
Montana	0	0	0	0	0	0	0	97
Nevada	0	0	0	76	76	0	0	2
New Mexico	0	0	0	0	0	0	0	0
Utah	0	0	0	164	164	0	0	3
Wyoming	0	0	0	0	0	0	0	7
Pacific Contiguous	**0**	**0**	**0**	**21**	**10**	**0**	**7**	**3**
California	0	0	0	21	13	0	7	3
Oregon	0	0	0	0	18	0	0	17
Washington	0	0	0	0	15	0	0	7
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**22**
Alaska	0	0	0	0	0	0	0	4
Hawaii	0	0	0	0	0	0	0	35
U.S. Total	**0**	**0**	**0**	**16**	**3**	**0**	**2**	**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, March 2024

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**1**	**0**	**2**	**0**	**1**
Connecticut	1	1	3	0	1
Maine	2	1	1	0	1
Massachusetts	2	1	4	0	1
New Hampshire	2	1	2	0	1
Rhode Island	0	0	0	0	0
Vermont	9	5	6	0	4
Middle Atlantic	**1**	**0**	**1**	**0**	**0**
New Jersey	1	0	1	0	0
New York	1	0	1	0	0
Pennsylvania	2	1	1	0	1
East North Central	**1**	**1**	**1**	**0**	**1**
Illinois	2	1	1	0	1
Indiana	4	2	2	0	2
Michigan	1	4	2	0	2
Ohio	2	1	1	0	1
Wisconsin	1	8	3	0	3
West North Central	**2**	**4**	**2**	**0**	**2**
Iowa	2	16	3	0	4
Kansas	13	8	6	0	5
Minnesota	2	10	4	0	4
Missouri	5	2	5	0	2
Nebraska	2	16	4	0	5
North Dakota	2	7	3	0	3
South Dakota	3	19	7	0	7
South Atlantic	**3**	**1**	**1**	**0**	**1**
Delaware	4	1	6	0	2
District of Columbia	0	0	0	0	0
Florida	4	3	4	0	2
Georgia	9	4	3	0	4
Maryland	1	0	2	0	1
North Carolina	7	4	3	0	3
South Carolina	10	5	2	0	4
Virginia	5	1	3	0	2
West Virginia	1	1	0	0	0
East South Central	**4**	**3**	**1**	**0**	**2**
Alabama	10	7	2	0	4
Kentucky	5	3	2	0	2
Mississippi	14	10	4	0	6
Tennessee	4	3	3	0	2
West South Central	**5**	**5**	**1**	**0**	**2**
Arkansas	12	9	3	0	5
Louisiana	10	6	2	0	3
Oklahoma	11	6	3	0	4
Texas	6	7	1	0	3
Mountain	**1**	**1**	**1**	**0**	**1**
Arizona	2	0	1	0	1
Colorado	4	1	2	0	2
Idaho	1	10	3	0	3
Montana	2	15	4	0	4
Nevada	2	0	0	0	1
New Mexico	7	1	2	0	2
Utah	5	1	1	0	2
Wyoming	2	13	2	0	3
Pacific Contiguous	**1**	**2**	**2**	**0**	**1**
California	1	0	1	0	0
Oregon	1	8	5	0	3
Washington	1	9	5	0	3
Pacific Noncontiguous	**1**	**10**	**3**	**0**	**4**
Alaska	3	20	9	0	9
Hawaii	0	0	0	0	0
U.S. Total	**1**	**1**	**0**	**0**	**1**

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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 March 2024

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

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Table A.7.A. Relative Standard Error for Revenue from Sales of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, March 2024

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

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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 March 2024

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**1**	**1**	**1**	**0**	**0**
Connecticut	2	2	1	0	1
Maine	1	1	0	0	1
Massachusetts	1	1	1	0	1
New Hampshire	1	1	1	0	1
Rhode Island	1	0	0	0	0
Vermont	5	4	3	0	3
Middle Atlantic	**1**	**1**	**2**	**0**	**1**
New Jersey	1	3	1	0	2
New York	0	0	1	0	0
Pennsylvania	1	2	3	0	1
East North Central	**1**	**1**	**0**	**0**	**0**
Illinois	2	1	1	0	1
Indiana	3	2	1	0	1
Michigan	1	1	1	0	0
Ohio	1	1	1	0	1
Wisconsin	1	1	2	0	1
West North Central	**2**	**1**	**1**	**0**	**1**
Iowa	2	3	2	0	1
Kansas	10	3	4	0	4
Minnesota	1	2	2	0	1
Missouri	4	2	2	0	2
Nebraska	2	3	3	0	1
North Dakota	2	2	1	0	1
South Dakota	2	3	4	0	2
South Atlantic	**2**	**1**	**1**	**0**	**1**
Delaware	3	15	4	0	6
District of Columbia	5	1	0	0	1
Florida	3	1	3	0	2
Georgia	6	2	3	0	3
Maryland	1	1	1	0	1
North Carolina	4	2	2	0	3
South Carolina	7	2	2	0	4
Virginia	3	1	2	0	2
West Virginia	1	1	0	0	0
East South Central	**3**	**1**	**1**	**0**	**1**
Alabama	6	2	2	0	3
Kentucky	4	3	1	0	2
Mississippi	10	4	3	0	5
Tennessee	3	2	2	0	2
West South Central	**3**	**4**	**1**	**0**	**2**
Arkansas	8	4	2	0	4
Louisiana	7	2	2	0	3
Oklahoma	9	3	3	0	4
Texas	4	5	1	0	2
Mountain	**1**	**0**	**1**	**0**	**0**
Arizona	1	0	1	0	1
Colorado	3	1	2	0	1
Idaho	1	2	2	0	1
Montana	2	2	2	0	1
Nevada	1	0	1	0	0
New Mexico	5	2	3	0	2
Utah	4	1	1	0	2
Wyoming	2	3	2	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	3	3	0	2
Hawaii	0	0	0	0	0
U.S. Total	**1**	**0**	**0**	**0**	**0**

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Table A.8.A. Relative Standard Error for Average Price of Electricity to Ultimate Customers by End-Use Sector, Census Division, and State, March 2024

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

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

by End-Use Sector, Census Division, and State, Year-to-Date through March 2024

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

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Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2024

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
2024	1	01/01/2024 1:55 PM	01/01/2024 2:05 PM	0 Hours, 10 Minutes	LUMA Energy	N/A	Puerto Rico:	System-wide voltage reductions of 3 percent or more. Firm load shedding of 100 Megawatts or more implemented under emergency operational policy-- Generator loss or failure	40	89245
2024	1	01/02/2024 3:05 PM	01/02/2024 3:13 PM	0 Hours, 8 Minutes	LUMA Energy	N/A	Puerto Rico:	System-wide voltage reductions of 3 percent or more-- Generator loss or failure	50	64131
2024	1	01/04/2024 5:21 PM	01/04/2024 5:35 PM	0 Hours, 14 Minutes	LUMA Energy	N/A	Puerto Rico:	System-wide voltage reductions of 3 percent or more-- Generator loss or failure	0	0
2024	1	01/05/2024 12:29 AM	01/05/2024 1:06 AM	0 Hours, 37 Minutes	LUMA Energy	N/A	Puerto Rico:	Uncontrolled loss of 300 Megawatts or more of firm system loads for 15 minutes or more from a single incident. Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-- Generator loss or failure	300	161194
2024	1	01/05/2024 4:03 PM	01/05/2024 4:14 PM	0 Hours, 11 Minutes	LUMA Energy	N/A	Puerto Rico:	System-wide voltage reductions of 3 percent or more. Firm load shedding of 100 Megawatts or more implemented under emergency operational policy-- Generator loss or failure	130	52423
2024	1	01/05/2024 6:35 PM	01/05/2024 7:04 PM	0 Hours, 29 Minutes	LUMA Energy	N/A	Puerto Rico:	System-wide voltage reductions of 3 percent or more. Firm load shedding of 100 Megawatts or more implemented under emergency operational policy-- Generator loss or failure	95	79445
2024	1	01/08/2024 6:05 AM	01/08/2024 6:15 AM	0 Hours, 10 Minutes	LUMA Energy	N/A	Puerto Rico:	System-wide voltage reductions of 3 percent or more. Firm load shedding of 100 Megawatts or more implemented under emergency operational policy-- Generator loss or failure	170	89245
2024	1	01/08/2024 9:00 AM	01/08/2024 9:01 AM	0 Hours, 1 Minutes	Georgia Transmission Corporation	SERC	Georgia: Fulton County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Suspicious activity	0	0
2024	1	01/09/2024 12:45 AM	01/10/2024 4:41 PM	39 Hours, 56 Minutes	Puget Sound Energy	WECC	Washington: King County, Thurston County, Pierce County, Kittitas County, Kitsap County, Island County, Skagit County, Whatcom County;	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	Unknown	75180
2024	1	01/09/2024 4:00 AM	01/10/2024 1:19 PM	33 Hours, 19 Minutes	Southern Company	SERC	Alabama: Georgia: Mississippi:	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	15	2131
2024	1	01/09/2024 1:34 PM	. .	. Hours, . Minutes	Duke Energy Carolinas	SERC	North Carolina: South Carolina:	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	Unknown	108718
2024	1	01/09/2024 1:34 PM	01/09/2024 8:56 PM	7 Hours, 22 Minutes	Duke Energy Carolinas	SERC	North Carolina: South Carolina:	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	Unknown	109212
2024	1	01/09/2024 4:00 PM	01/09/2024 5:00 PM	1 Hours, 0 Minutes	Exelon Corporation/PECO	RF	Pennsylvania: Chester County, Delaware County;	Cyber event that could potentially impact electric power system adequacy or reliability-- Weather or natural disaster	Unknown	130000
2024	1	01/09/2024 5:35 PM	01/09/2024 11:25 PM	5 Hours, 50 Minutes	Duke Energy Progress	SERC	North Carolina:	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	7209	151386
2024	1	01/09/2024 7:03 PM	01/14/2024 11:26 AM	112 Hours, 23 Minutes	Detroit Edison Co	RF	Michigan:	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	Unknown	172481
2024	1	01/09/2024 9:40 PM	01/11/2024 8:00 PM	46 Hours, 20 Minutes	National Grid	NPCC	New York:	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	Unknown	96000
2024	1	01/10/2024 7:05 AM	01/11/2024 7:30 AM	24 Hours, 25 Minutes	ISO New England	NPCC	Connecticut: Massachusetts: Maine: Rhode Island: Vermont: New Hampshire:	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	Unknown	91000
2024	1	01/11/2024 1:01 AM	01/11/2024 1:10 AM	0 Hours, 9 Minutes	LUMA Energy	N/A	Puerto Rico:	System-wide voltage reductions of 3 percent or more. Firm load shedding of 100 Megawatts or more implemented under emergency operational policy-- Generator loss or failure	250	142296
2024	1	01/11/2024 6:40 PM	01/11/2024 8:24 PM	1 Hours, 44 Minutes	LUMA Energy	N/A	Puerto Rico:	System-wide voltage reductions of 3 percent or more-- Other	0	0
2024	1	01/12/2024 7:00 AM	. .	. Hours, . Minutes	ComEd	SERC	Illinois: Cook County, Winnebago County, Will County, DeKalb County, DuPage County, Kane County, Boone County, McHenry County, Lake County;	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	Unknown	186778
2024	1	01/12/2024 7:03 PM	01/14/2024 11:26 AM	40 Hours, 23 Minutes	Detroit Edison Co	RF	Michigan:	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	Unknown	172481

Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2024

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
2024	1	01/12/2024 8:38 PM	. .	. Hours, . Minutes	WEC Energy Group (WEPCO, WPSC, UMERC, WEP-MIUP)	MRO	Wisconsin: Milwaukee County, Waukesha County, Washington County, Ozaukee County, Racine County, Kenosha County, Dodge County, Jefferson County;	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	200	250000
2024	1	01/13/2024 12:43 AM	01/14/2024 5:00 PM	40 Hours, 17 Minutes	Consumers Energy Co	RF	Michigan: Leelanau County, Oscoda County, Ogemaw County, Alcona County, Iosco County, Arenac County, Gladwin County, Midland County, Clare County, Mecosta County, Montcalm County, Saginaw County, Shiawassee County, Clinton County, Genesee County, Ingham County, Jackson County, Hillsdale County, Lenawee County, Eaton County, Barry County, Branch County, Calhoun County, St. Joseph County, Kalamazoo	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	Unknown	175488
2024	1	01/13/2024 10:50 AM	01/15/2024 6:00 PM	55 Hours, 10 Minutes	Portland General Electric Co	WECC	Oregon: Multnomah County, Clackamas County, Washington County, Yamhill County, Hood River County;	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	4031	165000
2024	1	01/14/2024 3:00 PM	. .	. Hours, . Minutes	PPL Electric Utilities Corp	RF	Pennsylvania:	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	Unknown	50000
2024	1	01/18/2024 2:30 PM	01/18/2024 2:35 PM	0 Hours, 5 Minutes	American Electric Power (Regulated Generation)	RF	Indiana: Spencer County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Suspicious activity	0	0
2024	1	01/18/2024 6:06 PM	01/19/2024 9:45 PM	27 Hours, 39 Minutes	Portland General Electric Co	WECC	Oregon: Clackamas County, Multnomah County, Polk County, Washington County, Yamhill County;	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	3744	116998
2024	1	01/19/2024 7:01 AM	01/19/2024 7:16 AM	0 Hours, 15 Minutes	LUMA Energy	N/A	Puerto Rico:	System-wide voltage reductions of 3 percent or more-- Fuel supply emergency - Generator loss or failure	0	0
2024	1	01/22/2024 4:57 AM	01/22/2024 7:54 AM	2 Hours, 57 Minutes	LCRA TSC	RE	Texas: Bastrop County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Suspicious activity	0	0
2024	1	01/23/2024 6:22 PM	01/23/2024 7:15 PM	0 Hours, 53 Minutes	Constellation Energy Generation, LLC	RF	Maryland: Calvert County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Suspicious activity	0	0
2024	1	01/25/2024 2:14 PM	01/25/2024 2:42 PM	0 Hours, 28 Minutes	LUMA Energy	N/A	Puerto Rico:	System-wide voltage reductions of 3 percent or more. Firm load shedding of 100 Megawatts or more implemented under emergency operational policy-- Generator loss or failure - Transmission equipment failure	154	156859
2024	1	01/26/2024 4:00 AM	01/26/2024 4:30 AM	0 Hours, 30 Minutes	Apex Generating Station	WECC	Nevada: Clark County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Vandalism - Theft	0	0
2024	1	01/29/2024 8:27 AM	01/29/2024 8:37 AM	0 Hours, 10 Minutes	LUMA Energy	N/A	Puerto Rico:	System-wide voltage reductions of 3 percent or more. Firm load shedding of 100 Megawatts or more implemented under emergency operational policy-- Generator loss or failure	20	58680
2024	1	01/31/2024 3:57 AM	01/31/2024 4:02 AM	0 Hours, 5 Minutes	LUMA Energy	N/A	Puerto Rico:	System-wide voltage reductions of 3 percent or more-Alert	24	Unknown
2024	2	02/02/2024 6:13 AM	02/02/2024 6:34 AM	0 Hours, 21 Minutes	LUMA Energy	N/A	Puerto Rico	System-wide voltage reductions of 3 percent or more-- Other	0	0
2024	2	02/02/2024 12:38 PM	02/02/2024 1:25 PM	0 Hours, 47 Minutes	ISO New England	NPCC	Connecticut, Massachusetts, Maine, Rhode Island, Vermont, New Hampshire	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.-- Unknown	0	0
2024	2	02/02/2024 1:25 PM	02/02/2024 1:26 PM	0 Hours, 1 Minutes	Constellation Energy Generation, LLC	SERC	Illinois	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility-- Suspicious activity	0	0
2024	2	02/04/2024 7:37 AM	02/04/2024 9:20 AM	1 Hours, 43 Minutes	LUMA Energy	N/A	Puerto Rico	System-wide voltage reductions of 3 percent or more-- Generator loss or failure	90	115374
2024	2	02/04/2024 2:00 PM	02/04/2024 3:59 PM	1 Hours, 59 Minutes	Sacramento Municipal Utility District	WECC	California	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster - Other	Unknown	167000
2024	2	02/04/2024 2:00 PM	02/05/2024 3:00 AM	13 Hours, 0 Minutes	Sacramento Municipal Utility District	WECC	California	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	1230	200000

Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2024

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
2024	2	02/05/2024 6:30 PM	02/05/2024 6:31 PM	0 Hours, 1 Minutes	Constellation Energy Generation, LLC	SERC	Illinois	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility-- Suspicious activity	0	0
2024	2	02/06/2024 7:15 PM	02/06/2024 7:16 PM	0 Hours, 1 Minutes	Constellation Energy Generation, LLC	SERC	Illinois	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility-- Suspicious activity	0	0
2024	2	02/07/2024 11:01 AM	02/07/2024 11:06 AM	0 Hours, 5 Minutes	LUMA Energy	N/A	Puerto Rico	System-wide voltage reductions of 3 percent or more-- Generator loss or failure	10	0
2024	2	02/07/2024 10:10 PM	02/07/2024 10:34 PM	0 Hours, 24 Minutes	LUMA Energy	N/A	Puerto Rico	System-wide voltage reductions of 3 percent or more-- Generator loss or failure	Unknown	Unknown
2024	2	02/08/2024 12:45 PM	02/08/2024 1:45 PM	1 Hours, 0 Minutes	Lafayette Public Power Auth	SERC	Louisiana	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.-- Other	200	0
2024	2	02/13/2024 8:00 AM	. .	. Hours, . Minutes	PPL Electric Utilities Corp	RF	Pennsylvania	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	Unknown	100000
2024	2	02/13/2024 8:56 AM	02/13/2024 12:40 PM	3 Hours, 44 Minutes	PPL Electric Utilities Corp	RF	Pennsylvania	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	Unknown	165000
2024	2	02/20/2024 8:04 PM	02/20/2024 8:55 PM	0 Hours, 51 Minutes	CenterPoint Energy Houston Electric, LLC	Texas RE	Texas	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility-- Suspicious activity	0	0
2024	2	02/22/2024 12:10 AM	02/22/2024 1:10 AM	1 Hours, 0 Minutes	Minnesota Power	MRO	Minnesota	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.-- Unknown	0	0
2024	2	02/28/2024 2:19 PM	02/28/2024 2:35 PM	0 Hours, 16 Minutes	LUMA Energy	Unknown	Puerto Rico:	System-wide voltage reductions of 3 percent or more-- Generator loss or failure - Other	75	66403
2024	2	02/28/2024 9:30 PM	. .	. Hours, . Minutes	National Grid	NPCC	New York	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	Unknown	76076
2024	2	02/28/2024 11:35 PM	02/29/2024 8:50 AM	9 Hours, 15 Minutes	ISO New England	NPCC	Connecticut, Massachusetts, Maine, Rhode Island, Vermont, New Hampshire	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	Unknown	50000
2024	2	02/29/2024 12:00 PM	02/29/2024 12:01 PM	0 Hours, 1 Minutes	Bethlehem Energy Center	NPCC	New York: Albany County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Unknown	Unknown	Unknown
2024	3	03/04/2024 4:17 PM	03/04/2024 4:30 PM	0 Hours, 13 Minutes	LUMA Energy	Unknown	Puerto Rico:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-- Generator loss or failure	80	90104
2024	3	03/06/2024 9:30 PM	03/06/2024 9:31 PM	0 Hours, 1 Minutes	Constellation Energy Generation, LLC	SERC	Illinois: De Witt County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Suspicious activity	0	0
2024	3	03/08/2024 6:45 AM	03/08/2024 6:53 AM	0 Hours, 8 Minutes	LUMA Energy	Unknown	Puerto Rico:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-- Generator loss or failure	115	87196
2024	3	03/08/2024 6:45 AM	03/08/2024 6:58 AM	0 Hours, 13 Minutes	LUMA Energy	Unknown	Puerto Rico:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy.-- Generator loss or failure	Unknown	Unknown
2024	3	03/10/2024 10:55 AM	03/11/2024 4:00 AM	17 Hours, 5 Minutes	ISO New England	NPCC	Connecticut: Massachusetts: Maine: Rhode Island: Vermont: New Hampshire:	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	Unknown	60755
2024	3	03/12/2024 5:28 AM	03/12/2024 5:30 AM	0 Hours, 2 Minutes	Constellation Energy Generation, LLC	SERC	Illinois: De Witt County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Suspicious activity	0	0
2024	3	03/13/2024 4:39 PM	03/13/2024 5:05 PM	0 Hours, 26 Minutes	LUMA Energy	Unknown	Puerto Rico:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy/System-wide voltage reductions of 3 percent or more-- Generator loss or failure	100	90664
2024	3	03/13/2024 4:40 PM	03/13/2024 5:05 PM	0 Hours, 25 Minutes	LUMA Energy	Unknown	Puerto Rico:	System-wide voltage reductions of 3 percent or more-- Generator loss or failure	Unknown	Unknown

Table B.1 Major Disturbances and Unusual Occurrences, Year-to-Date 2024

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
2024	3	03/14/2024 8:53 AM	03/14/2024 9:08 AM	0 Hours, 15 Minutes	LUMA Energy	Unknown	Puerto Rico:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy/System-wide voltage reductions of 3 percent or more-- Generator loss or failure	228	Unknown
2024	3	03/15/2024 10:00 AM	03/15/2024 10:13 AM	0 Hours, 13 Minutes	LUMA Energy	Unknown	Puerto Rico:	System-wide voltage reductions of 3 percent or more-- Generator loss or failure	30	70361
2024	3	03/22/2024 1:12 AM	03/22/2024 4:49 PM	15 Hours, 37 Minutes	CenterPoint Energy	Texas RE	Texas: Harris County;	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	Unknown	125077
2024	3	03/23/2024 5:22 PM	. .	. Hours, . Minutes	National Grid	NPCC	New York:	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	Unknown	88134
2024	3	03/23/2024 9:40 PM	03/26/2024 4:00 AM	54 Hours, 20 Minutes	ISO New England	NPCC	Connecticut: Massachusetts: Maine: Rhode Island: Vermont: New Hampshire:	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	Unknown	110000
2024	3	03/25/2024 11:21 AM	03/25/2024 6:53 PM	7 Hours, 32 Minutes	CenterPoint Energy Houston Electric, LLC	Texas RE	Texas: Harris County;	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.-- Unknown	0	0
2024	3	03/26/2024 1:18 PM	03/26/2024 2:02 PM	0 Hours, 44 Minutes	Central Maine Power Company	NPCC	Maine:	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.-- Other	0	0
2024	3	03/29/2024 8:41 PM	03/29/2024 9:14 PM	0 Hours, 33 Minutes	LUMA Energy	Unknown	Puerto Rico:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy/System-wide voltage reductions of 3 percent or more-Unknown	215	Unknown
2024	3	03/30/2024 3:20 PM	03/30/2024 3:33 PM	0 Hours, 13 Minutes	LUMA Energy	Unknown	Puerto Rico:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy/System-wide voltage reductions of 3 percent or more-- Fuel supply emergency	Unknown	Unknown
2024	3	03/30/2024 5:55 PM	03/30/2024 6:05 PM	0 Hours, 10 Minutes	LUMA Energy	Unknown	Puerto Rico:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy/System-wide voltage reductions of 3 percent or more-Unknown	163	Unknown
2024	3	03/30/2024 6:30 PM	03/30/2024 11:17 PM	4 Hours, 47 Minutes	LUMA Energy	Unknown	Puerto Rico:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy/System-wide voltage reductions of 3 percent or more-- Generator loss or failure	Unknown	Unknown

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, 2023

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
2023	1	01/01/2023 9:55 AM	01/01/2023 10:30 AM	0 Hours, 35 Minutes	Western Area Power Administration - Sierra Nevada Region (114 Parkshore Dr. Folsom, CA. 95630)	WECC	California: Sacramento County;	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
2023	1	01/05/2023 7:30 AM	01/05/2023 9:30 AM	2 Hours, 0 Minutes	Bonneville Power Administration	WECC	Washington: Lewis County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Suspicious Activity	0	0
2023	1	01/05/2023 8:19 AM	01/05/2023 8:20 AM	0 Hours, 1 Minutes	Entergy - Transmission Operations Engineering	SERC	Louisiana: Concordia Parish;	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	23	1631
2023	1	01/06/2023 9:30 AM	01/06/2023 11:30 AM	2 Hours, 0 Minutes	American Mun Power-Ohio, Inc	RF	Ohio: Sandusky County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Suspicious Activity	Unknown	Unknown
2023	1	01/07/2023 10:00 PM	01/08/2023 9:00 PM	23 Hours, 0 Minutes	Sacramento Municipal Util Dist	WECC	California: Sacramento County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	458	185434
2023	1	01/12/2023 10:00 AM	. .	. Hours, . Minutes	Sacramento Municipal Util Dist	WECC	California: Sacramento County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Suspicious Activity	0	0
2023	1	01/12/2023 2:00 PM	01/13/2023 3:00 AM	13 Hours, 0 Minutes	Southern Company	SERC	Alabama: Georgia:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	1158	162000
2023	1	01/13/2023 12:00 AM	01/13/2023 1:00 AM	1 Hours, 0 Minutes	Lower Colorado River Authority	TRE	Texas: Fayette County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Suspicious Activity	0	0
2023	1	01/19/2023 11:00 AM	01/19/2023 1:00 PM	2 Hours, 0 Minutes	Duke Energy Progress	SERC	South Carolina: Sumter County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Suspicious Activity	Unknown	Unknown
2023	1	01/23/2023 7:05 AM	01/24/2023 5:17 PM	34 Hours, 12 Minutes	ISO New England	NPCC	Connecticut: Rhode Island: Massachusetts: Vermont: New Hampshire: Maine:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	41000
2023	1	01/23/2023 9:21 AM	. .	. Hours, . Minutes	Sacramento Municipal Util Dist	WECC	California: Sacramento County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Suspicious Activity	Unknown	Unknown
2023	1	01/23/2023 5:00 PM	. .	. Hours, . Minutes	Sacramento Municipal Util Dist	WECC	California: Sacramento County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Suspicious Activity	Unknown	Unknown
2023	1	01/24/2023 3:25 PM	01/26/2023 8:20 PM	52 Hours, 55 Minutes	CenterPoint Energy	TRE	Texas: Harris County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	100731
2023	1	01/24/2023 5:10 PM	01/24/2023 5:20 PM	0 Hours, 10 Minutes	Ravenswood Generating Station	NPCC	New York: Queens County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Suspicious Activity	0	0
2023	1	01/25/2023 3:30 AM	01/25/2023 1:00 PM	9 Hours, 30 Minutes	Entergy Corp	SERC	Arkansas: Texas: Louisiana: Mississippi:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	60958
2023	1	01/25/2023 3:57 PM	01/25/2023 5:38 PM	1 Hours, 41 Minutes	Brownsville Public Utilities Board	TRE	Texas: Cameron County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Suspicious Activity	0	0
2023	1	01/30/2023 10:30 AM	. .	. Hours, . Minutes	Onward Energy	MRO	Minnesota:	Physical threat to its Bulk Electric System control center, excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the control center. Or suspicious device or activity at its Bulk Electric System control center.-Suspicious Activity	Unknown	Unknown

