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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 February														
		Total (All Sectors)			Electric Power Sector				Commercial		Industrial		Residential	
					Electric Utilities		Independent Power Producers							
Fuel	Facility Type	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
Net Generation (Thousand Megawatthours)														
Coal	Utility Scale Facilities	44,055	46,488	-5.2%	34,822	34,798	8,861	11,317	20	20	352	353	0	0
Petroleum Liquids	Utility Scale Facilities	775	1,129	-31.4%	595	698	126	380	5	8	49	43	0	0
Petroleum Coke	Utility Scale Facilities	199	335	-40.4%	91	257	93	NM	0	0	15	NM	0	0
Natural Gas	Utility Scale Facilities	130,990	123,928	5.7%	64,428	59,842	57,864	55,673	692	619	8,005	7,794	0	0
Other Gas	Utility Scale Facilities	780	912	-14.5%	0	0	219	239	0	0	561	673	0	0
Nuclear	Utility Scale Facilities	64,584	60,807	6.2%	36,601	34,281	27,983	26,526	0	0	0	0	0	0
Hydroelectric Conventional	Utility Scale Facilities	19,597	18,680	4.9%	17,493	16,851	2,002	1,733	NM	20	83	77	0	0
Renewable Sources Excluding Hydroelectric	Utility Scale Facilities	58,980	56,625	4.2%	9,433	9,643	47,331	44,777	361	333	1,855	1,872	0	0
... Wind	Utility Scale Facilities	41,626	42,184	-1.3%	7,182	7,809	34,422	34,344	10	18	12	13	0	0
... Solar Thermal and Photovoltaic	Utility Scale Facilities	12,389	9,251	33.9%	1,939	1,441	10,363	7,752	59	39	28	19	0	0
... Wood and Wood-Derived Fuels	Utility Scale Facilities	2,468	2,613	-5.6%	178	229	538	604	6	7	1,745	1,773	0	0
... Other Biomass	Utility Scale Facilities	1,229	1,275	-3.6%	78	78	794	861	286	269	70	67	0	0
... Geothermal	Utility Scale Facilities	1,269	1,302	-2.5%	56	87	1,213	1,215	0	0	0	0	0	0
Hydroelectric Pumped Storage	Utility Scale Facilities	-396	-448	-11.5%	-268	-359	-128	-89	0	0	0	0	0	0
Other Energy Sources	Utility Scale Facilities	716	801	-10.6%	12	16	211	270	247	231	245	284	0	0
All Energy Sources	Utility Scale Facilities	320,280	309,258	3.6%	163,207	156,027	144,563	140,879	1,346	1,231	11,164	11,122	0	0
Estimated Small Scale Solar Photovoltaic	Small Scale Facilities	5,417	4,401	23.1%	0	0	0	0	1,396	1,231	299	261	3,722	2,908
Estimated Total Solar Photovoltaic	All Facilities	17,686	13,543	30.6%	1,939	1,441	10,244	7,643	1,455	1,270	327	281	3,722	2,908
Estimated Total Solar	All Facilities	17,806	13,652	30.4%	1,939	1,441	10,363	7,752	1,455	1,270	327	281	3,722	2,908
Consumption of Fossil Fuels for Electricity Generation														
Coal (1000 tons)	Utility Scale Facilities	25,891	26,887	-3.7%	20,140	20,036	5,622	6,727	6	6	123	118	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	1,423	2,003	-28.9%	1,144	1,292	211	651	13	17	55	43	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	104	135	-23.5%	69	107	29	20	0	0	6	8	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	936,436	892,138	5.0%	480,120	451,594	403,490	389,745	4,178	3,797	48,647	47,001	0	0
Consumption of Fossil Fuels for Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	790	811	-2.6%	128	124	38	47	33	34	590	606	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	274	288	-4.8%	4	8	19	29	44	26	207	225	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	40	48	-17.3%	0	1	8	23	1	0	32	24	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	101,981	98,330	3.7%	4,125	3,904	26,675	25,131	6,419	6,084	64,763	63,212	0	0
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	26,681	27,698	-3.7%	20,268	20,160	5,660	6,774	40	40	713	724	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	1,698	2,291	-25.9%	1,148	1,300	230	680	58	42	262	268	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	144	184	-21.9%	69	108	36	43	1	0	38	32	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	1,038,417	990,468	4.8%	484,244	455,497	430,165	414,876	10,597	9,881	113,411	110,213	0	0
Fuel Stocks (end-of-month)														
Coal (1000 tons)	Utility Scale Facilities	127,646	100,239	27.3%	105,995	82,181	21,112	17,519	53	62	486	476	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	23,720	26,271	-9.7%	13,703	14,931	8,706	9,365	281	621	1,029	1,355	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	531	468	13.5%	301	356	8	12	1	1	221	99	0	0

Sales, Revenue, and Average Price of Electricity to Ultimate Customers for February									
	Total U.S. Electric Power Industry								
	Sales of Electricity to Ultimate Customers (million kWh)			Revenue from Sales of Electricity to Ultimate Customers (million dollars)			Average Price of Electricity to Ultimate Customers (cents/kWh)		
Sector	February 2024	February 2023	Percentage Change	February 2024	February 2023	Percentage Change	February 2024	February 2023	Percentage Change
Residential	117,716	112,543	4.6%	18,951	17,983	5.4%	16.10	15.98	0.8%
Commercial	106,394	101,434	4.9%	13,631	12,878	5.9%	12.81	12.70	0.9%
Industrial	77,915	76,054	2.4%	6,084	6,158	-1.2%	7.81	8.10	-3.6%
Transportation	518	550	-5.8%	68	71	-4.3%	13.20	12.99	1.6%
All Sectors	302,543	290,582	4.1%	38,735	37,090	4.4%	12.80	12.76	0.3%

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

Table ES1.B. Total Electric Power Industry Summary Statistics, Year-to-Date 2024 and 2023

Net Generation and Consumption of Fuels for January through February															
		Total (All Sectors)			Electric Power Sector				Commercial		Industrial		Residential	
					Electric Utilities		Independent Power Producers							
Fuel	Facility Type	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD
Net Generation (Thousand Megawatthours)														
Coal	Utility Scale Facilities	119,716	107,762	11.1%	93,319	82,609	25,608	24,361	50	42	739	751	0	0
Petroleum Liquids	Utility Scale Facilities	2,267	2,124	6.8%	1,631	1,456	516	555	16	16	105	97	0	0
Petroleum Coke	Utility Scale Facilities	516	741	-30.3%	291	522	188	165	1	1	36	52	0	0
Natural Gas	Utility Scale Facilities	291,441	261,654	11.4%	142,647	127,540	130,192	116,732	1,443	1,283	17,159	16,098	0	0
Other Gas	Utility Scale Facilities	1,809	1,902	-4.9%	0	0	506	524	0	0	1,304	1,378	0	0
Nuclear	Utility Scale Facilities	133,664	131,677	1.5%	75,691	74,788	57,972	56,889	0	0	0	0	0	0
Hydroelectric Conventional	Utility Scale Facilities	40,834	40,967	-0.3%	36,344	36,741	4,276	4,016	41	43	173	167	0	0
Renewable Sources Excluding Hydroelectric	Utility Scale Facilities	109,118	109,838	-0.7%	17,257	17,894	87,284	87,264	750	709	3,828	3,972	0	0
... Wind	Utility Scale Facilities	76,601	81,396	-5.9%	13,347	14,415	63,212	66,923	21	34	22	24	0	0
... Solar Thermal and Photovoltaic	Utility Scale Facilities	22,040	17,233	27.9%	3,201	2,632	18,687	14,491	103	74	49	36	0	0
... Wood and Wood-Derived Fuels	Utility Scale Facilities	5,289	5,655	-6.5%	441	506	1,210	1,360	22	18	3,616	3,771	0	0
... Other Biomass	Utility Scale Facilities	2,551	2,695	-5.3%	153	169	1,654	1,803	603	583	140	141	0	0
... Geothermal	Utility Scale Facilities	2,637	2,860	-7.8%	116	172	2,521	2,688	0	0	0	0	0	0
Hydroelectric Pumped Storage	Utility Scale Facilities	-807	-1,060	-23.8%	-561	-858	-247	-202	0	0	0	0	0	0
Other Energy Sources	Utility Scale Facilities	1,521	1,683	-9.6%	32	38	449	567	525	502	514	576	0	0
All Energy Sources	Utility Scale Facilities	700,079	657,289	6.5%	366,651	340,730	306,744	290,871	2,827	2,596	23,857	23,091	0	0
Estimated Small Scale Solar Photovoltaic	Small Scale Facilities	10,200	8,393	21.5%	0	0	0	0	2,602	2,336	567	508	7,030	5,549
Estimated Total Solar Photovoltaic	All Facilities	32,041	25,433	26.0%	3,201	2,632	18,489	14,298	2,705	2,410	616	544	7,030	5,549
Estimated Total Solar	All Facilities	32,240	25,626	25.8%	3,201	2,632	18,687	14,491	2,705	2,410	616	544	7,030	5,549
Consumption of Fossil Fuels for Electricity Generation														
Coal (1000 tons)	Utility Scale Facilities	68,287	62,356	9.5%	52,545	47,370	15,472	14,719	16	14	254	253	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	4,205	3,791	10.9%	3,136	2,697	921	954	37	38	111	103	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	238	298	-20.3%	164	223	60	57	0	0	14	18	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	2,094,461	1,884,365	11.1%	1,064,723	957,608	916,697	820,299	8,731	7,916	104,310	98,542	0	0
Consumption of Fossil Fuels for Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	1,737	1,763	-1.5%	284	280	90	114	80	72	1,283	1,298	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	783	676	15.8%	24	15	44	64	130	83	584	515	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	94	91	3.1%	0	2	16	31	2	2	76	57	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	218,851	207,406	5.5%	8,715	8,339	55,259	51,212	13,587	12,784	141,290	135,070	0	0
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	70,024	64,119	9.2%	52,829	47,650	15,563	14,833	96	86	1,536	1,550	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	4,988	4,468	11.7%	3,160	2,712	965	1,018	167	121	696	617	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	332	389	-14.8%	164	224	75	89	2	2	90	74	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	2,313,312	2,091,771	10.6%	1,073,438	965,947	971,956	871,512	22,318	20,701	245,599	233,612	0	0