Table B.2 Major Disturbances and Unusual Occurrences, 2023

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
2023	1	01/31/2023 8:15 AM	02/06/2023 5:00 PM	152 Hours, 45 Minutes	Oncor Electric Delivery Company LLC	TRE	Texas: Dallas County, Anderson County, Bosque County, Collin County, Comanche County, Cooke County, Delta County, Denton County, Ellis County, Erath County, Fannin County, Freestone County, Hamilton County, Henderson County, Hill County, Hood County, Hopkins County, Hunt County, Jack County, Johnson County, Kaufman County, Lamar County, Navarro County, Palo Pinto County, Parker County, Rains County	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	360000
2023	2	02/01/2023 5:00 AM	02/04/2023 10:39 PM	89 Hours, 39 Minutes	Austin Energy	TRE	Texas: Travis County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	370	173879
2023	2	02/02/2023 8:15 AM	02/02/2023 7:45 PM	11 Hours, 30 Minutes	Entergy Corp	SERC	Arkansas: Mississippi: Texas:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	74426
2023	2	02/02/2023 11:00 AM	. .	. Hours, . Minutes	Tenaska Pennsylvania Partners, LLC.	RF	Pennsylvania: Westmoreland County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Suspicious Activity	0	0
2023	2	02/02/2023 2:37 PM	02/02/2023 2:47 PM	0 Hours, 10 Minutes	Old Dominion Electric Coop	RF	Maryland: Cecil County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Suspicious Activity	0	0
2023	2	02/06/2023 10:00 AM	02/06/2023 10:02 AM	0 Hours, 2 Minutes	Baltimore Gas and Electric	RF	Maryland:	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Suspicious Activity	0	0
2023	2	02/07/2023 6:15 AM	02/07/2023 6:20 AM	0 Hours, 5 Minutes	Exelon Corporation / Commonwealth Edison Company (ComEd) NCR08013	SERC	Illinois: DuPage County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Suspicious Activity	0	0
2023	2	02/07/2023 8:30 AM	. .	. Hours, . Minutes	Ravenswood Generating Station	NPCC	New York: Queens County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Suspicious Activity	0	0
2023	2	02/08/2023 1:30 PM	02/08/2023 2:00 PM	0 Hours, 30 Minutes	Hickory Run Energy, LLC	RF	Pennsylvania: Lawrence County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Suspicious Activity	0	0
2023	2	02/15/2023 2:25 PM	02/15/2023 2:30 PM	0 Hours, 5 Minutes	Seminole Electric Cooperative Inc	SERC	Florida: Clay County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Suspicious Activity	0	0
2023	2	02/18/2023 12:00 AM	02/18/2023 12:05 AM	0 Hours, 5 Minutes	Oklahoma Municipal Power Authority	MRO	Oklahoma: Kay County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Suspicious Activity	0	0
2023	2	02/21/2023 9:45 AM	. .	. Hours, . Minutes	Brownsville Public Utilities Board	TRE	Texas: Cameron County;	Cyber event that could potentially impact electric power system adequacy or reliability-Cyber Event	0	0
2023	2	02/22/2023 4:00 PM	02/22/2023 4:01 PM	0 Hours, 1 Minutes	Otter Tail Power Co	MRO	South Dakota:	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Suspicious Activity	0	0
2023	2	02/22/2023 6:30 PM	. .	. Hours, . Minutes	Detroit Edison Co	RF	Michigan:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	6200	623358
2023	2	02/22/2023 6:41 PM	02/25/2023 4:12 PM	69 Hours, 31 Minutes	Consumers Energy Co	RF	Michigan: Van Buren County, Kalamazoo County, St. Joseph County, Calhoun County, Branch County, Hillsdale County, Jackson County, Washtenaw County, Monroe County, Lenawee County, Ingham County, Barry County, Allegan County, Ottawa County, Eaton County, Ingham County, Shiawassee County, Clinton County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	261043
2023	2	02/23/2023 4:30 AM	02/23/2023 1:00 PM	8 Hours, 30 Minutes	WEC Energy Group (WEPCO, WPSC, UMERC, WEP-MIUP)	MRO	Wisconsin: Kenosha County, Racine County, Milwaukee County, Walworth County, Jefferson County, Waukesha County; Michigan:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	143	57000

Table B.2 Major Disturbances and Unusual Occurrences, 2023

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
2023	2	02/24/2023 12:29 PM	02/24/2023 12:45 PM	0 Hours, 16 Minutes	Seminole Electric Cooperative Inc	SERC	Florida: Pasco County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Suspicious Activity	0	0
2023	2	02/25/2023 12:08 AM	02/26/2023 6:08 PM	42 Hours, 0 Minutes	Los Angeles Department of Water & Power	WECC	California: Los Angeles County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	153555
2023	2	02/27/2023 1:25 PM	02/27/2023 11:59 PM	10 Hours, 34 Minutes	Consumers Energy Co	RF	Michigan: Newaygo County, Oceana County, Ionia County, Montcalm County, Jackson County, Van Buren County, Washtenaw County, Hillsdale County, Lenawee County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	76000
2023	3	03/02/2023 7:00 PM	03/04/2023 11:00 PM	52 Hours, 0 Minutes	Oncor Electric Delivery Company LLC	TRE	Texas: Montague County, Cooke County, Grayson County, Fannin County, Lamar County, Young County, Jack County, Wise County, Denton County, Collin County, Hunt County, Delta County, Hopkins County, Stephens County, Palo Pinto County, Parker County, Tarrant County, Dallas County, Rockwall County, Kaufman County, Van Zandt County, Rains County, Eastland County, Erath County, Hood County, Somervell Cou	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	470000
2023	3	03/03/2023 12:45 PM	03/03/2023 10:42 PM	9 Hours, 57 Minutes	Southern Company	SERC	Alabama: Georgia: Mississippi:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	346	48384
2023	3	03/03/2023 1:45 PM	03/03/2023 1:50 PM	0 Hours, 5 Minutes	Exelon Corporation / Commonwealth Edison Company (ComEd) NCR08013	SERC/RF	Illinois: Cook County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Suspicious Activity	0	0
2023	3	03/03/2023 2:00 PM	03/04/2023 4:00 AM	14 Hours, 0 Minutes	Nashville Electric Service	SERC	Tennessee: Davidson County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	115000
2023	3	03/03/2023 3:40 PM	. .	. Hours, . Minutes	LG&E KU Energy LLC	SERC	Kentucky: Oldham County, Jefferson County, Fayette County, Franklin County, Hardin County, Hart County, Hopkins County, Jessamine County, Muhlenberg County, Nelson County, Scott County, Shelby County, Spencer County, Washington County, Woodford County, Bullitt County, Meade County, Lyon County, LaRue County, Henry County, Grayson County, Boyle County, Christian County, Anderson County; Virginia: W	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	346000
2023	3	03/03/2023 3:40 PM	. .	. Hours, . Minutes	Louisville Gas & Electric Co	SERC	Kentucky: Oldham County, Jefferson County, Fayette County, Franklin County, Hardin County, Hart County, Hopkins County, Jessamine County, Muhlenberg County, Nelson County, Scott County, Shelby County, Spencer County, Washington County, Woodford County, Bullitt County, Meade County, Lyon County, LaRue County, Henry County, Grayson County, Boyle County, Christian County, Anderson County; Virginia: W	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	Unknown
2023	3	03/03/2023 5:50 PM	03/05/2023 12:01 PM	42 Hours, 11 Minutes	Detroit Edison Co	RF	Michigan:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	0	200000
2023	3	03/03/2023 7:28 PM	03/03/2023 8:54 PM	1 Hours, 26 Minutes	Duke Energy Midwest	RF	Ohio: Kentucky:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	57186
2023	3	03/04/2023 7:05 AM	03/04/2023 7:06 AM	0 Hours, 1 Minutes	Entergy - Transmission Operations Engineering	SERC	Louisiana:	Uncontrolled loss of 300 Megawatts or more of firm system loads for 15 minutes or more from a single incident-Transmission Interruption	800	Unknown
2023	3	03/04/2023 7:05 AM	03/04/2023 7:06 AM	0 Hours, 1 Minutes	Entergy - Power Delivery	SERC	Louisiana:	Uncontrolled loss of 300 Megawatts or more of firm system loads for 15 minutes or more from a single incident-Transmission Interruption	965	33
2023	3	03/05/2023 8:03 PM	03/06/2023 3:38 PM	19 Hours, 35 Minutes	Southern Company	SERC	Georgia: Fulton County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Suspicious Activity	0	0
2023	3	03/07/2023 10:26 AM	03/07/2023 2:42 PM	4 Hours, 16 Minutes	Lubbock Power and Light	TRE	Texas: Lubbock County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Vandalism	0	0

Table B.2 Major Disturbances and Unusual Occurrences, 2023

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
2023	3	03/07/2023 11:00 AM	03/07/2023 3:45 PM	4 Hours, 45 Minutes	Southwestern Public Service	TRE	Texas: Lubbock County; New Mexico:	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Vandalism	0	0
2023	3	03/09/2023 6:00 PM	03/10/2023 6:00 PM	24 Hours, 0 Minutes	WEC Energy Group (WEPCO, WPSC, UMERC, WEP-MIUP)	MRO/RF	Wisconsin: Walworth County, Waukesha County, Milwaukee County, Racine County, Ozaukee County, Kenosha County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	250	100000
2023	3	03/14/2023 8:00 AM	03/16/2023 8:20 AM	48 Hours, 20 Minutes	ISO New England	NPCC	Connecticut: Massachusetts: Vermont: Rhode Island: New Hampshire: Maine:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	83000
2023	3	03/14/2023 9:25 AM	03/15/2023 3:00 PM	29 Hours, 35 Minutes	National Grid	NPCC	New York:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	Unknown
2023	3	03/16/2023 10:34 AM	03/16/2023 2:26 PM	3 Hours, 52 Minutes	Lubbock Power and Light	TRE	Texas: Lubbock County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Suspicious Activity	0	0
2023	3	03/22/2023 5:45 AM	03/22/2023 5:46 AM	0 Hours, 1 Minutes	Hill Top Energy Center	RF	Pennsylvania: Greene County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Suspicious Activity	621	0
2023	3	03/25/2023 4:12 PM	. .	. Hours, . Minutes	American Electric Power - (RFC Reliability Region) (8400 Smiths Mill Road, New Albany Ohio 43054)	RF	Ohio: West Virginia: Virginia:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	160801
2023	3	03/25/2023 4:13 PM	03/27/2023 6:30 PM	50 Hours, 17 Minutes	Detroit Edison Co	RF	Michigan:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	5800	67893
2023	3	03/26/2023 12:52 PM	03/26/2023 1:54 PM	1 Hours, 2 Minutes	Pacificorp	WECC	Washington: Oregon: Josephine County; California: Idaho: Utah: Wyoming: Montana:	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Vandalism	34	Unknown
2023	3	03/28/2023 6:03 PM	03/28/2023 8:08 PM	2 Hours, 5 Minutes	Brownsville Public Utilities Board	TRE	Texas: Cameron County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Suspicious Activity	0	0
2023	3	03/30/2023 6:28 PM	03/30/2023 10:13 PM	3 Hours, 45 Minutes	Western Area Power Administration (WAPA) - Rocky Mountain Region	WECC	Colorado: Larimer 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	18	Unknown
2023	3	03/30/2023 7:21 PM	. .	. Hours, . Minutes	Western Area Power Administration - Rocky Mountain Region	WECC	Colorado: Larimer 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	Unknown	Unknown
2023	3	03/31/2023 6:00 PM	03/31/2023 8:45 PM	2 Hours, 45 Minutes	Entergy Corp	SERC	Arkansas:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	58368
2023	3	03/31/2023 8:49 PM	. .	. Hours, . Minutes	ComEd	SERC / RF	Illinois:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	65000
2023	3	03/31/2023 11:00 PM	04/01/2023 4:15 PM	17 Hours, 15 Minutes	Northern States Power Co	MRO	Minnesota: Ramsey County, Hennepin County, Dakota County, Washington County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	80000
2023	4	04/01/2023 2:00 PM	04/03/2023 10:47 AM	44 Hours, 47 Minutes	American Electric Power - (RFC Reliability Region) (8400 Smiths Mill Road, New Albany Ohio 43054)	RF/SERC	Ohio: West Virginia: Virginia:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	118000
2023	4	04/03/2023 12:06 PM	04/03/2023 12:54 PM	0 Hours, 48 Minutes	Southern Company	SERC	Alabama: Walker County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Actual Physical Attack/Vandalism	0	0
2023	4	04/08/2023 4:30 AM	04/08/2023 5:05 AM	0 Hours, 35 Minutes	Brownsville Public Utilities Board	TRE	Texas: Cameron County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Suspicious Activity	0	0
2023	4	04/14/2023 5:30 AM	. .	. Hours, . Minutes	FL Solar 5, LLC	SERC	Florida: Orange County;	Cyber event that could potentially impact electric power system adequacy or reliability-Cyber Event	0	0

Table B.2 Major Disturbances and Unusual Occurrences, 2023

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
2023	4	04/19/2023 11:13 PM	04/20/2023 5:24 PM	18 Hours, 11 Minutes	American Electric Power - Texas	TRE	Texas: Calhoun 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	Unknown	Unknown
2023	4	04/27/2023 11:00 AM	04/27/2023 11:14 AM	0 Hours, 14 Minutes	Pedernales Electric Cooperative, Inc.	TRE	Texas: Blanco County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Vandalism	0	0
2023	4	04/29/2023 12:00 AM	04/29/2023 8:00 PM	20 Hours, 0 Minutes	American Electric Power - Texas	TRE	Texas: Hidalgo County, Cameron County, Willacy County, Starr County;	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	168419
2023	5	05/01/2023 5:16 AM	05/01/2023 9:31 AM	4 Hours, 15 Minutes	ISO New England	NPCC	Connecticut: Massachusetts: Rhode Island: Maine: New Hampshire: Vermont:	Loss of electric service to more than 50,000 customers for 1 hour or more-Severe Weather	Unknown	54000
2023	5	05/12/2023 11:43 AM	05/12/2023 12:00 PM	0 Hours, 17 Minutes	New York State Electric & Gas	NPCC	New York: Broome County;	Physical threat to its Bulk Electric System control center, excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the control center. Or suspicious device or activity at its Bulk Electric System control center.-Suspicious Activity	0	0
2023	5	05/21/2023 3:30 PM	05/21/2023 3:40 PM	0 Hours, 10 Minutes	Puget Sound Energy	WECC	Washington: Whatcom County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-Suspicious Activity	0	0
2023	5	05/24/2023 9:16 AM	. .	. Hours, . Minutes	ITC Holdings	MRO	Iowa: Minnesota:	Complete operational failure or shut down of the transmission and/or distribution electrical system-System Operations	2200	Unknown
2023	5	05/30/2023 8:00 AM	05/30/2023 8:01 AM	0 Hours, 1 Minutes	ISO New England	NPCC	Massachusetts: Hampden County[13];	Physical threat to its Bulk Electric System control center, excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the control center. Or suspicious device or activity at its Bulk Electric System control center.-Actual Physical Attack/Vandalism	0	0
2023	6	06/25/2023 4:00 AM	. .	. Hours, . Minutes	WEC Energy Group (WEPCO, WPSC, UMERC, WEP-MIUP)	MRO/RF	Wisconsin, Michigan	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	175	70000
2023	6	06/25/2023 6:45 AM	. .	. Hours, . Minutes	Memphis Light Gas and Water Division	SERC	Tennessee	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	Unknown	120000
2023	6	06/25/2023 5:30 PM	06/26/2023 3:31 PM	22 Hours, 1 Minutes	Southern Company	SERC	Georgia, Alabama	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	Unknown	Unknown
2023	6	06/25/2023 7:00 PM	. .	. Hours, . Minutes	Detroit Edison Co	RF	Michigan	Loss of electric service to more than 50,000 customers for 1 hour or more.-- Weather or natural disaster	Unknown	Unknown
2023	6	06/25/2023 7:30 PM	06/26/2023 5:45 PM	22 Hours, 15 Minutes	Entergy Corp	SERC	Arkansas, Mississippi	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	Unknown	64732
2023	6	06/29/2023 3:42 PM	. .	. Hours, . Minutes	Duke Energy Midwest	RF	Indiana	Loss of electric service to more than 50,000 customers for 1 hour or more.-- Weather or natural disaster	Unknown	140000
2023	7	07/06/2023 1:38 PM	07/06/2023 3:04 PM	1 Hours, 26 Minutes	Omaha Public Power District	MRO	Nebraska: Sarpy County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Suspicious activity	0	0
2023	7	07/14/2023 3:00 PM	. .	. Hours, . Minutes	Evergy	SERC	Missouri: Kansas:	Loss of electric service to more than 50,000 customers for 1 hour or more.-- Weather or natural disaster	Unknown	163156
2023	7	07/18/2023 1:30 PM	07/18/2023 2:30 PM	1 Hours, 0 Minutes	Wabash Valley Power	SERC	Missouri:	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Suspicious activity	0	0
2023	7	07/18/2023 5:50 PM	07/25/2023 2:00 PM	164 Hours, 10 Minutes	Memphis Light Gas and Water Division	SERC	Tennessee: Shelby County;	Uncontrolled loss of 300 Megawatts or more of firm system loads for 15 minutes or more from a single incident.-- Weather or natural disaster	1200	216000
2023	7	07/20/2023 3:30 PM	07/21/2023 12:00 PM	20 Hours, 30 Minutes	DTE Energy	RF	Michigan:	Loss of electric service to more than 50,000 customers for 1 hour or more.-- Weather or natural disaster	Unknown	90354
2023	7	07/20/2023 4:30 PM	07/22/2023 12:17 PM	43 Hours, 47 Minutes	Southern Company	SERC	Georgia:	Loss of electric service to more than 50,000 customers for 1 hour or more.-- Weather or natural disaster	640	35257

Table B.2 Major Disturbances and Unusual Occurrences, 2023

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
2023	7	07/25/2023 6:52 PM	07/25/2023 7:00 PM	0 Hours, 8 Minutes	Memphis Light Gas and Water Division	SERC	Tennessee: Shelby County;	Uncontrolled loss of 300 Megawatts or more of firm system loads for 15 minutes or more from a single incident.-- Unknown - Failure at high voltage substation or switchyard	820	Unknown
2023	7	07/26/2023 2:51 PM	07/26/2023 5:23 PM	2 Hours, 32 Minutes	Detroit Edison Co	RF	Michigan: Oakland County, Wayne County, Macomb County, Washtenaw County, Livingston County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-- Weather or natural disaster	Unknown	246000
2023	7	07/28/2023 12:16 PM	07/28/2023 12:17 PM	0 Hours, 1 Minutes	Seattle City Light	WECC	Washington: King County;	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems.-- Physical attack - Vandalism - Other	0	0
2023	7	07/28/2023 6:00 PM	07/30/2023 7:45 AM	37 Hours, 45 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.-- Weather or natural disaster	Unknown	52098
2023	7	07/28/2023 9:00 PM	. .	. Hours, . Minutes	Exelon Corporation/BGE	RF	Maryland: Harford County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-- Weather or natural disaster	Unknown	61000
2023	7	07/28/2023 9:00 PM	07/30/2023 10:00 AM	37 Hours, 0 Minutes	ComEd	MRO/RF	Illinois: Winnebago County, Cook County, Will County, DeKalb County, Kendall County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-- Weather or natural disaster	Unknown	122921
2023	7	07/28/2023 10:58 PM	. .	. Hours, . Minutes	WEC Energy Group (WEPCO, WPSC, UMERC, WEP-MIUP)	MRO/RF	Wisconsin: Jefferson County, Waukesha County, Milwaukee County, Sheboygan County, Washington County, Ozaukee County, Walworth County, Kenosha County, Racine County; Michigan:	Loss of electric service to more than 50,000 customers for 1 hour or more.-- Weather or natural disaster	213	85000
2023	7	07/29/2023 4:00 PM	07/29/2023 4:01 PM	0 Hours, 1 Minutes	FirstLight Power	NPCC	Massachusetts: Franklin County[13];	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility. Physical threat to its Bulk Electric System control center, excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the control cent	0	0
2023	7	07/29/2023 4:00 PM	08/01/2023 7:00 AM	63 Hours, 0 Minutes	Baltimore Gas and Electric	RF	Maryland:	Loss of electric service to more than 50,000 customers for 1 hour or more.-- Weather or natural disaster	Unknown	53630
2023	7	07/29/2023 4:25 PM	07/29/2023 4:28 PM	0 Hours, 3 Minutes	Potomac Electric Power Company	RF	Maryland: Montgomery County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-- Weather or natural disaster	Unknown	54158
2023	7	07/30/2023 8:30 PM	. .	. Hours, . Minutes	Evergy	SERC,MRO	Missouri: Kansas:	Loss of electric service to more than 50,000 customers for 1 hour or more.-- Weather or natural disaster	Unknown	72173
2023	8	. .	. .	. Hours, . Minutes	WEC Energy Group (WEPCO, WPSC, UMERC, WEP-MIUP)	MRO/RF	Wisconsin: Jefferson County, Waukesha County, Milwaukee County, Sheboygan County, Washington County, Ozaukee County, Walworth County, Kenosha County, Racine County; Michigan:	Loss of electric service to more than 50,000 customers for 1 hour or more.-- Weather or natural disaster	213	85000
2023	8	. .	. .	. Hours, . Minutes	Evergy	SERC	Missouri: Kansas:	Loss of electric service to more than 50,000 customers for 1 hour or more.-- Weather or natural disaster	Unknown	163156
2023	8	. .	. .	. Hours, . Minutes	Evergy	SERC,MRO	Missouri: Kansas:	Loss of electric service to more than 50,000 customers for 1 hour or more.-- Weather or natural disaster	Unknown	72173
2023	8	. .	. .	. Hours, . Minutes	Exelon Corporation/BGE	RF	Maryland: Harford County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-- Weather or natural disaster	Unknown	61000
2023	8	. .	07/06/2023 3:04 PM	. Hours, . Minutes	Omaha Public Power District	MRO	Nebraska: Sarpy County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Suspicious activity	0	0
2023	8	. .	07/18/2023 2:30 PM	. Hours, . Minutes	Wabash Valley Power	SERC	Missouri:	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Suspicious activity	0	0
2023	8	. .	07/21/2023 12:00 PM	. Hours, . Minutes	DTE Energy	RF	Michigan:	Loss of electric service to more than 50,000 customers for 1 hour or more.-- Weather or natural disaster	Unknown	90354
2023	8	. .	07/22/2023 12:17 PM	. Hours, . Minutes	Southern Company	SERC	Georgia:	Loss of electric service to more than 50,000 customers for 1 hour or more.-- Weather or natural disaster	640	35257
2023	8	. .	07/25/2023 2:00 PM	. Hours, . Minutes	Memphis Light Gas and Water Division	SERC	Tennessee: Shelby County;	Uncontrolled loss of 300 Megawatts or more of firm system loads for 15 minutes or more from a single incident.-- Weather or natural disaster	1200	216000
2023	8	. .	07/25/2023 7:00 PM	. Hours, . Minutes	Memphis Light Gas and Water Division	SERC	Tennessee: Shelby County;	Uncontrolled loss of 300 Megawatts or more of firm system loads for 15 minutes or more from a single incident.-- Unknown - Failure at high voltage substation or switchyard	820	Unknown

Table B.2 Major Disturbances and Unusual Occurrences, 2023

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
2023	8	. .	07/26/2023 5:23 PM	. Hours, . Minutes	Detroit Edison Co	RF	Michigan: Oakland County, Wayne County, Macomb County, Washtenaw County, Livingston County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-- Weather or natural disaster	Unknown	246000
2023	8	. .	07/28/2023 12:17 PM	. Hours, . Minutes	Seattle City Light	WECC	Washington: King County;	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems.-- Physical attack - Vandalism - Other	0	0
2023	8	. .	07/29/2023 4:01 PM	. Hours, . Minutes	FirstLight Power	NPCC	Massachusetts: Franklin County[13];	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility. Physical threat to its Bulk Electric System control center, excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the control cent	0	0
2023	8	. .	07/29/2023 4:28 PM	. Hours, . Minutes	Potomac Electric Power Company	RF	Maryland: Montgomery County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-- Weather or natural disaster	Unknown	54158
2023	8	. .	07/30/2023 7:45 AM	. Hours, . 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.-- Weather or natural disaster	Unknown	52098
2023	8	. .	07/30/2023 10:00 AM	. Hours, . Minutes	ComEd	MRO/RF	Illinois: Winnebago County, Cook County, Will County, DeKalb County, Kendall County;	Loss of electric service to more than 50,000 customers for 1 hour or more.-- Weather or natural disaster	Unknown	122921
2023	8	. .	08/01/2023 7:00 AM	. Hours, . Minutes	Baltimore Gas and Electric	RF	Maryland:	Loss of electric service to more than 50,000 customers for 1 hour or more.-- Weather or natural disaster	Unknown	53630
2023	9	09/07/2023 1:00 PM	09/07/2023 1:15 PM	0 Hours, 15 Minutes	Lower Colorado River Authority	TRE	Texas: Fayette County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Suspicious activity	0	0
2023	9	09/08/2023 3:15 PM	09/09/2023 10:05 PM	30 Hours, 50 Minutes	ISO New England	NPCC	Connecticut: Massachusetts: Maine: Rhode Island: Vermont: New Hampshire:	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	Unknown	114000
2023	9	09/08/2023 11:44 PM	09/10/2023 7:00 PM	43 Hours, 16 Minutes	Oncor Electric Delivery Company LLC	TRE	Texas: Tarrant County, Dallas County;	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	Unknown	190000
2023	9	09/09/2023 10:31 AM	09/09/2023 10:51 AM	0 Hours, 20 Minutes	Ravenswood Generating Station	NPCC	New York: Queens County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Suspicious activity	0	0
2023	9	09/16/2023 10:35 AM	09/17/2023 1:00 AM	14 Hours, 25 Minutes	ISO New England	NPCC	Connecticut: Massachusetts: Maine: Rhode Island: Vermont: New Hampshire:	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	Unknown	75000
2023	9	09/18/2023 8:53 AM	09/18/2023 10:26 AM	1 Hours, 33 Minutes	Brownsville Public Utilities Board	TRE	Texas: Cameron County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Suspicious activity	0	0
2023	9	09/24/2023 11:44 PM	09/26/2023 8:45 PM	45 Hours, 1 Minutes	Oncor Electric Delivery Company LLC	TRE	Texas: Dallas County, Tarrant County, McLennan County, Angelina County, Bell County, Williamson County, Smith County;	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	Unknown	130000
2023	9	09/29/2023 10:16 PM	09/29/2023 10:18 PM	0 Hours, 2 Minutes	Pacific Gas & Electric Co	WECC	California: Butte 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-- Weather or natural disaster	18	9082
2023	10	10/03/2023 4:00 PM	10/03/2023 6:50 PM	2 Hours, 50 Minutes	Duke Energy Carolinas	SERC	North Carolina: South Carolina:	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Suspicious activity	Unknown	Unknown
2023	10	10/03/2023 11:44 PM	10/04/2023 12:21 AM	0 Hours, 37 Minutes	PPL Electric Utilities Corp	RF	Pennsylvania:	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.-- Unknown	0	0
2023	10	10/04/2023 10:01 PM	10/06/2023 4:15 AM	30 Hours, 14 Minutes	Oncor Electric Delivery Company LLC	RE	Texas:	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	Unknown	153000
2023	10	10/06/2023 2:42 AM	10/06/2023 3:13 AM	0 Hours, 31 Minutes	Brownsville Public Utilities Board	RE	Texas: Cameron County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Suspicious activity	0	0