Sales, Revenue, and Average Price of Electricity to Ultimate Customers for January through February									
	Total U.S. Electric Power Industry								
	Sales of Electricity to Ultimate Customers (million kWh)			Revenue from Sales of Electricity to Ultimate Customers (million dollars)			Average Price of Electricity to Ultimate Customers (cents/kWh)		
Sector	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	Percentage Change
Residential	260,555	244,602	6.5%	41,021	38,418	6.8%	15.74	15.71	0.2%
Commercial	221,237	211,927	4.4%	28,199	26,966	4.6%	12.75	12.72	0.2%
Industrial	160,639	155,019	3.6%	12,784	12,730	0.4%	7.96	8.21	-3.0%
Transportation	1,123	1,118	0.4%	145	142	2.4%	12.92	12.67	2.0%
All Sectors	643,553	612,666	5.0%	82,148	78,255	5.0%	12.76	12.77	-0.1%

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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 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.
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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	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
Coal (1000 tons)	30,314	33,783	46.63	49.04	181	195	62,483	71,824	46.55	49.23
Petroleum Liquids (1000 barrels)	1,042	1,631	118.95	122.48	92	115	2,711	3,867	115.98	127.64
Petroleum Coke (1000 tons)	50	136	73.05	136.95	2	5	83	312	73.09	130.79
Natural Gas (1000 Mcf)	879,903	839,005	2.98	4.53	576	577	1,950,863	1,778,069	4.06	6.00

Electric Utilities

							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
Coal (1000 tons)	23,172	25,198	49.19	50.86	137	142	47,797	54,377	48.75	50.72
Petroleum Liquids (1000 barrels)	840	1,031	118.71	132.90	66	80	2,071	2,670	116.03	132.19
Petroleum Coke (1000 tons)	50	136	73.05	136.95	2	5	83	312	73.09	130.79
Natural Gas (1000 Mcf)	425,831	398,400	3.47	5.10	302	298	934,132	852,237	4.35	7.17

Independent Power Producers

							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
Coal (1000 tons)	6,587	8,061	36.22	41.37	32	37	13,647	16,374	37.83	42.92
Petroleum Liquids (1000 barrels)	170	545	122.20	103.54	18	26	557	1,087	117.28	117.96
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	0.00	0.00
Natural Gas (1000 Mcf)	392,048	379,376	2.40	4.05	228	233	883,197	796,505	3.85	4.83

Commercial Sector

							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)		Number of Plants		(Physical Units)		(Dollars / Physical Unit)	
Fuel	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
Coal (1000 tons)	2	1	96.51	97.20	1	1	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)	641	683	3.42	3.11	3	3	1,327	1,365	3.42	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	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
Coal (1000 tons)	553	523	62.42	78.83	11	15	1,033	1,071	59.18	69.48
Petroleum Liquids (1000 barrels)	32	55	108.28	104.12	8	9	83	110	106.01	106.19
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	0.00	0.00
Natural Gas (1000 Mcf)	61,384	60,546	2.66	3.32	43	43	132,207	127,961	3.23	4.30

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	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
Coal	566,897	637,812	2.49	2.60	181	195	1,167,888	1,361,481	2.49	2.60
Petroleum Liquids	6,341	9,911	19.55	20.13	92	115	16,417	23,363	19.15	21.11
Petroleum Coke	1,385	3,886	2.63	4.80	2	5	2,293	8,758	2.64	4.66
Natural Gas	910,552	866,448	2.88	4.39	576	577	2,018,999	1,838,276	3.93	5.80
Fossil Fuels	1,485,175	1,518,056	2.80	3.71	685	695	3,205,597	3,231,877	3.45	4.49

Electric Utilities

							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
Coal	442,174	479,262	2.58	2.67	137	142	909,849	1,035,633	2.56	2.66
Petroleum Liquids	5,117	6,212	19.49	22.06	66	80	12,556	16,064	19.14	21.98
Petroleum Coke	1,385	3,886	2.63	4.80	2	5	2,293	8,758	2.64	4.66
Natural Gas	440,056	410,830	3.35	4.95	302	298	965,763	880,248	4.21	6.94
Fossil Fuels	888,731	900,190	3.06	3.85	385	382	1,890,462	1,940,703	3.51	4.76

Independent Power Producers

							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
Coal	113,481	147,634	2.10	2.25	32	37	237,156	303,829	2.17	2.31
Petroleum Liquids	1,029	3,366	20.12	16.69	18	26	3,353	6,631	19.49	19.27
Petroleum Coke	0	0	--	--	0	0	0	0	0.00	0.00
Natural Gas	406,630	392,667	2.31	3.91	228	233	915,678	825,007	3.71	4.66
Fossil Fuels	521,141	543,667	2.30	3.48	252	265	1,156,187	1,135,467	3.39	4.03

Commercial Sector

							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
Coal	43	22	4.28	4.28	1	1	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	666	707	3.29	3.01	3	3	1,380	1,413	3.29	3.06
Fossil Fuels	709	728	3.35	3.05	3	3	1,508	1,456	3.38	3.10

Industrial Sector

							Year-to-Date			
	Receipts		Cost				Receipts		Cost	
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)	
Fuel	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
Coal	11,198	10,894	3.08	3.79	11	15	20,755	21,976	2.95	3.39
Petroleum Liquids	195	332	18.01	17.22	8	9	508	668	17.34	17.49
Petroleum Coke	0	0	--	--	0	0	0	0	0.00	0.00
Natural Gas	63,201	62,244	2.58	3.23	43	43	136,178	131,608	3.14	4.18
Fossil Fuels	74,594	73,471	2.70	3.37	45	45	157,440	154,252	3.16	4.12

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-February 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
Year to Date															
2022	158,555	4,220	1,185	249,893	1,891	132,429	45,518	16,849	86,514	-906	1,929	698,077	7,093	23,651	23,942
2023	107,762	2,124	741	261,654	1,902	131,677	40,967	17,233	92,605	-1,060	1,683	657,289	8,393	25,433	25,626
2024	119,716	2,267	516	291,441	1,809	133,664	40,834	22,040	87,078	-807	1,521	700,079	10,200	32,041	32,240
Rolling 12 Months Ending in February															
2023	780,719	13,710	6,682	1,698,828	11,734	770,785	250,238	144,181	508,322	-6,182	10,868	4,189,884	62,581	203,862	206,763
2024	687,218	11,737	4,653	1,831,849	11,358	777,334	239,722	169,309	483,634	-5,644	9,793	4,220,962	75,426	241,878	244,735

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 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-February 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
Year to Date													
2022	75,061	16,558	291	6,003	1,449	924	365	2,713	45,518	148,881	7,093	23,651	23,942
2023	81,396	17,040	193	5,655	1,408	906	382	2,860	40,967	150,806	8,393	25,433	25,626
2024	76,601	21,842	199	5,289	1,307	890	354	2,637	40,834	149,952	10,200	32,041	32,240
Rolling 12 Months Ending in February													
2023	440,632	141,280	2,901	35,115	8,494	5,758	2,089	16,234	250,238	902,741	62,581	203,862	206,763
2024	420,441	166,453	2,856	31,073	8,185	5,571	2,125	16,239	239,722	892,664	75,426	241,878	244,735

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-February 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
Year to Date												
2022	114,734	1,883	841	122,436	0	73,595	41,803	2,254	16,256	-721	108	373,188
2023	82,609	1,456	522	127,540	0	74,788	36,741	2,632	15,262	-858	38	340,730
2024	93,319	1,631	291	142,647	0	75,691	36,344	3,201	14,057	-561	32	366,651
Rolling 12 Months Ending in February												
2023	589,728	8,928	5,064	837,525	0	429,126	227,891	18,075	85,239	-4,888	463	2,197,153
2024	529,197	8,598	2,915	905,966	0	442,758	216,655	22,462	77,779	-4,249	272	2,202,353

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 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.B Net Generation by Energy Source: Independent Power Producers, 2014-February 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
Year to Date												
2022	42,919	2,216	275	110,116	543	58,834	3,510	14,488	65,496	-184	613	298,825
2023	24,361	555	165	116,732	524	56,889	4,016	14,491	72,773	-202	567	290,871
2024	25,608	516	188	130,192	506	57,972	4,276	18,687	68,596	-247	449	306,744
Rolling 12 Months Ending in February												
2023	185,685	4,073	NM	756,882	3,433	341,659	21,179	125,158	394,866	-1,293	3,441	1,836,327
2024	153,461	2,558	1,452	817,859	3,215	334,576	21,920	145,788	379,382	-1,396	2,964	1,861,780

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 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-February 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
Year to Date															
2022	48	29	2	1,219	0	0	46	79	682	0	530	2,634	2,128	2,206	2,206
2023	42	16	1	1,283	0	0	43	74	635	0	502	2,596	2,336	2,410	2,410
2024	50	16	1	1,443	0	0	41	103	647	0	525	2,827	2,602	2,705	2,705
Rolling 12 Months Ending in February															
2023	281	88	9	7,895	0	0	261	664	4,138	0	3,363	16,699	17,932	18,596	18,596
2024	NM	NM	2	8,530	0	0	NM	719	3,919	0	3,221	16,906	19,737	20,456	20,456

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 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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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-February 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
Year to Date															
2022	854	91	67	16,123	1,348	0	160	28	4,081	0	678	23,429	474	502	502
2023	751	97	52	16,098	1,378	0	167	36	3,936	0	576	23,091	508	544	544
2024	739	105	36	17,159	1,304	0	173	49	3,779	0	514	23,857	567	616	616
Rolling 12 Months Ending in February															
2023	5,025	620	NM	96,525	8,301	0	907	284	24,079	0	3,600	139,705	4,082	4,366	4,366
2024	4,352	511	NM	99,494	8,143	0	NM	340	22,553	0	3,336	139,923	4,473	4,813	4,813

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.
Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases.
Other Gas includes blast furnace gas and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.
See the Technical Notes for fuel conversion factors.
Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.
Other includes non-biogenic municipal solid waste, batteries, hydrogen, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.
Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.
See Glossary for definitions. Values for 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-February 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
Year to Date	
2022	4,492
2023	5,549
2024	7,030
Rolling 12 Months Ending in February	
2023	40,568
2024	51,216