Table B.2 Major Disturbances and Unusual Occurrences, 2023

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
2023	10	10/12/2023 2:37 PM	10/12/2023 3:37 PM	1 Hours, 0 Minutes	Armstrong Power, LLC	RF	Pennsylvania: Armstrong County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Suspicious activity	Unknown	Unknown
2023	10	10/12/2023 2:37 PM	10/12/2023 3:37 PM	1 Hours, 0 Minutes	Armstrong Power, LLC	RF	Pennsylvania: Armstrong County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Suspicious activity	Unknown	Unknown
2023	10	10/19/2023 9:40 AM	10/19/2023 9:45 AM	0 Hours, 5 Minutes	Hill Top Energy Center	RF	Pennsylvania: Greene County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Suspicious activity	0	0
2023	10	10/26/2023 10:05 AM	10/26/2023 10:20 AM	0 Hours, 15 Minutes	Exelon Corporation / Commonwealth Edison Company (ComEd) NCR08013	WECC	Illinois: Cook County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Suspicious activity	0	0
2023	10	10/26/2023 10:05 AM	10/26/2023 10:20 AM	0 Hours, 15 Minutes	Exelon Corporation / Commonwealth Edison Company (ComEd) NCR08013	RE	Illinois: Cook County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Suspicious activity	0	0
2023	10	10/29/2023 4:00 AM	10/30/2023 4:00 PM	36 Hours, 0 Minutes	Apex Generating Station	WECC	Nevada:	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Suspicious activity	0	0
2023	11	11/02/2023 8:00 PM	11/02/2023 8:06 PM	0 Hours, 6 Minutes	Duke Energy Carolinas	SERC	South Carolina: Oconee County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Suspicious activity	0	0
2023	11	11/10/2023 8:00 AM	11/10/2023 8:01 AM	0 Hours, 1 Minutes	Apex Generating Station	WECC	Nevada:	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Vandalism - Theft - Suspicious activity	0	0
2023	11	11/10/2023 6:10 PM	11/10/2023 7:58 PM	1 Hours, 48 Minutes	Constellation Energy Generation, LLC	RF	Pennsylvania: Montgomery County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Suspicious activity	0	0
2023	11	11/16/2023 3:18 AM	. .	. Hours, . Minutes	Florida Power & Light	SERC	Florida: Miami-Dade County, Broward County;	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	0	0
2023	11	11/17/2023 1:43 AM	11/17/2023 3:33 AM	1 Hours, 50 Minutes	Pacific Gas & Electric Co	WECC	California: Contra Costa County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Other	0	0
2023	11	11/19/2023 3:00 AM	11/19/2023 3:30 AM	0 Hours, 30 Minutes	Eagle Point Power Generation LLC	RF	New Jersey: Gloucester County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Theft	0	0
2023	11	11/19/2023 2:00 PM	11/19/2023 2:10 PM	0 Hours, 10 Minutes	CPV Three Rivers, LLC	SERC	Illinois: Grundy County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Suspicious activity	0	0
2023	11	11/20/2023 12:00 AM	11/20/2023 2:00 AM	2 Hours, 0 Minutes	Apex Generating Station	WECC	Nevada:	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Theft - Suspicious activity	0	0
2023	11	11/25/2023 10:20 AM	. .	. Hours, . Minutes	California Independent System Operator (CAISO) BA reporting on behalf of New-Indy Ontario, LLC.	WECC	California: San Bernardino County;	- 3. Non-reportable Cyber Security-- Unknown	0	0
2023	11	11/27/2023 6:00 AM	11/27/2023 1:00 PM	7 Hours, 0 Minutes	ISO New England	NPCC	Connecticut: Massachusetts: Maine: Rhode Island: Vermont: New Hampshire:	Loss of electric service to more than 50,000 customers for 1 hour or more-- Weather or natural disaster	0	0

Table B.2 Major Disturbances and Unusual Occurrences, 2023

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
2023	12	12/05/2023 11:11 PM	12/06/2023 12:12 AM	1 Hours, 1 Minutes	GenOn Energy ? New Castle Power LLC	RF	Pennsylvania: Lawrence County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Vandalism - Theft - Suspicious activity	0	0
2023	12	12/09/2023 11:08 AM	12/09/2023 11:12 AM	0 Hours, 4 Minutes	WEC Energy Group (WEPCO, WPSC, UMERC, WEP-MIUP)	MRO	Wisconsin: Milwaukee County; Michigan:	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Other	0	0
2023	12	12/11/2023 12:00 AM	12/11/2023 12:00 PM	12 Hours, 0 Minutes	Apex Generating Station	WECC	Nevada:	Physical threat to its Bulk Electric System control center, excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the control center. Or suspicious device or activity at its Bulk Electric System control center.-- Theft - Suspicious activity	0	0
2023	12	12/15/2023 12:46 PM	12/15/2023 4:00 PM	3 Hours, 14 Minutes	Consumers Energy Co	RF	Michigan: Iosco County;	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy-- Other	126197	126197
2023	12	12/16/2023 2:05 AM	12/16/2023 2:29 AM	0 Hours, 24 Minutes	LUMA Energy	SERC	Puerto Rico:	Physical attack that could potentially impact electric power system adequacy or reliability; or vandalism which targets components of any security systems-- Vandalism - Theft	Unknown	Unknown
2023	12	12/17/2023 10:46 AM	12/17/2023 10:57 AM	0 Hours, 11 Minutes	LUMA Energy	SERC	Puerto Rico:	Uncontrolled loss of 300 Megawatts or more of firm system loads for 15 minutes or more from a single incident-- Vandalism - Theft	Unknown	Unknown
2023	12	12/18/2023 10:55 AM	12/18/2023 11:41 AM	0 Hours, 46 Minutes	First Energy Solutions Corp.	RF	Ohio: Lucas County;	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy-- Vandalism - Theft	Unknown	Unknown
2023	12	12/18/2023 1:11 PM	12/18/2023 1:23 PM	0 Hours, 12 Minutes	LUMA Energy	SERC	Puerto Rico:	Loss of electric service to more than 50,000 customers for 1 hour or more-- Vandalism - Suspicious activity	730000	730000
2023	12	12/19/2023 12:41 AM	12/19/2023 12:47 AM	0 Hours, 6 Minutes	LUMA Energy	SERC	Puerto Rico:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy-- Vandalism - Suspicious activity	50204	50204
2023	12	12/23/2023 12:43 AM	12/23/2023 12:48 AM	0 Hours, 5 Minutes	LUMA Energy	SERC	Puerto Rico:	Complete loss of monitoring or control capability at its staffed Bulk Electric System control center for 30 continuous minutes or more.-- Vandalism	0	0
2023	12	12/24/2023 2:07 AM	12/24/2023 1:39 PM	11 Hours, 32 Minutes	Seminole Electric Cooperative Inc	SERC	Florida: Citrus County;	System-wide voltage reductions of 3 percent or more-- Vandalism	Unknown	Unknown
2023	12	12/25/2023 8:35 AM	12/25/2023 3:00 PM	6 Hours, 25 Minutes	Consolidated Edison of New York, Inc.	NPCC	New York:	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy-- Vandalism	36100	36100
2023	12	12/27/2023 11:11 AM	12/27/2023 11:12 AM	0 Hours, 1 Minutes	Pacificorp	WECC	Utah: California: Oregon: Harney 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-- Other	8000	8000
2023	12	12/27/2023 2:44 PM	12/28/2023 4:14 AM	13 Hours, 30 Minutes	Otter Tail Power Co	MRO	North Dakota: Stutsman County;	Firm load shedding of 100 Megawatts or more implemented under emergency operational policy-- Vandalism	Unknown	Unknown
2023	12	12/30/2023 5:00 AM	12/30/2023 6:48 AM	1 Hours, 48 Minutes	Lower Colorado River Authority	RE	Texas: Fayette County;	Physical threat to its Facility excluding weather or natural disaster related threats, which has the potential to degrade the normal operation of the Facility. Or suspicious device or activity at its Facility.-- Generator loss or failure	Unknown	Unknown

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

Table C.1 Average Heat Content of Fossil-Fuel Receipts, March 2024

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	20.48	5.82	--	1.03
Connecticut	--	5.83	--	1.03
Maine	20.48	5.83	--	1.04
Massachusetts	--	--	--	1.03
New Hampshire	--	5.80	--	1.03
Rhode Island	--	--	--	1.03
Vermont	--	--	--	--
Middle Atlantic	13.25	6.13	--	1.04
New Jersey	--	--	--	1.04
New York	--	--	--	1.03
Pennsylvania	13.25	6.13	--	1.04
East North Central	20.42	5.83	27.95	1.05
Illinois	17.92	5.91	--	1.04
Indiana	22.35	5.76	--	1.06
Michigan	19.31	5.81	27.95	1.05
Ohio	25.04	5.87	--	1.06
Wisconsin	18.21	5.87	--	1.03
West North Central	16.48	5.81	--	1.05
Iowa	17.72	5.85	--	1.09
Kansas	17.50	5.79	--	1.00
Minnesota	17.87	5.88	--	1.09
Missouri	17.93	5.78	--	1.02
Nebraska	17.43	--	--	1.05
North Dakota	13.14	5.85	--	1.00
South Dakota	16.63	--	--	1.11
South Atlantic	23.94	5.86	--	1.03
Delaware	--	5.77	--	1.04
District of Columbia	--	--	--	--
Florida	23.09	5.93	--	1.03
Georgia	20.52	5.99	--	1.03
Maryland	22.77	5.77	--	1.04
North Carolina	24.90	5.80	--	1.03
South Carolina	24.43	5.87	--	1.03
Virginia	25.26	5.95	--	1.04
West Virginia	25.18	5.84	--	1.07
East South Central	20.85	5.83	--	1.02
Alabama	18.36	--	--	1.03
Kentucky	22.30	5.84	--	1.03
Mississippi	12.75	5.82	--	1.03
Tennessee	22.81	5.78	--	1.01
West South Central	16.76	5.81	--	1.02
Arkansas	17.76	5.80	--	1.03
Louisiana	17.45	--	--	1.03
Oklahoma	17.35	5.80	--	1.03
Texas	16.40	5.81	--	1.02
Mountain	18.55	5.83	--	1.04
Arizona	17.94	5.80	--	1.03
Colorado	18.98	5.67	--	1.07
Idaho	--	--	--	1.00
Montana	17.06	5.92	--	1.05
Nevada	19.67	5.80	--	1.04
New Mexico	18.36	--	--	1.02
Utah	21.22	5.81	--	1.04
Wyoming	17.20	5.78	--	1.05
Pacific Contiguous	18.30	6.00	--	1.05
California	21.53	--	--	1.04
Oregon	--	--	--	1.06
Washington	17.08	6.00	--	1.08
Pacific Noncontiguous	14.91	6.20	--	1.00
Alaska	14.91	5.60	--	1.00
Hawaii	--	6.20	--	--
U.S. Total	19.10	6.13	27.95	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, 2020 through 2022

	Mean Absolute Value of Percent Change Total (All Sectors)		
Item	**2020**	**2021**	**2022**
Net Generation			
Coal	0.12%	0.17%	0.32%
Petroleum Liquids	2.67%	5.42%	4.20%
Petroleum Coke	3.61%	2.93%	5.15%
Natural Gas	1.23%	0.28%	0.42%
Other Gases	6.01%	2.35%	3.63%
Hydroelectric	3.35%	3.89%	3.74%
Nuclear	0.01%	0.22%	0.00%
Other	1.12%	0.89%	0.83%
Total	**0.46%**	**0.33%**	**0.37%**
Consumption of Fossil Fuels for Electricity Generation			
Coal	0.23%	0.17%	0.62%
Petroleum Liquids	2.39%	8.15%	4.38%
Petroleum Coke	8.51%	5.23%	6.99%
Natural Gas	1.19%	0.71%	0.47%
Fuel Stocks for Electric Power Sector			
Coal	0.56%	2.40%	0.58%
Petroleum Liquids	1.88%	5.16%	1.23%
Petroleum Coke	2.13%	0.48%	1.32%
Sales of Electricity to Ultimate Customers			
Residential	0.19%	0.40%	0.83%
Commercial	0.92%	0.29%	1.30%
Industrial	4.30%	1.39%	1.28%
Transportation	1.17%	0.92%	0.14%
Total	**1.49%**	**0.31%**	**0.47%**
Revenue			
Residential	0.13%	0.88%	1.37%
Commercial	0.38%	0.23%	0.29%
Industrial	4.43%	0.36%	0.54%
Transportation	0.90%	1.00%	0.91%
Total	**0.77%**	**0.46%**	**0.64%**
Average Price of Electricity to Ultimate Customers			
Residential	0.30%	0.47%	0.55%
Commercial	0.55%	0.50%	1.10%
Industrial	0.19%	1.17%	1.65%
Transportation	0.47%	0.61%	0.85%
Total	**0.70%**	**0.77%**	**1.11%**
Receipt of Fossil Fuels			
Coal	1.01%	1.20%	1.24%
Petroleum Liquids	5.52%	15.02%	11.38%
Petroleum Coke	0.00%	0.00%	0.00%
Natural Gas	8.15%	8.13%	7.88%
Cost of Fossil Fuels			
Coal	0.26%	0.21%	0.29%
Petroleum Liquids	1.32%	1.81%	0.50%
Petroleum Coke	0.00%	0.00%	0.00%
Natural Gas	0.38%	3.38%	0.35%