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, February 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	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
New England	7,998	7,801	2.5%	122	135	7,512	7,312	190	173	173	182
Connecticut	3,403	3,260	4.4%	7	6	3,304	3,185	28	24	63	45
Maine	991	887	11.7%	NM	NM	908	774	3	3	80	109
Massachusetts	1,628	1,647	-1.1%	31	43	1,437	1,454	149	137	12	13
New Hampshire	1,291	1,310	-1.4%	NM	NM	1,281	1,301	7	6	2	2
Rhode Island	491	513	-4.3%	0	0	473	497	3	3	15	13
Vermont	193	184	4.7%	83	85	109	99	0	0	0	0
Middle Atlantic	35,049	33,335	5.1%	3,047	2,753	31,179	29,870	333	256	490	456
New Jersey	4,815	4,109	17.2%	NM	NM	4,652	3,979	96	71	52	47
New York	10,454	9,401	11.2%	3,018	2,734	7,170	6,455	189	143	78	69
Pennsylvania	19,780	19,825	-0.2%	14	6	19,358	19,435	48	43	360	341
East North Central	47,390	44,959	5.4%	15,599	15,081	30,808	28,849	149	148	834	880
Illinois	14,486	13,832	4.7%	378	258	13,900	13,358	39	37	168	179
Indiana	7,188	7,534	-4.6%	3,987	4,226	2,810	2,866	18	20	373	421
Michigan	9,822	9,229	6.4%	6,210	5,862	3,441	3,200	60	59	111	108
Ohio	11,082	9,619	15.2%	1,325	1,048	9,689	8,497	22	20	47	53
Wisconsin	4,813	4,745	1.4%	3,700	3,687	968	928	10	12	135	118
West North Central	27,340	27,801	-1.7%	18,571	18,890	8,338	8,517	47	54	384	339
Iowa	5,618	5,992	-6.2%	4,271	4,607	1,156	1,222	13	17	178	146
Kansas	4,424	4,596	-3.7%	1,936	2,287	2,456	2,271	NM	NM	31	36
Minnesota	4,499	4,284	5.0%	2,998	2,800	1,364	1,358	16	20	121	107
Missouri	4,522	4,545	-0.5%	3,915	3,965	587	561	16	14	4	4
Nebraska	3,201	3,175	0.8%	2,071	1,886	1,095	1,260	1	1	32	27
North Dakota	3,518	3,777	-6.9%	2,669	2,755	837	1,010	0	0	NM	13
South Dakota	1,559	1,431	8.9%	710	590	842	836	NM	NM	6	6
South Atlantic	59,819	55,616	7.6%	49,575	45,617	8,703	8,443	230	220	1,311	1,336
Delaware	332	192	73.0%	NM	1	231	93	NM	NM	100	97
District of Columbia	17	13	34.4%	NM	0	NM	NM	16	12	0	0
Florida	17,199	16,889	1.8%	16,031	15,662	805	805	93	97	271	325
Georgia	10,016	8,484	18.1%	8,319	6,816	1,294	1,308	NM	NM	404	360
Maryland	1,961	2,387	-17.8%	126	291	1,806	2,069	25	23	5	4
North Carolina	10,105	8,923	13.2%	8,401	7,380	1,575	1,402	23	16	107	124
South Carolina	8,010	7,618	5.1%	7,632	7,237	251	238	0	0	127	143
Virginia	8,978	7,121	26.1%	6,742	5,712	1,975	1,159	73	71	189	179
West Virginia	3,200	3,988	-19.8%	2,325	2,516	765	1,367	0	0	110	105
East South Central	27,687	26,012	6.4%	24,656	22,128	2,272	3,166	17	17	743	700
Alabama	10,243	10,090	1.5%	7,927	6,830	1,941	2,891	0	0	376	369
Kentucky	5,049	4,559	10.7%	4,994	4,479	9	35	NM	NM	46	45
Mississippi	5,464	5,159	5.9%	5,154	4,885	170	127	0	0	140	147
Tennessee	6,932	6,203	11.7%	6,581	5,934	152	113	17	17	182	140
West South Central	56,134	55,835	0.5%	14,764	15,547	35,449	34,296	90	71	5,831	5,922
Arkansas	3,980	4,185	-4.9%	3,470	3,687	421	411	NM	NM	86	84
Louisiana	6,896	6,878	0.3%	4,155	4,269	469	336	NM	NM	2,263	2,270
Oklahoma	6,759	6,584	2.7%	2,325	2,234	4,368	4,287	0	-2	66	66
Texas	38,499	38,188	0.8%	4,813	5,358	30,191	29,262	78	66	3,417	3,503
Mountain	28,834	28,080	2.7%	19,887	19,491	8,632	8,316	51	43	264	230
Arizona	7,975	7,598	5.0%	6,531	6,120	1,431	1,468	NM	8	NM	NM
Colorado	4,895	4,388	11.6%	3,311	2,955	1,564	1,417	2	2	17	14
Idaho	1,295	1,249	3.7%	786	772	452	425	6	6	51	46
Montana	2,187	2,398	-8.8%	710	821	1,475	1,576	0	0	NM	2
Nevada	3,130	2,969	5.4%	1,987	1,867	1,093	1,072	8	8	42	23
New Mexico	3,583	3,294	8.8%	1,813	1,801	1,764	1,485	NM	8	0	0
Utah	2,323	2,855	-18.6%	1,888	2,447	394	377	NM	12	26	19
Wyoming	3,446	3,329	3.5%	2,861	2,708	460	496	0	0	125	124
Pacific Contiguous	28,794	28,647	0.5%	16,047	15,512	11,443	11,893	199	194	1,105	1,049
California	15,842	15,118	4.8%	6,180	5,279	8,575	8,814	190	186	897	839
Oregon	5,135	5,195	-1.1%	3,348	3,279	1,728	1,856	6	6	53	54
Washington	7,816	8,334	-6.2%	6,519	6,954	1,141	1,223	2	NM	154	156
Pacific Noncontiguous	1,235	1,173	5.3%	939	873	227	218	41	55	28	27
Alaska	553	481	15.0%	502	426	16	17	26	28	9	10
Hawaii	682	692	-1.4%	437	447	211	200	15	28	19	17
U.S. Total	320,280	309,258	3.6%	163,207	156,027	144,563	140,879	1,346	1,231	11,164	11,122

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 February 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	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD
New England	17,182	16,319	5.3%	264	263	16,167	15,287	394	365	356	404
Connecticut	6,920	7,000	-1.1%	14	14	6,720	6,829	58	50	128	107
Maine	2,136	1,903	12.2%	NM	NM	1,961	1,656	7	8	168	238
Massachusetts	3,776	3,188	18.4%	75	76	3,367	2,798	310	287	23	26
New Hampshire	2,886	2,736	5.5%	NM	NM	2,865	2,717	13	12	5	4
Rhode Island	1,069	1,113	-4.0%	0	0	1,031	1,079	6	7	32	27
Vermont	395	379	4.2%	172	170	222	209	1	1	0	0
Middle Atlantic	73,677	69,767	5.6%	6,295	5,780	65,659	62,444	689	580	1,034	963
New Jersey	10,447	9,220	13.3%	NM	25	10,114	8,946	196	150	110	99
New York	21,703	19,568	10.9%	6,242	5,732	14,906	13,354	391	336	164	146
Pennsylvania	41,528	40,980	1.3%	27	23	40,639	40,144	101	95	761	718
East North Central	103,844	95,666	8.5%	35,813	33,404	65,926	60,114	308	306	1,798	1,841
Illinois	31,005	29,283	5.9%	775	648	29,795	28,162	81	80	354	393
Indiana	16,788	15,686	7.0%	10,192	9,072	5,737	5,708	37	39	822	866
Michigan	20,079	20,187	-0.5%	12,896	13,363	6,828	6,470	125	124	231	230
Ohio	24,592	20,215	21.7%	2,863	2,273	21,568	17,789	45	41	115	112
Wisconsin	11,380	10,296	10.5%	9,087	8,047	1,998	1,985	20	23	276	241
West North Central	60,143	59,573	1.0%	43,652	42,802	15,606	15,955	106	107	778	709
Iowa	11,831	11,981	-1.3%	9,341	9,416	2,113	2,220	25	29	351	316
Kansas	9,704	9,862	-1.6%	5,196	5,356	4,433	4,431	NM	NM	72	72
Minnesota	9,636	9,596	0.4%	6,621	6,741	2,723	2,595	47	43	245	217
Missouri	11,756	11,012	6.8%	10,491	9,825	1,227	1,148	29	29	9	10
Nebraska	6,684	6,899	-3.1%	4,668	4,525	1,950	2,314	3	3	63	57
North Dakota	7,381	7,595	-2.8%	5,771	5,806	1,585	1,763	0	0	25	25
South Dakota	3,152	2,629	19.9%	1,564	1,132	1,575	1,485	NM	NM	13	12
South Atlantic	132,541	120,140	10.3%	110,128	98,870	19,168	18,017	475	454	2,770	2,798
Delaware	688	552	24.6%	NM	2	476	345	NM	1	210	205
District of Columbia	34	26	29.7%	NM	NM	3	3	31	23	0	0
Florida	36,969	35,857	3.1%	34,416	33,308	1,772	1,696	195	197	587	656
Georgia	22,606	18,491	22.3%	18,893	15,051	2,884	2,650	NM	NM	828	790
Maryland	5,093	5,075	0.3%	372	664	4,659	4,353	51	49	11	8
North Carolina	22,659	19,918	13.8%	19,216	16,724	3,150	2,882	49	35	245	276
South Carolina	17,143	16,069	6.7%	16,367	15,314	486	460	1	1	290	294
Virginia	18,511	15,520	19.3%	14,252	12,343	3,741	2,672	148	148	371	357
West Virginia	8,838	8,633	2.4%	6,612	5,464	1,997	2,956	0	0	229	212
East South Central	62,212	56,425	10.3%	54,637	48,335	5,999	6,597	36	37	1,540	1,456
Alabama	23,123	21,853	5.8%	17,058	15,188	5,292	5,904	0	0	773	761
Kentucky	11,864	10,103	17.4%	11,662	9,958	102	49	NM	NM	100	95
Mississippi	12,252	11,216	9.2%	11,639	10,500	318	410	0	0	296	307
Tennessee	14,973	13,254	13.0%	14,277	12,690	288	235	36	36	372	293
West South Central	126,510	117,021	8.1%	37,532	33,677	76,109	71,075	199	152	12,670	12,117
Arkansas	10,030	9,772	2.6%	8,934	8,692	916	900	NM	NM	172	172
Louisiana	15,541	13,966	11.3%	9,412	8,448	1,163	664	23	NM	4,943	4,842
Oklahoma	15,334	13,688	12.0%	6,658	5,026	8,534	8,525	-1	-4	143	142
Texas	85,606	79,595	7.6%	12,528	11,512	65,496	60,986	170	136	7,412	6,962
Mountain	60,671	59,751	1.5%	42,755	42,784	17,265	16,403	105	89	546	474
Arizona	17,063	16,001	6.6%	13,995	13,317	3,041	2,664	24	17	NM	NM
Colorado	10,153	9,517	6.7%	7,072	6,699	3,041	2,785	4	3	36	30
Idaho	2,692	2,621	2.7%	1,670	1,645	916	868	12	12	94	96
Montana	4,606	4,722	-2.5%	1,544	1,737	3,059	2,981	0	0	3	4
Nevada	6,777	6,231	8.7%	4,486	4,027	2,182	2,139	16	15	93	50
New Mexico	7,117	6,808	4.5%	3,726	3,470	3,369	3,322	NM	16	5	0
Utah	4,931	6,359	-22.4%	4,117	5,596	724	692	34	26	56	45
Wyoming	7,333	7,492	-2.1%	6,144	6,293	933	953	0	0	256	246
Pacific Contiguous	60,663	60,090	1.0%	33,548	32,918	24,395	24,513	413	388	2,307	2,271
California	33,552	32,044	4.7%	12,575	11,295	18,706	18,567	396	373	1,875	1,809
Oregon	10,502	10,577	-0.7%	6,950	6,975	3,424	3,475	13	13	116	114
Washington	16,608	17,468	-4.9%	14,023	14,648	2,264	2,470	3	2	317	348
Pacific Noncontiguous	2,635	2,536	3.9%	2,027	1,897	449	466	102	117	58	56
Alaska	1,177	1,050	12.2%	1,069	938	33	33	56	59	19	20
Hawaii	1,458	1,487	-1.9%	958	959	416	433	46	59	38	37
U.S. Total	700,079	657,289	6.5%	366,651	340,730	306,744	290,871	2,827	2,596	23,857	23,091

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, February 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	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
New England	3	83	-96.3%	0	0	3	83	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	3	6	-49.9%	0	0	3	6	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	77	-100.0%	0	0	0	77	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	1,096	1,231	-11.0%	0	0	1,092	1,223	0	0	4	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	1,096	1,231	-11.0%	0	0	1,092	1,223	0	0	4	8
East North Central	9,001	10,651	-15.5%	5,673	6,125	3,258	4,440	4	6	65	80
Illinois	1,745	2,141	-18.5%	91	101	1,603	1,970	1	1	51	69
Indiana	2,788	3,314	-15.9%	2,504	2,957	281	352	3	5	0	0
Michigan	1,368	1,600	-14.5%	1,356	1,571	10	28	0	0	NM	NM
Ohio	1,837	2,334	-21.3%	474	244	1,364	2,090	0	0	0	0
Wisconsin	1,261	1,262	0.0%	1,249	1,251	0	0	0	0	NM	11
West North Central	7,863	8,764	-10.3%	7,705	8,621	0	0	2	3	156	140
Iowa	617	890	-30.7%	511	797	0	0	0	2	106	92
Kansas	544	1,091	-50.1%	544	1,091	0	0	0	0	0	0
Minnesota	875	746	17.4%	865	735	0	0	0	0	NM	11
Missouri	2,460	2,727	-9.8%	2,459	2,726	0	0	2	1	0	0
Nebraska	1,302	1,240	5.0%	1,270	1,213	0	0	0	0	31	27
North Dakota	1,944	1,993	-2.4%	1,936	1,983	0	0	0	0	NM	10
South Dakota	120	77	55.3%	120	77	0	0	0	0	0	0
South Atlantic	6,338	6,510	-2.6%	5,798	5,406	508	1,068	2	0	29	36
Delaware	-3	-3	4.8%	0	0	-3	-3	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	334	679	-50.8%	333	677	0	0	0	0	1	NM
Georgia	1,224	573	113.5%	1,210	564	0	0	0	0	14	9
Maryland	85	67	26.4%	0	0	85	67	0	0	0	0
North Carolina	973	642	51.5%	968	633	0	0	2	0	3	10
South Carolina	960	829	15.8%	959	815	0	11	0	0	1	4
Virginia	104	290	-64.3%	93	278	0	0	0	0	11	12
West Virginia	2,661	3,431	-22.4%	2,235	2,438	426	993	0	0	0	0
East South Central	6,505	5,514	18.0%	6,340	5,383	123	101	0	0	42	30
Alabama	1,367	1,149	19.0%	1,367	1,149	0	0	0	0	0	0
Kentucky	3,607	3,032	19.0%	3,607	3,032	0	0	0	0	0	0
Mississippi	128	131	-2.0%	5	30	123	101	0	0	0	0
Tennessee	1,404	1,203	16.7%	1,362	1,173	0	0	0	0	42	30
West South Central	5,262	5,270	-0.2%	2,801	2,477	2,457	2,791	0	0	4	3
Arkansas	1,306	740	76.5%	1,073	465	231	273	0	0	2	3
Louisiana	336	114	193.9%	246	114	89	0	0	0	0	0
Oklahoma	133	196	-32.1%	131	196	0	0	0	0	2	0
Texas	3,487	4,220	-17.4%	1,350	1,702	2,136	2,518	0	0	0	0
Mountain	7,589	7,963	-4.7%	6,454	6,764	1,105	1,170	0	0	30	29
Arizona	968	1,068	-9.4%	968	1,068	0	0	0	0	0	0
Colorado	1,628	1,337	21.8%	1,628	1,337	0	0	0	0	0	0
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	941	1,030	-8.7%	0	0	940	1,030	0	0	NM	NM
Nevada	162	111	45.0%	87	54	75	57	0	0	0	0
New Mexico	819	870	-5.9%	819	870	0	0	0	0	0	0
Utah	842	1,466	-42.6%	808	1,432	33	34	0	0	0	0
Wyoming	2,229	2,079	7.2%	2,144	2,002	57	48	0	0	29	29
Pacific Contiguous	326	457	-28.7%	0	0	306	430	0	0	20	28
California	18	25	-28.2%	0	0	0	0	0	0	18	25
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	308	432	-28.7%	0	0	306	430	0	0	2	3
Pacific Noncontiguous	72	45	59.3%	51	22	NM	12	11	12	0	0
Alaska	72	45	59.3%	51	22	NM	12	11	12	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	44,055	46,488	-5.2%	34,822	34,798	8,861	11,317	20	20	352	353

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

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

by State, by Sector, Year-to-Date through February 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	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD
New England	34	112	-69.8%	0	0	34	112	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	5	12	-56.7%	0	0	5	12	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	29	100	-71.4%	0	0	29	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	3,638	2,166	68.0%	0	0	3,624	2,150	0	0	13	16
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	3,638	2,166	68.0%	0	0	3,624	2,150	0	0	13	16
East North Central	25,663	24,947	2.9%	15,931	14,990	9,582	9,765	10	8	140	183
Illinois	4,792	4,687	2.3%	253	245	4,425	4,277	2	NM	112	161
Indiana	7,895	7,125	10.8%	7,256	6,472	632	648	7	5	0	0
Michigan	3,559	4,680	-24.0%	3,528	4,625	28	55	0	0	NM	NM
Ohio	5,556	5,437	2.2%	1,059	653	4,497	4,784	0	0	0	0
Wisconsin	3,861	3,018	27.9%	3,835	2,995	0	0	0	0	26	22
West North Central	22,185	21,810	1.7%	21,855	21,508	0	0	9	9	320	293
Iowa	2,440	2,223	9.8%	2,221	2,020	0	0	1	NM	219	197
Kansas	2,306	2,833	-18.6%	2,306	2,833	0	0	0	0	0	0
Minnesota	2,622	2,299	14.1%	2,596	2,278	0	0	4	0	22	21
Missouri	7,147	6,897	3.6%	7,142	6,895	0	0	5	2	0	0
Nebraska	3,044	3,137	-3.0%	2,983	3,081	0	0	0	0	61	57
North Dakota	4,297	4,344	-1.1%	4,278	4,325	0	0	0	0	NM	19
South Dakota	329	77	325.3%	329	77	0	0	0	0	0	0
South Atlantic	19,008	13,872	37.0%	17,326	11,522	1,616	2,275	7	0	59	75
Delaware	15	-5	-383.8%	0	0	15	-5	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,163	1,513	-23.1%	1,160	1,508	0	0	0	0	3	5
Georgia	3,304	1,393	137.2%	3,275	1,376	0	0	0	0	30	17
Maryland	379	119	218.4%	0	0	379	119	0	0	0	0
North Carolina	3,444	1,056	226.2%	3,431	1,033	0	0	7	0	7	22
South Carolina	2,590	1,950	32.9%	2,588	1,924	0	20	0	0	2	5
Virginia	469	420	11.7%	451	395	0	0	0	0	18	25
West Virginia	7,643	7,427	2.9%	6,421	5,286	1,222	2,141	0	0	0	0
East South Central	15,411	12,790	20.5%	15,091	12,371	232	358	0	0	88	61
Alabama	3,174	2,870	10.6%	3,174	2,870	0	0	0	0	0	0
Kentucky	8,381	6,880	21.8%	8,381	6,880	0	0	0	0	0	0
Mississippi	498	514	-3.1%	266	155	232	358	0	0	0	0
Tennessee	3,358	2,527	32.9%	3,270	2,466	0	0	0	0	88	61
West South Central	16,171	13,111	23.3%	8,656	6,618	7,504	6,486	0	0	11	6
Arkansas	3,520	2,493	41.2%	2,943	1,815	571	672	0	0	6	6
Louisiana	1,037	500	107.2%	704	500	333	0	0	0	0	0
Oklahoma	1,070	632	69.3%	1,065	632	0	0	0	0	5	0
Texas	10,545	9,485	11.2%	3,945	3,671	6,601	5,814	0	0	0	0
Mountain	16,811	17,917	-6.2%	14,364	15,537	2,384	2,320	0	0	63	60
Arizona	2,332	2,448	-4.7%	2,332	2,448	0	0	0	0	0	0
Colorado	3,519	3,191	10.3%	3,519	3,191	0	0	0	0	0	0
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	1,989	1,989	0.0%	0	0	1,989	1,988	0	0	NM	NM
Nevada	403	281	43.7%	189	117	214	164	0	0	0	0
New Mexico	1,759	1,405	25.2%	1,759	1,405	0	0	0	0	0	0
Utah	1,912	3,561	-46.3%	1,847	3,500	66	61	0	0	0	0
Wyoming	4,895	5,043	-2.9%	4,718	4,877	116	108	0	0	61	58
Pacific Contiguous	653	928	-29.6%	0	0	609	873	0	0	44	55
California	40	50	-20.9%	0	0	0	0	0	0	40	50
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	613	878	-30.1%	0	0	609	873	0	0	5	5
Pacific Noncontiguous	142	109	30.3%	96	62	22	22	25	25	0	0
Alaska	142	109	30.3%	96	62	22	22	25	25	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	119,716	107,762	11.1%	93,319	82,609	25,608	24,361	50	42	739	751