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, 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, 2020 through 2022

Item	2020			2021			2022		
	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	773,805	773,393	-0.05%	898,679	897,999	-0.08%	828,993	831,512	0.30%
Petroleum Liquids	9,877	9,662	-2.18%	11,315	11,663	3.07%	16,274	15,805	-2.88%
Petroleum Coke	7,618	7,679	0.80%	7,467	7,511	0.58%	7,109	7,126	0.24%
Natural Gas	1,616,748	1,626,790	0.62%	1,575,230	1,579,190	0.25%	1,689,465	1,687,067	-0.14%
Other Gases	11,182	11,818	5.69%	11,283	11,397	1.01%	11,884	11,722	-1.36%
Hydroelectric	285,790	279,953	-2.04%	255,113	246,473	-3.39%	255,966	248,761	-2.81%
Nuclear	789,919	789,879	-0.01%	778,152	779,645	0.19%	771,537	771,537	0.00%
Other	514,146	510,593	-0.69%	578,302	575,822	-0.43%	661,908	657,142	-0.72%
Total	**4,009,085**	**4,009,767**	**0.02%**	**4,115,540**	**4,109,699**	**-0.14%**	**4,243,136**	**4,230,672**	**-0.29%**
Consumption of Fossil Fuels for Electricity Generation									
Coal (1,000 tons)	436,076	435,351	-0.17%	500,592	500,367	-0.04%	468,779	471,576	0.60%
Petroleum Liquids (1,000 barrels)	18,191	18,008	-1.00%	20,676	21,633	4.63%	29,207	28,760	-1.53%
Petroleum Coke (1,000 tons)	2,866	3,077	7.35%	2,940	3,070	4.41%	2,887	2,985	3.40%
Natural Gas (1,000 Mcf)	11,887,895	11,928,104	0.34%	11,550,818	11,502,569	-0.42%	12,384,883	12,384,098	-0.01%
Fuel Stocks for Electric Power Sector									
Coal (1,000 tons)	132,723	131,431	-0.97%	94,654	91,884	-2.93%	89,963	88,861	-1.23%
Petroleum Liquids (1,000 barrels)	25,547	26,063	2.02%	23,446	26,002	10.90%	21,650	22,812	5.36%
Petroleum Coke (1,000 tons)	298	298	-0.10%	302	302	0.00%	304	318	4.84%
Retail Sales (Million kWh)									
Residential	1,461,958	1,464,605	0.18%	1,476,569	1,470,487	-0.41%	1,521,886	1,509,233	-0.83%
Commercial	1,275,718	1,287,440	0.92%	1,324,782	1,328,439	0.28%	1,373,031	1,390,873	1.30%
Industrial	919,533	959,082	4.30%	986,797	1,000,613	1.40%	1,007,533	1,020,464	1.28%
Transportation	6,532	6,548	0.24%	6,392	6,334	-0.90%	6,602	6,599	-0.05%
Total	**3,663,741**	**3,717,674**	**1.47%**	**3,794,539**	**3,805,874**	**0.30%**	**3,909,053**	**3,927,169**	**0.46%**
Revenue (Million Dollars)									
Residential	192,934	192,663	-0.14%	202,632	200,834	-0.89%	230,174	226,990	-1.38%
Commercial	135,860	136,372	0.38%	149,328	149,008	-0.21%	172,257	172,600	0.20%
Industrial	61,246	63,956	4.42%	71,682	71,835	0.21%	85,171	84,895	-0.32%
Transportation	646	648	0.30%	653	646	-0.98%	770	765	-0.61%
Total	**390,686**	**393,639**	**0.76%**	**424,295**	**422,323**	**-0.46%**	**488,371**	**485,249**	**-0.64%**
Average Retail Price (Cents/kWh)									
Residential	13.20	13.15	-0.32%	13.72	13.66	-0.48%	15.12	15.04	-0.56%
Commercial	10.65	10.59	-0.54%	11.27	11.22	-0.49%	12.55	12.41	-1.09%
Industrial	6.66	6.67	0.12%	7.26	7.18	-1.17%	8.45	8.32	-1.59%
Transportation	9.90	9.90	0.06%	10.21	10.20	-0.09%	11.66	11.59	-0.56%
Total	**10.66**	**10.59**	**-0.71%**	**11.18**	**11.10**	**-0.76%**	**12.49**	**12.36**	**-1.10%**
Receipt of Fossil Fuels									
Coal (1,000 tons)	435,213	439,636	1.02%	456,033	461,477	1.19%	463,950	469,718	1.24%
Petroleum Liquids (1,000 barrels)	12,178	12,864	5.63%	14,198	16,302	14.82%	17,206	19,362	12.53%
Petroleum Coke (1,000 tons)	2,396	2,396	0.00%	2,296	2,296	0.00%	2,286	2,286	0.00%
Natural Gas (1,000 Mcf)	11,067,675	11,981,552	8.26%	10,688,997	11,578,254	8.32%	11,497,833	12,436,074	8.16%
Cost of Fossil Fuels (Dollars per Million Btu)									
Coal (1,000 tons)	1.92	1.92	-0.24%	1.98	1.98	-0.26%	2.37	2.36	-0.32%
Petroleum Liquids (1,000 barrels)	9.63	9.76	1.29%	14.50	14.71	1.42%	23.67	23.60	-0.32%
Petroleum Coke (1,000 tons)	1.70	1.70	0.00%	3.16	3.16	0.00%	4.35	4.35	0.00%
Natural Gas (1,000 Mcf)	2.39	2.40	0.21%	4.97	5.19	4.49%	7.23	7.22	-0.05%

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, 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 2022 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

Table D.1. U.S. Estimated Consumption of Electricity by Light-Duty Electric Vehicles Types, 2018 - March 2024
(Megawatthours)

Period	Plug-in Hybrid Electric Vehicle (PHEV)	Battery Electric Vehicle (BEV)	Total
Annual Totals			
2018	756,806	824,899	1,581,706
2019	884,161	1,175,714	2,059,875
2020	1,073,251	1,827,049	2,900,300
2021	1,242,674	2,276,123	3,518,797
2022	1,657,375	3,594,407	5,251,782
2023	2,151,105	5,444,408	7,595,513
Year 2022			
January	128,043	248,829	376,872
February	123,155	243,185	366,340
March	135,213	273,811	409,024
April	124,489	256,923	381,412
May	132,358	279,488	411,846
June	132,775	284,487	417,261
July	139,085	305,261	444,346
August	140,042	312,622	452,664
September	138,348	314,167	452,515
October	146,552	336,361	482,914
November	150,100	347,848	497,948
December	167,214	391,425	558,639
Year 2023			
January	157,950	369,161	527,111
February	152,391	359,976	512,368
March	172,664	419,305	591,969
April	158,189	388,018	546,207
May	171,848	430,398	602,246
June	174,860	445,804	620,664
July	184,333	477,799	662,132
August	188,174	489,342	677,516
September	182,894	478,333	661,227
October	195,264	508,795	704,059
November	196,712	516,825	713,537
December	215,826	560,652	776,478
Year 2024			
January	232,486	598,775	831,261
February	207,227	540,171	747,399
March	235,816	617,237	853,054
Year to Date			
2022	386,412	765,825	1,152,237
2023	483,006	1,148,442	1,631,448
2024	675,530	1,756,184	2,431,713

Notes:
Light-duty vehicles are vehicles weighing less than 8,500 lbs including passenger cars and light trucks.
Plug-in hybrid electric vehicle (PHEV) is a vehicle that can both (1) plug into an electric power source and store power in a battery pack and (2) use petroleum-based or other liquid- or gas-based fuel to power an Internal combustion engine (ICE).
Battery electric vehicle (BEV) is an all-electric vehicle that receives power by plugging into an electric power source and storing the power in a battery pack. BEVs do not use any petroleum-based or other liquid- or gas-based fuel during operation.
Note: Values for 2022 and prior are final. Values for 2023 and 2024 are preliminary. Electric Vehicle electricity end-use consumption is included across multiple end-use sectors in electricity sales to ultimate customers. PHEV consumption only includes electricity consumption,.
it does not include any gasoline consumption.
Totals may not equal sum of components due to independent rounding.
Estimates are model based. These estimates are not discretely allocated to any of the end-use sector balances. See full data disclaimer and technical notes.
Data source: The estimates published in these tables are based on a model that uses administrative and third-party data from the U.S. Environmental Protection Agency,.
National Oceanic and Atmospheric Administration, U.S. Department of Transportation, S&P Global Mobility, Wards Intelligence, Alliance for Automotive Innovation, Hedges & Co, and Geotab.

Table D.2. Estimated State and Regional Consumption of Electricity by Light-Duty Electric Vehicles, Year-to-Date through March 2024 and 2023 (Megawatthours)

Census Division and State	Monthly		Year to Date	
	March 2024	March 2023	March 2024	March 2023
New England	**42,247**	**29,132**	**123,836**	**81,717**
Connecticut	9,642	6,430	27,654	17,663
Maine	2,721	1,946	8,157	5,618
Massachusetts	22,241	15,486	64,471	43,044
New Hampshire	2,882	2,097	8,805	6,180
Rhode Island	1,958	1,409	5,637	3,797
Vermont	2,803	1,765	9,113	5,415
Middle Atlantic	**97,249**	**62,548**	**279,434**	**169,633**
New Jersey	31,774	20,895	89,655	55,301
New York	46,619	28,340	135,198	77,964
Pennsylvania	18,856	13,313	54,581	36,368
East North Central	**74,132**	**51,909**	**217,940**	**145,715**
Illinois	27,857	18,643	81,988	52,396
Indiana	8,726	5,147	25,805	14,220
Michigan	15,712	12,548	45,901	35,851
Ohio	15,133	10,653	44,557	29,315
Wisconsin	6,704	4,918	19,689	13,933
West North Central	**27,741**	**20,128**	**82,550**	**57,525**
Iowa	2,862	2,225	8,721	6,500
Kansas	3,010	2,177	9,210	6,469
Minnesota	11,026	7,935	32,912	22,904
Missouri	7,505	5,374	21,863	14,764
Nebraska	2,357	1,610	7,035	4,629
North Dakota	375	324	1,068	891
South Dakota	606	483	1,740	1,369
South Atlantic	**144,951**	**93,669**	**411,840**	**253,417**
Delaware	2,049	1,514	6,379	4,457
District of Columbia	2,918	2,051	6,846	4,904
Florida	59,932	36,515	165,223	96,988
Georgia	19,037	12,761	55,605	35,025
Maryland	18,823	12,037	55,588	33,669
North Carolina	17,572	11,427	51,159	30,999
South Carolina	4,708	3,540	13,513	9,643
Virginia	19,175	13,224	55,436	36,124
West Virginia	738	599	2,092	1,609
East South Central	**16,392**	**11,549**	**46,181**	**30,767**
Alabama	3,276	2,319	9,424	6,325
Kentucky	3,067	2,321	8,877	6,312
Mississippi	1,162	697	3,415	1,934
Tennessee	8,888	6,213	24,465	16,196
West South Central	**65,215**	**39,118**	**188,998**	**107,766**
Arkansas	1,481	998	4,307	2,807
Louisiana	2,321	1,503	6,490	3,929
Oklahoma	18,041	5,111	53,039	14,124
Texas	43,373	31,506	125,161	86,906
Mountain	**75,608**	**52,855**	**219,102**	**151,987**
Arizona	22,738	15,316	63,220	43,028
Colorado	26,683	17,791	79,791	52,005
Idaho	2,544	1,866	7,213	5,318
Montana	1,847	1,270	5,279	3,562
Nevada	9,577	6,997	27,295	19,722
New Mexico	2,655	2,086	7,463	5,825
Utah	9,246	7,225	27,901	21,669
Wyoming	319	304	939	858
Pacific Contiguous	**303,934**	**226,429**	**845,953**	**620,113**
California	256,819	190,860	720,027	524,292
Oregon	15,351	11,799	42,015	32,806
Washington	31,764	23,771	83,912	63,015
Pacific Noncontiguous	**5,586**	**4,632**	**15,883**	**12,808**
Alaska	759	625	2,144	1,666
Hawaii	4,826	4,007	13,738	11,142
U.S. Total	**853,054**	**591,969**	**2,431,713**	**1,631,448**

Notes:
Light-duty vehicles are vehicles weighing less than 8,500 lbs including passenger cars and light trucks.
Plug-in hybrid electric vehicle (PHEV) is a vehicle that can both (1) plug into an electric power source and store power in a battery pack and (2) use petroleum-based or other liquid- or gas-based fuel to power an Internal combustion engine (ICE).
Battery electric vehicle (BEV) is an all-electric vehicle that receives power by plugging into an electric power source and storing the power in a battery pack. BEVs do not use any petroleum-based or other liquid- or gas-based fuel during operation.
Note: Values for 2022 and prior are final. Values for 2023 and 2024 are preliminary. Electric Vehicle electricity end-use consumption is included across multiple end-use sectors in electricity sales to ultimate customers. PHEV consumption only includes electricity consumption, it does not include any gasoline consumption.
Totals may not equal sum of components due to independent rounding.
Estimates are model based. These estimates are not discretely allocated to any of the end-use sector balances. See full data disclaimer and technical notes.
Data source: The estimates published in these tables are based on a model that uses administrative and third-party data from the U.S. Environmental Protection Agency, National Oceanic and Atmospheric Administration, U.S. Department of Transportation, 'S&P' Global Mobility, Wards Intelligence, Alliance for Automotive Innovation, Hedges & Co, and Geotab.