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

Table 1.5.A. Utility Scale Facility Net Generation from Petroleum Liquids by State, by Sector, February 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	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
New England	10	185	-94.4%	1	14	6	164	2	4	1	3
Connecticut	NM	37	NM	0	NM	NM	34	NM	1	0	1
Maine	3	32	-91.9%	0	0	2	30	0	0	1	2
Massachusetts	0	54	-100.2%	NM	14	NM	39	NM	NM	0	0
New Hampshire	1	42	-96.8%	0	0	NM	41	1	2	0	0
Rhode Island	NM	20	NM	0	0	NM	19	0	1	0	0
Vermont	0	NM	NM	0	NM	0	0	0	0	0	0
Middle Atlantic	17	183	-91.0%	NM	63	11	115	NM	NM	1	3
New Jersey	NM	15	NM	0	0	NM	14	NM	0	0	0
New York	12	162	-92.3%	NM	63	8	95	NM	NM	0	2
Pennsylvania	4	6	-44.3%	NM	NM	3	6	0	0	1	NM
East North Central	25	24	3.6%	15	13	9	11	0	0	1	1
Illinois	4	2	66.6%	0	0	4	2	NM	NM	0	0
Indiana	4	6	-23.4%	4	5	0	0	0	0	NM	0
Michigan	7	4	69.0%	7	4	0	0	NM	NM	0	0
Ohio	6	10	-37.1%	1	1	5	9	0	0	0	1
Wisconsin	3	2	73.0%	3	2	0	0	NM	NM	1	NM
West North Central	14	30	-52.1%	14	29	NM	NM	0	0	0	0
Iowa	8	-1	-810.3%	8	-1	NM	NM	0	0	NM	NM
Kansas	9	6	46.3%	9	6	0	0	0	0	0	0
Minnesota	3	3	-15.7%	2	3	NM	NM	0	0	0	0
Missouri	-16	11	-243.4%	-16	11	0	0	0	0	0	0
Nebraska	3	3	11.9%	3	3	0	0	0	0	0	0
North Dakota	7	6	11.1%	7	6	0	0	0	0	0	0
South Dakota	NM	2	NM	NM	2	0	0	NM	NM	0	0
South Atlantic	60	75	-19.8%	38	43	5	13	1	1	16	18
Delaware	NM	NM	NM	0	0	NM	NM	0	0	0	0
District of Columbia	0	NM	NM	0	0	0	0	0	NM	0	0
Florida	9	18	-49.7%	7	15	NM	0	0	0	2	2
Georgia	16	14	8.6%	2	1	1	NM	NM	0	13	13
Maryland	2	3	-32.4%	NM	0	2	3	0	0	0	0
North Carolina	6	6	-10.6%	5	4	NM	NM	NM	NM	NM	2
South Carolina	7	4	63.3%	7	4	NM	0	0	0	1	0
Virginia	7	16	-52.3%	5	7	1	7	1	1	NM	0
West Virginia	13	11	17.5%	13	11	0	0	0	0	0	0
East South Central	8	8	0.7%	8	8	NM	NM	0	0	NM	NM
Alabama	NM	NM	NM	0	NM	NM	NM	0	0	NM	NM
Kentucky	4	3	33.8%	4	3	0	0	0	0	0	0
Mississippi	0	0	-81.1%	0	0	0	0	0	0	0	0
Tennessee	4	5	-9.6%	4	5	0	0	0	0	0	0
West South Central	17	20	-13.6%	6	8	10	11	NM	NM	1	0
Arkansas	2	3	-51.0%	1	3	0	0	0	0	NM	NM
Louisiana	1	NM	NM	1	NM	0	0	0	0	0	0
Oklahoma	2	0	501.1%	2	NM	0	0	0	0	0	0
Texas	12	16	-23.8%	2	5	10	11	NM	NM	0	0
Mountain	10	12	-18.9%	8	12	1	NM	NM	NM	0	0
Arizona	2	2	10.9%	2	2	0	0	NM	NM	0	0
Colorado	2	3	-23.6%	2	3	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	1	NM	NM	NM	NM	1	NM	0	0	0	0
Nevada	0	0	16.4%	0	0	0	0	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	1	2	-34.6%	1	2	0	0	0	0	0	0
Wyoming	2	5	-49.2%	2	5	0	0	0	0	0	0
Pacific Contiguous	14	10	33.5%	3	8	1	NM	0	1	10	NM
California	12	4	216.7%	3	3	1	0	0	1	8	NM
Oregon	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Washington	NM	7	NM	NM	5	1	NM	0	0	NM	NM
Pacific Noncontiguous	600	582	3.0%	498	500	83	65	1	0	18	16
Alaska	72	64	12.4%	67	60	0	0	0	0	4	4
Hawaii	528	518	1.9%	431	440	83	65	0	0	14	13
U.S. Total	775	1,129	-31.4%	595	698	126	380	5	8	49	43

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

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

by State, by Sector, Year-to-Date through February 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	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD
New England	99	202	-50.8%	5	15	84	176	6	7	4	4
Connecticut	42	47	-10.6%	1	1	40	44	0	1	1	1
Maine	14	35	-59.2%	0	0	12	32	0	0	3	3
Massachusetts	34	54	-36.1%	NM	14	27	38	NM	NM	0	0
New Hampshire	3	44	-92.8%	0	0	NM	41	3	3	0	0
Rhode Island	5	21	-75.9%	0	0	5	20	0	1	0	0
Vermont	NM	NM	NM	NM	NM	0	0	0	0	0	0
Middle Atlantic	169	201	-15.7%	64	69	100	124	NM	3	3	5
New Jersey	9	19	-55.8%	0	0	8	18	NM	0	0	0
New York	127	175	-27.5%	64	69	60	100	NM	NM	2	4
Pennsylvania	34	7	417.5%	0	0	32	5	1	1	NM	1
East North Central	77	61	25.9%	41	35	33	24	1	0	2	2
Illinois	5	4	17.7%	NM	1	5	4	NM	NM	0	0
Indiana	14	16	-7.5%	14	15	0	0	1	0	0	0
Michigan	17	12	43.2%	16	11	0	0	NM	NM	1	1
Ohio	33	24	37.3%	3	2	29	20	0	0	0	1
Wisconsin	NM	6	NM	NM	6	0	0	0	NM	1	NM
West North Central	111	72	54.6%	109	71	NM	NM	1	NM	1	0
Iowa	21	6	231.4%	20	6	NM	NM	0	NM	NM	NM
Kansas	33	13	152.2%	33	13	0	0	0	0	0	0
Minnesota	NM	8	NM	NM	7	NM	NM	1	0	0	0
Missouri	20	27	-26.1%	20	27	0	0	0	0	0	0
Nebraska	13	6	124.9%	13	6	0	0	0	0	0	0
North Dakota	12	9	35.1%	12	9	0	0	0	0	0	0
South Dakota	NM	3	NM	NM	3	0	0	NM	NM	0	0
South Atlantic	317	160	98.2%	196	102	73	20	3	3	44	36
Delaware	8	NM	NM	0	0	8	NM	0	0	0	0
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	29	34	-14.2%	24	30	NM	NM	0	0	3	3
Georgia	60	32	89.1%	17	4	NM	NM	0	0	37	27
Maryland	24	5	420.8%	0	0	25	5	0	0	NM	0
North Carolina	72	8	846.8%	53	4	17	NM	NM	NM	NM	4
South Carolina	30	14	109.9%	28	12	NM	2	0	0	1	1
Virginia	73	26	183.0%	54	13	15	9	2	3	2	1
West Virginia	21	39	-46.1%	21	39	0	0	0	0	0	0
East South Central	30	28	6.7%	28	28	NM	NM	0	0	2	NM
Alabama	4	3	40.4%	4	3	NM	NM	0	0	NM	NM
Kentucky	11	8	37.7%	11	8	0	0	0	0	0	0
Mississippi	2	1	164.6%	1	1	0	0	0	0	1	0
Tennessee	13	16	-21.5%	13	16	0	0	0	0	0	0
West South Central	79	42	87.7%	44	18	33	24	NM	NM	2	1
Arkansas	8	7	14.7%	6	5	2	2	0	0	NM	NM
Louisiana	NM	NM	NM	NM	NM	0	0	0	0	0	0
Oklahoma	5	2	133.6%	4	2	0	0	0	0	1	0
Texas	63	32	95.1%	31	10	32	22	NM	NM	0	0
Mountain	43	25	72.0%	38	23	5	2	NM	NM	0	0
Arizona	4	3	22.3%	4	3	0	0	NM	NM	0	0
Colorado	21	6	235.4%	17	6	3	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	8	1	625.9%	6	NM	2	1	0	0	0	0
Nevada	1	1	-0.1%	1	1	0	0	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	3	5	-37.8%	3	4	0	1	0	0	0	0
Wyoming	5	8	-32.6%	5	8	0	0	0	0	0	0
Pacific Contiguous	32	28	11.8%	15	11	4	1	1	2	12	15
California	17	19	-8.0%	5	6	2	0	1	1	9	12
Oregon	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Washington	14	9	51.0%	9	6	2	1	0	0	NM	3
Pacific Noncontiguous	1,310	1,305	0.4%	1,090	1,084	183	186	1	1	36	34
Alaska	153	148	3.5%	145	140	0	0	1	1	8	7
Hawaii	1,157	1,157	0.0%	945	944	183	186	0	1	28	26
U.S. Total	2,267	2,124	6.8%	1,631	1,456	516	555	16	16	105	97

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

Table 1.6.A. Utility Scale Facility Net Generation from Petroleum Coke by State, by Sector, February 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	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 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	135	NM	NM	73	52	53	NM	0	0	8	11
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	81	56	43.8%	73	46	0	0	0	0	8	11
Ohio	53	NM	NM	0	0	53	NM	0	0	0	0
Wisconsin	0	6	-100.0%	0	6	0	0	0	0	0	0
West North Central	1	0	390.9%	0	0	0	0	0	0	1	0
Iowa	1	0	390.9%	0	0	0	0	0	0	1	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	18	140	-87.2%	18	131	0	0	0	0	0	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	18	131	-86.3%	18	131	0	0	0	0	0	0
Georgia	0	NM	NM	0	0	0	0	0	0	0	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	6	80	-92.5%	0	74	0	0	0	0	6	6
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	74	-100.0%	0	74	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	6	6	5.6%	0	0	0	0	0	0	6	6
Mountain	40	39	1.3%	0	0	40	39	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	40	39	1.3%	0	0	40	39	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	0	0	--	0	0	0	0	0	0	0	0
California	0	0	--	0	0	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	199	335	-40.4%	91	257	93	NM	0	0	15	NM

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

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

by State, by Sector, Year-to-Date through February 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	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 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	326	260	25.2%	195	154	112	NM	0	0	19	24
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	210	164	28.7%	191	140	0	0	0	0	19	24
Ohio	112	NM	NM	0	0	112	NM	0	0	0	0
Wisconsin	3	14	-77.9%	3	14	0	0	0	0	0	0
West North Central	2	1	60.8%	0	0	0	0	1	1	1	0
Iowa	2	1	60.8%	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	63	278	-77.3%	60	262	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	60	262	-77.3%	60	262	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	49	119	-58.4%	37	106	0	0	0	0	13	13
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	37	106	-65.4%	37	106	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	13	13	0.2%	0	0	0	0	0	0	13	13
Mountain	76	83	-7.9%	0	0	76	83	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	76	83	-7.9%	0	0	76	83	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	516	741	-30.3%	291	522	188	165	1	1	36	52

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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, February 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	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
New England	3,921	3,739	4.9%	3	3	3,712	3,545	105	84	101	107
Connecticut	1,794	1,736	3.4%	3	3	1,700	1,667	28	22	63	44
Maine	240	164	46.7%	0	0	228	125	2	2	10	36
Massachusetts	1,279	1,259	1.6%	0	0	1,197	1,191	71	56	11	11
New Hampshire	196	150	30.6%	0	0	192	147	2	1	2	2
Rhode Island	412	430	-4.3%	0	0	394	416	2	2	15	13
Vermont	0	0	-6.9%	0	0	0	0	0	0	0	0
Middle Atlantic	18,483	17,084	8.2%	998	847	16,967	15,806	121	95	398	336
New Jersey	2,154	1,513	42.4%	NM	NM	2,090	1,453	24	18	35	35
New York	4,824	4,021	20.0%	991	841	3,693	3,068	84	63	57	48
Pennsylvania	11,505	11,550	-0.4%	1	0	11,184	11,284	13	13	306	253
East North Central	19,320	16,402	17.8%	6,479	5,557	12,247	10,331	127	125	467	389
Illinois	2,215	1,799	23.2%	274	143	1,821	1,556	38	35	83	64
Indiana	3,095	2,785	11.1%	1,329	1,182	1,536	1,410	13	15	216	177
Michigan	4,793	3,881	23.5%	1,984	1,370	2,704	2,410	51	51	54	50
Ohio	7,047	5,757	22.4%	819	776	6,186	4,940	21	18	22	23
Wisconsin	2,170	2,181	-0.5%	2,073	2,086	0	14	4	6	92	75
West North Central	3,328	1,744	90.8%	2,695	1,267	456	313	29	33	148	132
Iowa	779	620	25.6%	703	558	NM	0	11	13	65	49
Kansas	294	237	24.1%	264	202	0	0	0	0	29	35
Minnesota	1,223	503	143.3%	877	281	295	174	8	9	44	39
Missouri	510	111	360.5%	336	-43	161	139	9	11	4	4
Nebraska	162	52	208.4%	160	52	0	0	0	0	1	0
North Dakota	167	125	33.1%	166	125	0	0	0	0	1	1
South Dakota	194	96	101.3%	189	92	0	0	0	0	NM	NM
South Atlantic	29,908	27,879	7.3%	24,920	23,647	4,515	3,759	56	50	417	423
Delaware	304	164	85.2%	0	1	219	80	0	0	84	83
District of Columbia	11	7	51.3%	0	0	0	0	11	7	0	0
Florida	12,438	12,259	1.5%	11,754	11,559	589	568	NM	NM	85	122
Georgia	4,430	4,589	-3.5%	3,712	3,768	632	761	0	0	86	60
Maryland	778	1,026	-24.2%	125	291	624	710	23	21	5	4
North Carolina	4,400	4,264	3.2%	3,720	3,612	657	625	NM	NM	11	18
South Carolina	1,770	1,747	1.3%	1,727	1,711	33	NM	0	0	11	11
Virginia	5,588	3,671	52.2%	3,874	2,698	1,637	903	1	3	76	67
West Virginia	191	151	25.9%	8	7	124	87	0	0	59	57
East South Central	10,562	10,495	0.6%	8,405	7,354	1,863	2,869	17	17	277	255
Alabama	4,120	4,441	-7.2%	2,145	1,490	1,863	2,841	0	0	112	110
Kentucky	958	1,096	-12.6%	939	1,051	0	27	0	0	19	19
Mississippi	4,201	3,927	7.0%	4,160	3,881	1	1	0	0	41	45
Tennessee	1,283	1,030	24.5%	1,162	932	0	0	17	17	105	82
West South Central	25,423	27,504	-7.6%	8,526	9,989	11,528	12,097	76	67	5,293	5,351
Arkansas	838	1,781	-53.0%	727	1,655	93	107	NM	NM	NM	17
Louisiana	4,825	5,329	-9.5%	2,594	3,129	240	235	NM	NM	1,983	1,961
Oklahoma	2,699	2,634	2.5%	1,834	1,670	827	923	0	0	37	42
Texas	17,061	17,760	-3.9%	3,371	3,536	10,368	10,831	65	61	3,257	3,332
Mountain	9,354	8,554	9.3%	7,687	6,883	1,484	1,526	38	32	145	113
Arizona	3,102	2,910	6.6%	2,371	1,989	720	915	NM	7	0	0
Colorado	1,419	1,273	11.5%	1,231	1,134	173	128	0	0	13	11
Idaho	482	365	32.2%	303	254	160	95	3	3	16	13
Montana	75	101	-25.0%	64	75	12	25	0	0	0	NM
Nevada	1,968	1,828	7.7%	1,843	1,717	79	83	5	5	41	22
New Mexico	1,031	938	10.0%	692	659	332	272	NM	8	0	0
Utah	1,051	977	7.6%	1,014	952	NM	NM	NM	9	18	8
Wyoming	226	163	38.2%	168	104	0	0	0	0	57	59
Pacific Contiguous	10,397	10,285	1.1%	4,427	4,058	5,093	5,429	123	117	754	681
California	6,645	7,159	-7.2%	2,160	2,253	3,695	4,182	118	113	672	611
Oregon	2,087	1,941	7.5%	1,091	972	983	956	4	4	9	9
Washington	1,665	1,184	40.5%	1,176	833	415	291	1	0	73	60
Pacific Noncontiguous	293	242	20.9%	288	236	0	0	0	0	5	6
Alaska	293	242	20.9%	288	236	0	0	0	0	5	6
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	130,990	123,928	5.7%	64,428	59,842	57,864	55,673	692	619	8,005	7,794