Table D.3. Estimated State and Regional Consumption of Electricity from Light-Duty Vehicles, Annual (Megawatthours)

Census Division and State	2018	2019	2020	2021	2022	2023
New England	**62,275**	**87,619**	**124,522**	**156,907**	**247,568**	**356,732**
Connecticut	15,563	20,941	28,468	35,242	55,516	78,735
Maine	3,786	5,206	7,661	10,355	17,022	24,418
Massachusetts	31,226	45,385	66,194	83,038	129,174	188,058
New Hampshire	4,445	6,329	8,975	11,380	18,537	26,624
Rhode Island	2,607	3,617	5,027	6,828	11,415	17,479
Vermont	4,648	6,141	8,198	10,063	15,903	21,418
Middle Atlantic	**119,930**	**172,717**	**240,008**	**305,618**	**511,312**	**766,430**
New Jersey	33,718	49,392	73,052	95,579	167,728	260,453
New York	58,910	85,905	114,569	142,969	230,830	337,367
Pennsylvania	27,302	37,421	52,387	67,071	112,754	168,609
East North Central	**130,271**	**162,974**	**221,420**	**272,690**	**443,486**	**623,240**
Illinois	42,290	55,586	78,963	95,944	155,476	223,923
Indiana	12,856	16,430	22,944	28,899	46,143	63,787
Michigan	33,812	37,680	47,696	59,039	103,090	149,546
Ohio	25,426	33,822	47,269	59,898	93,594	125,018
Wisconsin	15,888	19,456	24,547	28,909	45,183	60,966
West North Central	**45,346**	**62,614**	**86,650**	**109,121**	**178,067**	**251,580**
Iowa	5,495	7,210	10,043	12,599	20,359	27,145
Kansas	5,685	7,468	10,578	13,163	20,551	28,083
Minnesota	16,902	24,600	33,074	42,451	68,282	94,821
Missouri	12,425	16,757	23,768	29,129	48,607	72,863
Nebraska	3,306	4,463	6,353	8,170	13,922	19,616
North Dakota	576	815	1,060	1,333	2,410	3,465
South Dakota	957	1,302	1,774	2,277	3,936	5,588
South Atlantic	**182,531**	**241,810**	**363,587**	**483,500**	**781,219**	**1,174,938**
Delaware	2,825	3,881	5,765	7,815	12,472	17,711
District of Columbia	3,015	4,355	6,863	9,203	14,359	19,461
Florida	61,910	83,061	132,187	180,482	300,409	458,767
Georgia	37,063	43,959	57,870	70,714	109,140	162,878
Maryland	25,261	34,437	52,157	69,024	105,830	153,162
North Carolina	21,435	28,804	44,077	58,614	96,155	144,639
South Carolina	6,319	7,954	11,979	16,722	28,214	43,502
Virginia	23,453	33,766	50,335	67,835	109,677	167,437
West Virginia	1,250	1,593	2,354	3,091	4,962	7,381
East South Central	**22,830**	**29,805**	**44,832**	**57,719**	**96,019**	**137,687**
Alabama	4,801	6,321	9,167	11,645	19,921	29,269
Kentucky	4,997	6,292	9,538	11,972	19,950	28,204
Mississippi	1,273	1,675	2,432	3,540	6,124	9,130
Tennessee	11,760	15,517	23,695	30,562	50,024	71,084
West South Central	**74,670**	**94,763**	**140,531**	**189,618**	**331,944**	**521,609**
Arkansas	2,006	2,810	3,476	5,313	9,387	12,882
Louisiana	2,769	3,839	5,109	7,131	12,344	18,642
Oklahoma	6,381	9,186	10,884	20,903	41,919	73,058
Texas	63,514	78,929	121,063	156,271	268,294	417,027
Mountain	**106,703**	**150,481**	**223,479**	**282,179**	**446,133**	**668,065**
Arizona	34,678	48,110	73,474	92,775	136,374	201,106
Colorado	33,339	50,374	72,552	89,198	140,759	214,932
Idaho	3,769	4,734	7,098	9,212	16,087	22,991
Montana	1,895	2,570	3,543	5,098	9,656	14,764
Nevada	13,136	17,726	27,848	37,331	62,519	96,444
New Mexico	4,066	5,396	7,858	10,263	16,709	25,100
Utah	15,215	20,757	29,963	36,719	61,396	89,080
Wyoming	606	814	1,143	1,583	2,634	3,647
Pacific Contiguous	**821,296**	**1,037,850**	**1,427,814**	**1,629,783**	**2,173,282**	**3,038,984**
California	713,974	901,134	1,232,482	1,403,840	1,846,171	2,577,982
Oregon	34,450	43,421	62,702	76,083	110,881	152,279
Washington	72,872	93,295	132,630	149,860	216,230	308,724
Pacific Noncontiguous	**15,854**	**19,241**	**27,457**	**31,662**	**42,751**	**56,248**
Alaska	1,635	1,815	2,882	3,473	5,035	6,921
Hawaii	14,219	17,426	24,575	28,189	37,717	49,328
U.S. Total	**1,581,706**	**2,059,875**	**2,900,300**	**3,518,797**	**5,251,782**	**7,595,513**

Notes:
Light-duty vehicles are vehicles weighing less than 8,500 lbs including passenger cars and light trucks.
Electric vehicle (EV) is a general term for any on-road licensed vehicle that can plug into an electric power source and uses electric power to move. EVs plug into a source of electricity and store power in a battery pack for all or part of their power needs. Includes Battery electric vehicles (BEVs) and Plug-in Hybrid Vehicles (PHEVs).
Note: Values for 2022 and prior are final. Values for 2023 are preliminary. Electric Vehicle electricity end-use consumption is included across multiple end-use sectors in electricity sales to ultimate customers. PHEV consumption only includes electricity consumption, it does not include any gasoline consumption.
Totals may not equal sum of components due to independent rounding.
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Data source: The estimates published in these tables are based on a model that uses administrative and third-party data from the U.S. Environmental Protection Agency, National Oceanic and Atmospheric Administration, U.S. Department of Transportation, S and P Global Mobility, Wards Intelligence, Alliance for Automotive Innovation, Hedges & Co, and Geotab.

Appendix D. Electric Vehicle Consumption

Independent Statistics and Analysis
U.S. Energy Information Administration

www.eia.gov
U.S. Department of Energy
Washington, DC 20585

Disclaimer

This appendix presents EIA's most recent experimental estimates for EV electricity consumption and provides an overview of the methodology used to construct them in the technical notes. These estimates are based on models and are subject to model error. We advise data users to exercise caution when incorporating these data in their analyses. EIA is releasing these estimates to solicit comments on the potential uses of the data, the methodology, and possible enhancements that would be most valuable. EIA plans to regularly reassess whether methodological improvements need to be made, based on this feedback and internal evaluations, before adopting the new estimates as official statistics assured to meet the same high data quality standards applied to EIA's traditional statistical products. Comments may be directed to InfoElectric@eia.gov.

Methodology

The model estimates monthly light-duty electric vehicle (EV)[1] consumption of electricity for each state based on the number of EVs, average number of miles driven on electricity, and EV fuel economy. Adjustments are made based on data availability from various input sources, to bring lagged data up to the current reporting period, and to adjust national and regional data down to state-level estimates.

The modeling methodology is hierarchical and is composed of a top-level model having components that are estimated using sub-models, which are described in the subsequent sections of this report. The top-level model is based on the average electricity consumed by nameplate (vehicle make and model) and model year in a state and month multiplied by the number of EVs for a particular nameplate and model year in that state and month. Lower-level sub-models estimate the number of EVs based on EV registrations and sales data and the average monthly EV consumption of electricity by EV nameplate and model year based on average estimated monthly vehicle miles traveled on electricity, a utility factor, EV fuel economy, and a weather correction factor.

The top-level model is defined as follows:

$$kWh_{s,m} = \sum_{np=1}^{NP} \sum_{my=1}^{MY} \left(EV\ stocks_{s,m,np,my} * EV\ kWh_{s,m,np,my} \right)$$

where:

$kWh_{s,m}$ is the total consumption in kilowatt-hours (kWh) by EVs in state s and month m

$EV\ stocks_{s,m,np,my}$ is the number of on-road EVs in state s and month m for EV nameplate np and model year my

$EV\ kWh_{s,m,np,my}$ is the average electricity consumed in kWh by EV nameplate np from model year my in state s and month m

MY is the number of model years for each EV nameplate np

NP is the number of nameplates for light-duty EVs listed on fueleconomy.gov

[1] Light-duty battery electric vehicles (BEV) and plug-in hybrid electric vehicles (PHEV) are vehicles weighing less than 8,500 lbs including passenger cars and light trucks.

Vehicle stocks

This sub-model estimates the number of EVs in the top-level model using monthly EV registration and sales data for each state. Registrations rather than cumulative sales are preferred because they account for scrappage and represent the stock of licensed vehicles. Because monthly registration data by state, nameplate, and model year are not available for recent months, estimated monthly sales values by state, nameplate, and model year are cumulatively added to the most recently available end-of-year registration data to create monthly registration estimates for each state, nameplate, and model year.

Specifically, this sub-model is defined as follows:

$$EV\ stocks_{s,m,np,my} = EV\ registrations_{s,m_0,np,my} + \sum_{m_t=m_0+1}^{m} (EV\ sales_{m_t,np,my} * sales\ state\ allocation_{s,m_l})$$

where:

$EV\ registrations_{s,m_0,np,my}$ is the number of registered EVs by state s, EV nameplate np, and model year my by the end of the month m_0 (December of the latest available historical year for state registration data)

$EV\ sales_{m_t,np,my}$ is the national-level EV sales in month m_t for EV nameplate np and model year my

$sales\ state\ allocation_{s,m_l}$ is the share of total new EV registrations in state s in the most recently available new EV registration data month m_l

Sales state allocation shares are calculated as follows:

$$sales\ state\ allocation_{s,m_l} = \frac{new\ EV\ registrations_{s,m_l}}{\sum_{s=1}^{S} new\ EV\ registrations_{s,m_l}}$$

where:

$new\ EV\ registrations_{s,m_l}$ is the number of new EVs registered by state s in the most recently available new EV registration data month m_l

S is all fifty U.S. states and the District of Columbia

In more recent months where sales data must be used, monthly EV scrappage and EVs moving between states are not considered in the model.

EV electricity consumed

This sub-model estimates the average electricity consumed by nameplate (vehicle make and model) and model year in a state and month, which is used in the top-level model. It uses the average EV miles travel multiplied by the vehicle's fuel economy and a weather correction. The weather correction is applied because both cold and hot temperatures significantly decrease battery efficiency, increasing electricity consumption per mile traveled.

Specifically, this sub-model is defined as follows:

$$eV\ kWh_{s,m,np,my} = \sum_{d=1}^{D_m} (weather\ correction_{s,d} * kWh\_per\_mile_{np,my} * avg.eVMT_{s,m,np,my}/D_m)$$

where:

$weather\ correction_{s,d}$ is the vehicle fuel economy correction for state s on day d based on the average daily high and low temperatures recorded at a state representative airport and the effect that average temperature has on the EV range due to decrease in battery efficiency calculated by Geotab

$kWh\_per\_mile_{np,my}$ is the combined city and highway vehicle fuel economy that is estimated by the U.S. Environmental Protection Agency (EPA) for EV nameplate np and model year my

$avg.eVMT_{s,m,np,my}$ is the average vehicle miles traveled on electricity in state s during month m for EV nameplate np and model year my, which is estimated using the sub-model described in the next section

D_m is the total days in month m

Electric vehicle miles traveled

This sub-model of the EV electricity consumed sub-model estimates the average EV miles traveled on electricity in each state for each month by EV nameplate and model year. Data for EV miles traveled are only available at the census division level and for certain powertrains. To account for these issues, the model uses census-division-level EV travel data assigned to component states for the five powertrain categories, EV100, EV200, EV300, PHEV20, and PHEV50, as used in the EIA National Energy Modeling System (NEMS) Transportation Sector Demand Module[2]. Because data for EV miles traveled are only available on an annual basis, and with a lag, monthly EV miles traveled by state are based on the year-over-year change in total state-level vehicle miles traveled. The EPA combined city and highway utility factor is also applied to include only the portion of travel that uses electricity.