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

by State, by Sector, Year-to-Date through February 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	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD
New England	9,026	8,012	12.7%	NM	7	8,593	7,583	216	181	205	242
Connecticut	3,873	3,800	1.9%	7	7	3,684	3,640	56	48	126	105
Maine	625	420	48.8%	0	0	599	335	5	5	21	80
Massachusetts	3,051	2,458	24.1%	NM	0	2,878	2,313	147	121	21	24
New Hampshire	560	369	51.7%	0	0	552	362	3	3	5	4
Rhode Island	917	964	-4.9%	0	0	880	932	5	5	32	27
Vermont	0	0	-1.1%	0	0	0	0	0	0	0	0
Middle Atlantic	38,332	36,359	5.4%	2,066	1,760	35,208	33,677	250	204	809	717
New Jersey	5,021	3,764	33.4%	NM	NM	4,889	3,638	46	38	73	76
New York	10,135	8,473	19.6%	2,051	1,745	7,791	6,487	174	138	119	104
Pennsylvania	23,176	24,121	-3.9%	3	3	22,528	23,552	29	29	616	537
East North Central	39,273	33,786	16.2%	12,946	11,494	25,101	21,224	264	261	962	806
Illinois	4,518	3,776	19.7%	495	373	3,774	3,189	78	76	172	139
Indiana	6,283	5,777	8.8%	2,668	2,418	3,155	2,968	26	31	434	360
Michigan	9,093	7,951	14.4%	3,501	2,733	5,370	5,005	107	107	114	107
Ohio	14,609	11,616	25.8%	1,733	1,556	12,777	9,974	43	38	56	49
Wisconsin	4,769	4,665	2.2%	4,549	4,415	25	89	9	9	186	151
West North Central	7,569	4,586	65.0%	6,051	3,481	1,164	769	53	57	302	279
Iowa	1,665	1,473	13.0%	1,523	1,347	NM	NM	21	18	120	108
Kansas	689	470	46.6%	619	400	0	0	0	0	69	70
Minnesota	2,670	1,385	92.8%	1,881	853	682	431	16	18	91	82
Missouri	1,389	629	120.7%	884	262	482	338	15	20	8	10
Nebraska	359	129	178.5%	356	129	0	0	1	0	3	0
North Dakota	365	270	35.3%	364	268	0	0	0	0	1	2
South Dakota	433	230	88.2%	424	222	0	0	0	0	9	8
South Atlantic	63,950	59,883	6.8%	53,286	50,869	9,672	8,053	118	107	875	853
Delaware	608	497	22.3%	0	1	430	323	0	0	178	173
District of Columbia	21	14	51.9%	0	0	0	0	21	14	0	0
Florida	27,322	25,977	5.2%	25,784	24,535	1,333	1,190	NM	20	184	232
Georgia	9,888	9,488	4.2%	8,117	7,809	1,598	1,540	0	0	174	139
Maryland	1,813	1,870	-3.1%	371	664	1,382	1,152	49	46	11	8
North Carolina	9,022	9,560	-5.6%	7,523	8,143	1,443	1,363	26	NM	30	34
South Carolina	3,562	3,531	0.9%	3,471	3,450	69	58	0	0	22	23
Virginia	11,278	8,590	31.3%	7,993	6,259	3,131	2,189	1	7	153	134
West Virginia	438	356	23.0%	28	9	287	237	0	0	123	110
East South Central	24,633	21,756	13.2%	18,757	15,342	5,240	5,848	35	36	602	530
Alabama	9,703	8,865	9.5%	4,300	2,824	5,152	5,813	0	0	251	228
Kentucky	2,476	2,253	9.9%	2,349	2,179	87	34	0	0	41	40
Mississippi	9,549	8,386	13.9%	9,454	8,295	1	1	0	0	94	90
Tennessee	2,904	2,252	29.0%	2,654	2,044	0	0	35	36	215	172
West South Central	63,378	55,879	13.4%	22,205	20,220	29,496	24,583	173	143	11,505	10,933
Arkansas	2,701	3,746	-27.9%	2,472	3,542	187	165	NM	NM	35	33
Louisiana	11,542	10,151	13.7%	6,625	5,496	557	451	23	NM	4,337	4,192
Oklahoma	7,316	5,545	31.9%	4,828	3,608	2,405	1,846	0	-1	83	91
Texas	41,820	36,438	14.8%	8,280	7,573	26,348	22,121	144	126	7,050	6,618
Mountain	20,389	18,545	9.9%	16,571	15,222	3,418	3,026	81	67	319	230
Arizona	6,762	6,060	11.6%	4,990	4,449	1,752	1,596	21	14	0	0
Colorado	3,132	2,991	4.7%	2,689	2,608	414	360	1	0	28	23
Idaho	1,036	856	21.1%	649	563	345	262	7	7	36	23
Montana	185	236	-21.7%	155	188	30	47	0	0	0	NM
Nevada	4,430	3,919	13.0%	4,178	3,740	150	121	10	10	92	49
New Mexico	2,147	2,114	1.6%	1,415	1,476	711	622	NM	16	5	0
Utah	2,220	2,016	10.1%	2,136	1,957	NM	17	27	20	40	22
Wyoming	478	353	35.3%	360	240	0	0	0	0	118	113
Pacific Contiguous	24,254	22,323	8.7%	10,131	8,632	12,300	11,967	254	228	1,569	1,495
California	16,418	15,557	5.5%	5,333	4,638	9,439	9,356	244	220	1,401	1,342
Oregon	4,360	4,026	8.3%	2,314	2,095	2,019	1,905	8	8	19	18
Washington	3,477	2,740	26.9%	2,483	1,899	842	706	1	0	150	135
Pacific Noncontiguous	635	525	21.0%	623	512	0	0	0	0	12	13
Alaska	635	525	21.0%	623	512	0	0	0	0	12	13
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	291,441	261,654	11.4%	142,647	127,540	130,192	116,732	1,443	1,283	17,159	16,098

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-February 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

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, February 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	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 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	59	NM	0	0	0	0	0	0	NM	59
New Jersey	12	11	13.0%	0	0	0	0	0	0	12	11
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	NM	48	NM	0	0	0	0	0	0	NM	48
East North Central	301	409	-26.3%	0	0	151	175	0	0	150	234
Illinois	16	25	-35.7%	0	0	0	0	0	0	16	25
Indiana	119	206	-42.0%	0	0	0	0	0	0	119	206
Michigan	122	120	1.8%	0	0	122	120	0	0	0	0
Ohio	NM	59	NM	0	0	NM	55	0	0	15	4
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	2	2	20.9%	0	0	0	0	0	0	2	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	2	2	20.9%	0	0	0	0	0	0	2	2
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	17	17	-1.3%	0	0	0	0	0	0	17	17
Delaware	14	13	13.5%	0	0	0	0	0	0	14	13
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	-44.0%	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	2	4	-45.5%	0	0	0	0	0	0	2	4
East South Central	1	1	-7.9%	0	0	0	0	0	0	1	1
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	1	1	-7.9%	0	0	0	0	0	0	1	1
West South Central	264	263	0.2%	0	0	67	63	0	0	197	200
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	122	130	-5.9%	0	0	0	0	0	0	122	130
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	141	133	6.2%	0	0	67	63	0	0	74	70
Mountain	32	31	4.4%	0	0	0	1	0	0	32	30
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	1	-62.4%	0	0	0	1	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	32	30	5.6%	0	0	0	0	0	0	32	30
Pacific Contiguous	131	131	0.4%	0	0	0	0	0	0	131	131
California	111	111	-0.2%	0	0	0	0	0	0	111	111
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	20	19	3.9%	0	0	0	0	0	0	20	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	780	912	-14.5%	0	0	219	239	0	0	561	673

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 February 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	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 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	92	125	-25.8%	0	0	1	4	0	0	91	120
New Jersey	27	26	2.0%	0	0	1	4	0	0	25	22
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	66	98	-33.3%	0	0	0	0	0	0	66	98
East North Central	712	848	-16.1%	0	0	340	364	0	0	372	484
Illinois	33	48	-30.6%	0	0	0	0	0	0	33	48
Indiana	311	428	-27.3%	0	0	0	0	0	0	311	428
Michigan	257	250	2.5%	0	0	257	250	0	0	0	0
Ohio	111	122	-9.1%	0	0	83	114	0	0	27	8
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	4	4	8.9%	0	0	0	0	0	0	4	4
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	4	4	8.9%	0	0	0	0	0	0	4	4
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	34	35	-2.9%	0	0	0	0	0	0	34	35
Delaware	29	28	2.0%	0	0	0	0	0	0	29	28
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	-35.5%	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	5	7	-24.2%	0	0	0	0	0	0	5	7
East South Central	2	2	-11.6%	0	0	0	0	0	0	2	2
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	2	2	-11.6%	0	0	0	0	0	0	2	2
West South Central	623	570	9.3%	0	0	163	154	0	0	460	416
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	278	279	-0.4%	0	0	0	0	0	0	278	279
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	345	291	18.5%	0	0	163	154	0	0	182	137
Mountain	63	62	2.4%	0	0	1	2	0	0	63	60
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	2	-56.8%	0	0	1	2	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	246.5%	0	0	0	0	0	0	0	0
Wyoming	62	60	3.8%	0	0	0	0	0	0	62	60
Pacific Contiguous	279	257	8.6%	0	0	0	0	0	0	279	257
California	238	212	12.4%	0	0	0	0	0	0	238	212
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	41	45	-9.2%	0	0	0	0	0	0	41	45
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	1,809	1,902	-4.9%	0	0	506	524	0	0	1,304	1,378

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

Table 1.9.A. Utility Scale Facility Net Generation from Nuclear Energy by State, by Sector, February 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	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
New England	2,335	2,199	6.2%	0	0	2,335	2,199	0	0	0	0
Connecticut	1,467	1,361	7.8%	0	0	1,467	1,361	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	869	838	3.7%	0	0	869	838	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	11,136	10,804	3.1%	0	0	11,136	10,804	0	0	0	0
New Jersey	2,437	2,398	1.6%	0	0	2,437	2,398	0	0	0	0
New York	2,296	2,186	5.0%	0	0	2,296	2,186	0	0	0	0
Pennsylvania	6,404	6,221	2.9%	0	0	6,404	6,221	0	0	0	0
East North Central	12,560	11,420	10.0%	2,275	2,317	10,285	9,103	0	0	0	0
Illinois	7,921	7,321	8.2%	0	0	7,921	7,321	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	2,275	2,317	-1.8%	2,275	2,317	0	0	0	0	0	0
Ohio	1,527	982	55.6%	0	0	1,527	982	0	0	0	0
Wisconsin	837	801	4.5%	0	0	837	801	0	0	0	0
West North Central	2,810	3,317	-15.3%	2,810	3,317	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	854	761	12.2%	854	761	0	0	0	0	0	0
Minnesota	743	1,189	-37.5%	743	1,189	0	0	0	0	0	0
Missouri	652	832	-21.7%	652	832	0	0	0	0	0	0
Nebraska	561	534	5.0%	561	534	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	16,947	15,209	11.4%	16,220	14,213	726	996	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	2,632	2,260	16.4%	2,632	2,260	0	0	0	0	0	0
Georgia	3,074	2,181	40.9%	3,074	2,181	0	0	0	0	0	0
Maryland	726	996	-27.1%	0	0	726	996	0	0	0	0
North Carolina	3,251	2,739	18.7%	3,251	2,739	0	0	0	0	0	0
South Carolina	4,705	4,546	3.5%	4,705	4,546	0	0	0	0	0	0
Virginia	2,559	2,487	2.9%	2,559	2,487	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	7,578	7,304	3.8%	7,578	7,304	0	0	0	0	0	0
Alabama	3,327	3,189	4.3%	3,327	3,189	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	979	964	1.6%	979	964	0	0	0	0	0	0
Tennessee	3,273	3,151	3.9%	3,273	3,151	0	0	0	0	0	0
West South Central	6,107	5,576	9.5%	2,608	2,152	3,500	3,424	0	0	0	0
Arkansas	1,296	1,203	7.7%	1,296	1,203	0	0	0	0	0	0
Louisiana	1,312	949	38.2%	1,312	949	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3,500	3,424	2.2%	0	0	3,500	3,424	0	0	0	0
Mountain	2,736	2,683	1.9%	2,736	2,683	0	0	0	0	0	0
Arizona	2,736	2,683	1.9%	2,736	2,683	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	2,374	2,294	3.5%	2,374	2,294	0	0	0	0	0	0
California	1,571	1,520	3.4%	1,571	1,520	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	802	775	3.6%	802	775	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	64,584	60,807	6.2%	36,601	34,281	27,983	26,526	0	0	0	0