Specifically, this sub-model is defined as follows:

$$avg.eVMT_{s,m,np,my} = adjusted\ avg.VMT_{s,m_r,np,my} * current\ month\ adjustment_{s,m} * utility\ factor_{np,my}$$

with m_r being the same calendar month as m but in the most recent EV odometer data year

where:

$adjusted\ avg.VMT_{s,m_r,np,ny}$ is the adjusted average EV miles traveled in state s in month m_r of the reference year for which the latest odometer data are available for EV nameplate np and model year my

$current\ month\ adjustment_{s,m}$ is a temporal adjustment for state s to the adjusted average VMT from month m_r of the most recent EV odometer data year to the current month m

$utility\ factor_{np,my}$ is the portion of EV miles traveled that uses electricity only for EV nameplate np and model year my; the utility factor equals 1 for BEV and is less than 1 for PHEVs

[2] U.S. Energy Information Administration (July 2022), Transportation Sector Demand Module of the National Energy Modeling System: Model Documentation, pg. 136-137.

Since EV odometer data are only produced annually at the census-division level and can lag by more than one year, the data needs to be adjusted to monthly values for individual states to create monthly estimates. The following adjustment converts the yearly data to an average monthly value in that same reference year and converts it from a census-division-level value to a state-level value. Since EV odometer data are only available by powertrain categories, the model uses these categories to represent their underlying EV nameplates and model years.

$$adjusted\ avg.VMT_{s,m_r,np,my} = avg.VMT_{cd,y_r,pt} * \left(\frac{all\ VMT_{s,m_r}}{\sum_{m_r \in y_r} all\ VMT_{s,m_r}} \right), \forall [s \in cd\ \&\ (np,my) \in pt]$$

where:

$avg.VMT_{cd,y_r,pt}, \forall [s \in cd\ \&\ (np,my) \in pt]$ is the average EV vehicle miles traveled in census division cd, representing all component states s, for the most recent EV odometer data year y_r by powertrain category pt, where this value is constant for all EV nameplates np and model years my in a powertrain category pt

$all\ VMT_{s,m_r}$ is the U.S. Department of Transportation Federal Highway Administration's total vehicle miles traveled in state s during month m_r for the most recent EV odometer data year y_r

The following factor adjusts the average EV miles traveled for the year-over-year change in monthly values since the reference month m_r (the most recent available year $y_r$of average EV odometer data) up through month $(m-12)$ (last available complete year of all VMT data for all months).

$$current\ month\ adjustment_{s,m} = \prod_{m_j=(m_r+\ n*12\ (n=0,1,2\ldots(\frac{(m-m_r)}{12}-1))}^{(m-12)} 1 + \frac{(all\ VMT_{s,m_{j+12}} - all\ VMT_{s,m_j})}{all\ VMT_{s,m_j}}$$

where:

$all\ VMT_{s,m_r}$ is the U.S. Department of Transportation Federal Highway Administration's total vehicle miles traveled in state s during month m_r for the most recent EV odometer data

Potential sources of model error

The following list consists of identified potential sources of error in the model-based estimates:

Vehicle stocks:

- For preliminary monthly estimates, monthly EV scrappage and EVs moving between states are not considered in the model.
- Since state EV registration data are lagged, cumulative EV sales are used to estimate monthly state EV registrations, which could cause an over- or under- estimation of the EV stocks within a state.

- Interstate movement of vehicle sales could cause an over- or under- estimation of the EV stocks within a state.
- EV scrappage is not considered, which could cause an over-estimation of electricity consumption if scrappage increases considerably.

Vehicle miles traveled:

- Average EV miles traveled at the state level are derived from census division level values.
- Average EV miles traveled by nameplate and model year are derived from powertrain categories.
- The utility factor does not account for the possibility that many short trips are taken which could result in only electricity being consumed in PHEVs.
- The utility factor does not account for the possibility a PHEV has not been plugged into an electric power source resulting in only gasoline being consumed.
- Variability in driving patterns within a powertrain category could cause an over- or under-estimation of electricity consumption.

Fuel economy:

- Fuel economy factors do not account for decreasing efficiency due to vehicle age and deferred maintenance.
- Fuel economy factors do not account for non-weather related degradation.

Schedule for preliminary and final published data

The estimates provide preliminary monthly estimates based on available data until various final annual data are received. Preliminary published monthly estimates for a given reference year will be finalized after the following:

- Final annual vehicle registration data, provided by a third-party source, being processed and available for the model to consume, which typically occurs with a 12 or 13-month lag from the end of the reference year.
- Final EV odometer readings, provided by a third-party source, being processed and available for the model to consume, which typically occurs with a 12 or 13-month lag from the end of the reference year.

This schedule is separate from the finalization of Electric Power Monthly numbers in the Electric Power Annual.

Data sources and references

The model relies on the following data sources and types of data to estimate electricity consumption for EVs:

- $EV\ registrations$ are third-party data from S&P Global Mobility Vehicles in Operation dataset based on state vehicle registration administrative data from the end of a calendar year.
- $EV\ sales$ are third-party data from Wards Intelligence.

- $new\ EV\ registrations$ are third party data based on state-level new electric vehicle registration administrative data compiled by the Alliance for Automotive Innovation using Information provided by S&P Global Mobility (2011-2018, November 2019-present) and Hedges & Co (January 2019-October 2019).
- kWh_per_mile are administrative data published by EPA on fueleconomy.gov.
- $weather\ correction$ uses research conducted by Geotab and daily high and low temperature readings at airports from the U.S. National Oceanic and Atmospheric Administration (NOAA).
- $avg.VMT$ are third-party odometer reading data from S&P Global Mobility.
- $all\ VMT$ are based on vehicle miles traveled from the U.S. Department of Transportation Federal Highway Administration's Traffic Volume Trends.
- $utility\ factor$ are administrative data published by EPA on fueleconomy.gov.

A full list of all light-duty electric vehicles can be found at fueleconomy.gov.

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

Data sources for Electric Power Monthly

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

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

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

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

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

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

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

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

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

$$Percent\ Difference = \left(\frac{x(t_2) - x(t_1)}{|x(t_1)|}\right) x100$$

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, and bunker C fuel oil)
	SG	Synthesis Gas from Petroleum Coke
	WO	Waste/Other Oil (including crude oil, liquid butane, liquid propane, naphtha, oil waste, re-refined motor oil, sludge oil, tar oil, or other petroleum-based liquid wastes)
Natural Gas and Other Gases	BFG	Blast Furnace Gas
	NG	Natural Gas
	OG	Other Gas
Nuclear	NUC	Nuclear (including Uranium, Plutonium, and Thorium)
Hydroelectric Conventional	WAT (Prime Mover = HY)	Water at a Conventional Hydroelectric Turbine, and water used in Wave Buoy Hydrokinetic Technology, Current Hydrokinetic Technology, and Tidal Hydrokinetic Technology
Hydroelectric Pumped Storage	WAT (Prime Mover = PS)	Pumping Energy for Reversible (Pumped Storage) Hydroelectric Turbine
Wood and Wood-Derived Fuels	WDS	Wood/Wood Waste Solids (including paper pellets, railroad ties, utility poles, wood chips, bark, and wood waste solids)
	WDL	Wood Waste Liquids (excluding Black Liquor but including red liquor, sludge wood, spent sulfite liquor, and other wood-based liquids)
	BLQ	Black Liquor
Other Biomass	AB	Agricultural By-Products
	MSW	Municipal Solid Waste
	OBG	Other Biomass Gas (including digester gas, methane, and other biomass gases)
	OBL	Other Biomass Liquids
	OBS	Other Biomass Solids
	LFG	Landfill Gas
	SLW	Sludge Waste
Other Renewable Energy Sources	SUN	Solar (including solar thermal)
	WND	Wind
	GEO	Geothermal
Other Energy Sources	PUR	Purchased Steam
	WH	Waste heat not directly attributed to a fuel source
	TDF	Tire-Derived Fuels
	MWH	Electricity used for energy storage

OTH	Other

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

Form EIA-860M

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

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

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

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

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

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

Form EIA-861

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

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

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

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

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

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

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

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

Form EIA-923

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

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

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

Instrument and design history:

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

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

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

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

Generation, consumption, and stocks

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

$$Capacity\ Factor_{x,m} = \left(\frac{\sum Generation_{x,m}}{\sum Capacity_{x,m} \times Available\ Time_{x,m}}\right)$$

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

NERC classification

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

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

The new NERC Regional Council names are as follows:

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

Business classification

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

Agriculture, Forestry, and Fishing

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

Mining

211 Oil and gas extraction
2121 Coal mining
2122 Metal mining

2123 Mining and quarrying of nonmetallic minerals except fuels

Construction

23

Manufacturing

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

Transportation and Public Utilities

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

Wholesale Trade

421 to 422

Retail Trade

441 to 454

Finance, Insurance, and Real Estate

521 to 533

Services

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

Public Administration

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Multiple Survey Programs- Small Scale PV Solar Estimation of Generation

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

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

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

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

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

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

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

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

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

e_i is the error term

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

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

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

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

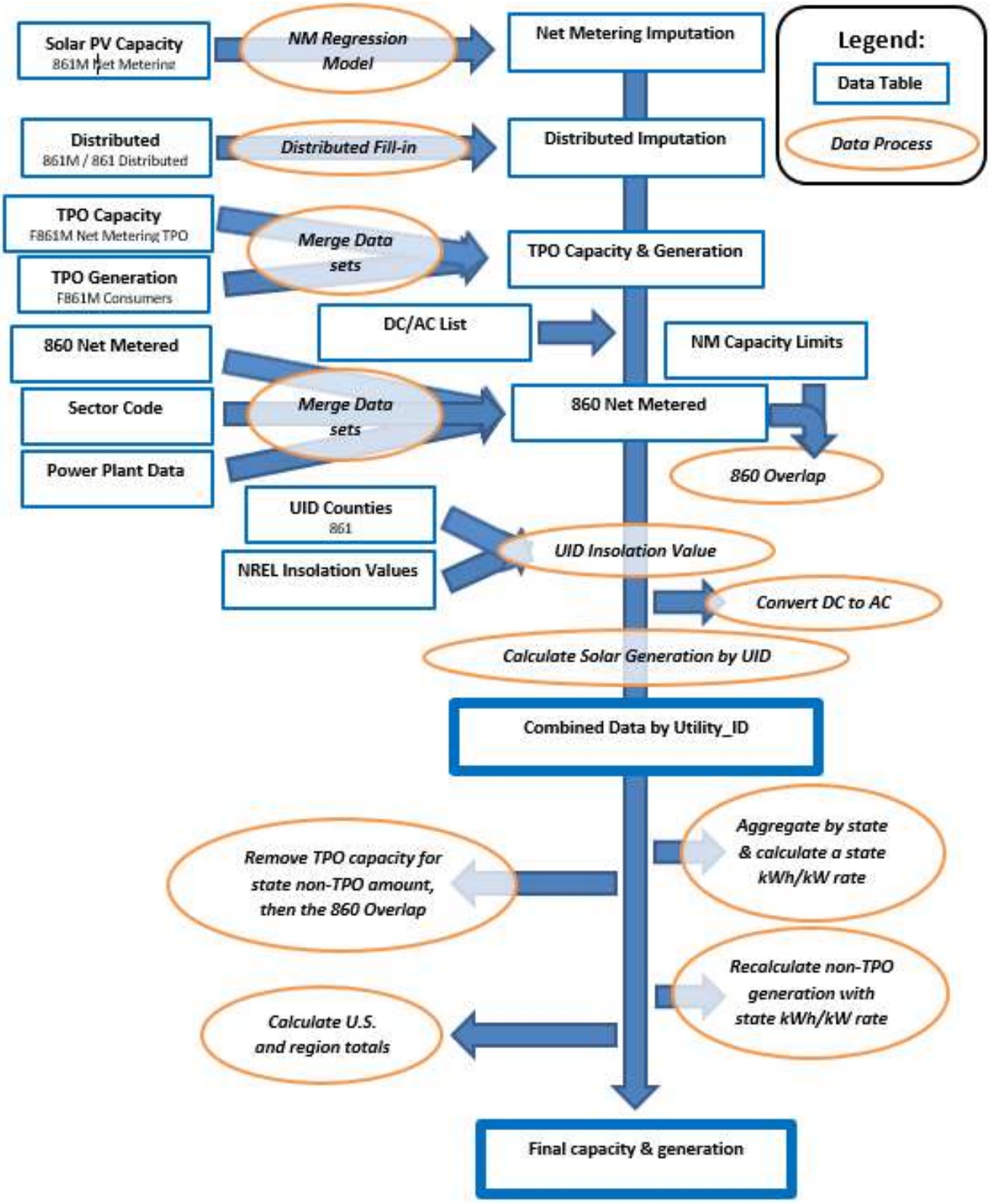
TMY3 (1991-2005) Weather Stations by MSA

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, PA MSA
97	USA OH Youngstown Regional Airport	Youngstown-Warren-Boardman, OH-PA MSA
98	USA FL Melbourne Regional Airport	Palm Bay-Melbourne-Titusville, FL MSA
99	USA TN Chattanooga Lovell Field Airport	Chattanooga, TN-GA MSA
100	USA WA Spokane Int'l Airport	Spokane-Spokane Valley, WA MSA

Appendix 2 – Flow diagram of data sources and analysis



[1] The basic technique employed is described in the paper "Model-Based Sampling and Inference," on the EIA website. Additional references can be found on the InterStat website (http://interstat.statjournals.net/). See the following sources: Knaub, J.R., Jr. (1999a), "Using Prediction-Oriented Software for Survey Estimation," InterStat, 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.