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

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

by State, by Sector, Year-to-Date through February 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	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD
New England	4,528	4,653	-2.7%	0	0	4,528	4,653	0	0	0	0
Connecticut	2,730	2,887	-5.4%	0	0	2,730	2,887	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	1,797	1,766	1.8%	0	0	1,797	1,766	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	22,814	22,759	0.2%	0	0	22,814	22,759	0	0	0	0
New Jersey	4,994	5,062	-1.4%	0	0	4,994	5,062	0	0	0	0
New York	4,756	4,655	2.2%	0	0	4,756	4,655	0	0	0	0
Pennsylvania	13,064	13,042	0.2%	0	0	13,064	13,042	0	0	0	0
East North Central	26,260	24,808	5.9%	4,618	4,882	21,642	19,926	0	0	0	0
Illinois	16,766	16,160	3.7%	0	0	16,766	16,160	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	4,618	4,882	-5.4%	4,618	4,882	0	0	0	0	0	0
Ohio	3,144	2,070	51.9%	0	0	3,144	2,070	0	0	0	0
Wisconsin	1,732	1,697	2.1%	0	0	1,732	1,697	0	0	0	0
West North Central	5,653	7,054	-19.9%	5,653	7,054	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	1,767	1,656	6.7%	1,767	1,656	0	0	0	0	0	0
Minnesota	1,157	2,508	-53.9%	1,157	2,508	0	0	0	0	0	0
Missouri	1,577	1,755	-10.2%	1,577	1,755	0	0	0	0	0	0
Nebraska	1,153	1,135	1.6%	1,153	1,135	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	36,261	33,927	6.9%	34,210	31,586	2,051	2,341	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	5,234	5,054	3.6%	5,234	5,054	0	0	0	0	0	0
Georgia	6,750	5,138	31.4%	6,750	5,138	0	0	0	0	0	0
Maryland	2,051	2,341	-12.4%	0	0	2,051	2,341	0	0	0	0
North Carolina	7,184	6,639	8.2%	7,184	6,639	0	0	0	0	0	0
South Carolina	9,737	9,548	2.0%	9,737	9,548	0	0	0	0	0	0
Virginia	5,305	5,208	1.9%	5,305	5,208	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	15,849	15,962	-0.7%	15,849	15,962	0	0	0	0	0	0
Alabama	7,270	7,296	-0.4%	7,270	7,296	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	1,901	2,032	-6.4%	1,901	2,032	0	0	0	0	0	0
Tennessee	6,678	6,634	0.7%	6,678	6,634	0	0	0	0	0	0
West South Central	11,662	12,115	-3.7%	4,725	4,907	6,937	7,209	0	0	0	0
Arkansas	2,685	2,567	4.6%	2,685	2,567	0	0	0	0	0	0
Louisiana	2,040	2,340	-12.8%	2,040	2,340	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	6,937	7,209	-3.8%	0	0	6,937	7,209	0	0	0	0
Mountain	5,723	5,669	1.0%	5,723	5,669	0	0	0	0	0	0
Arizona	5,723	5,669	1.0%	5,723	5,669	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	4,913	4,729	3.9%	4,913	4,729	0	0	0	0	0	0
California	3,252	3,123	4.1%	3,252	3,123	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	1,661	1,606	3.4%	1,661	1,606	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	133,664	131,677	1.5%	75,691	74,788	57,972	56,889	0	0	0	0

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

Table 1.10.A. Utility Scale Facility Net Generation from Hydroelectric (Conventional) Power by State, by Sector, February 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	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
New England	632	570	10.9%	63	57	561	505	0	0	NM	NM
Connecticut	32	29	13.1%	4	3	29	26	0	0	0	0
Maine	285	258	10.6%	NM	NM	277	251	0	0	NM	NM
Massachusetts	83	76	8.4%	21	NM	62	57	0	0	0	0
New Hampshire	121	108	11.8%	NM	NM	119	107	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	110	99	11.7%	37	34	73	65	0	0	0	0
Middle Atlantic	2,691	2,400	12.1%	2,040	1,817	645	577	0	1	6	6
New Jersey	0	1	-66.0%	0	0	0	1	0	0	0	0
New York	2,425	2,167	11.9%	2,027	1,811	391	349	0	1	6	6
Pennsylvania	266	233	14.5%	13	6	254	227	0	0	0	0
East North Central	286	305	-6.2%	247	264	31	30	NM	NM	NM	10
Illinois	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Indiana	36	32	11.9%	35	31	0	0	NM	NM	0	0
Michigan	78	90	-13.2%	73	85	NM	NM	0	0	NM	NM
Ohio	47	42	12.0%	30	27	17	NM	0	0	0	0
Wisconsin	117	132	-11.7%	104	116	NM	NM	0	0	NM	9
West North Central	674	690	-2.4%	654	668	NM	17	0	0	6	5
Iowa	NM	70	NM	NM	69	0	1	0	0	0	0
Kansas	1	1	-0.4%	0	0	1	1	0	0	0	0
Minnesota	53	63	-15.5%	NM	43	NM	15	0	0	6	5
Missouri	132	117	12.8%	132	117	0	0	0	0	0	0
Nebraska	63	67	-6.7%	63	67	0	0	0	0	0	0
North Dakota	107	113	-4.8%	107	113	0	0	0	0	0	0
South Dakota	268	260	3.1%	268	260	0	0	0	0	0	0
South Atlantic	1,510	1,300	16.2%	1,130	1,005	328	248	2	1	51	45
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	21	19	12.1%	21	19	0	0	0	0	0	0
Georgia	308	283	9.1%	305	280	NM	NM	0	0	NM	NM
Maryland	199	132	50.8%	0	0	199	132	0	0	0	0
North Carolina	478	415	15.1%	405	349	71	65	2	1	NM	NM
South Carolina	235	211	11.4%	229	206	NM	NM	0	0	0	0
Virginia	114	102	11.7%	103	92	12	NM	0	0	0	0
West Virginia	154	137	12.1%	67	59	39	34	0	0	49	43
East South Central	2,392	2,162	10.7%	2,317	2,095	75	67	0	0	0	0
Alabama	1,087	1,001	8.6%	1,087	1,001	0	0	0	0	0	0
Kentucky	431	379	13.5%	429	378	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	874	781	12.0%	801	715	74	66	0	0	0	0
West South Central	687	639	7.5%	589	553	98	86	NM	NM	0	0
Arkansas	350	324	7.9%	344	320	6	NM	0	0	0	0
Louisiana	87	78	12.1%	0	0	87	78	0	0	0	0
Oklahoma	178	159	11.6%	178	159	0	0	0	0	0	0
Texas	72	78	-6.7%	68	74	5	4	NM	NM	0	0
Mountain	1,706	1,775	-3.8%	1,634	1,704	70	68	NM	NM	0	0
Arizona	417	343	21.6%	417	343	0	0	0	0	0	0
Colorado	81	95	-14.9%	68	83	NM	NM	0	0	0	0
Idaho	499	528	-5.4%	454	485	NM	43	0	0	0	0
Montana	560	634	-11.7%	553	626	NM	NM	0	0	0	0
Nevada	52	85	-39.5%	47	81	NM	NM	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	NM	38	NM	NM	35	2	1	NM	NM	0	0
Wyoming	NM	45	NM	NM	45	0	0	0	0	0	0
Pacific Contiguous	8,914	8,719	2.2%	8,731	8,588	180	129	NM	NM	0	0
California	2,561	1,622	57.9%	2,411	1,526	148	95	NM	NM	0	0
Oregon	2,161	2,186	-1.1%	2,148	2,173	NM	14	0	0	0	0
Washington	4,191	4,910	-14.7%	4,172	4,890	NM	NM	0	0	0	0
Pacific Noncontiguous	105	122	-13.9%	89	99	0	5	NM	13	NM	NM
Alaska	99	111	-10.7%	89	99	0	0	NM	13	0	0
Hawaii	NM	NM	NM	0	1	0	5	0	0	NM	NM
U.S. Total	19,597	18,680	4.9%	17,493	16,851	2,002	1,733	NM	20	83	77

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

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

by State, by Sector, Year-to-Date through February 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	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD
New England	1,363	1,287	5.9%	139	131	1,207	1,139	1	1	16	15
Connecticut	71	66	7.3%	7	7	64	59	0	0	0	0
Maine	599	572	4.7%	NM	NM	582	557	0	0	16	15
Massachusetts	181	173	4.7%	47	45	133	127	1	1	0	0
New Hampshire	274	252	8.9%	NM	NM	271	249	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	237	223	6.3%	82	77	155	145	0	0	0	0
Middle Atlantic	5,562	5,256	5.8%	4,155	3,938	1,394	1,305	1	1	13	11
New Jersey	1	2	-68.4%	0	0	1	2	0	0	0	0
New York	4,979	4,715	5.6%	4,131	3,919	834	783	1	1	13	11
Pennsylvania	582	538	8.2%	24	19	559	519	0	0	0	0
East North Central	618	655	-5.6%	533	567	65	65	NM	NM	17	20
Illinois	15	17	-16.4%	8	11	NM	NM	0	0	0	0
Indiana	77	73	6.8%	75	70	0	0	NM	NM	0	0
Michigan	171	191	-10.9%	160	181	NM	NM	0	0	NM	NM
Ohio	103	94	8.9%	66	60	37	35	0	0	0	0
Wisconsin	252	279	-9.4%	224	245	NM	NM	0	0	16	18
West North Central	1,435	1,468	-2.3%	1,394	1,422	NM	35	0	0	11	11
Iowa	108	141	-23.0%	108	140	1	1	0	0	0	0
Kansas	2	2	-13.6%	0	0	2	2	0	0	0	0
Minnesota	117	134	-12.7%	78	91	NM	32	0	0	11	11
Missouri	289	268	8.0%	289	268	0	0	0	0	0	0
Nebraska	134	142	-5.6%	134	142	0	0	0	0	0	0
North Dakota	228	237	-4.0%	228	237	0	0	0	0	0	0
South Dakota	558	545	2.3%	558	545	0	0	0	0	0	0
South Atlantic	3,510	3,177	10.5%	2,637	2,386	764	689	3	3	106	100
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	44	42	5.4%	44	42	0	0	0	0	0	0
Georgia	743	682	8.9%	737	676	NM	NM	0	0	NM	NM
Maryland	487	427	14.2%	0	0	487	427	0	0	0	0
North Carolina	1,088	974	11.8%	932	825	153	146	3	2	NM	NM
South Carolina	564	511	10.4%	551	499	12	NM	1	1	0	0
Virginia	260	237	9.7%	236	214	25	24	0	0	0	0
West Virginia	323	305	6.0%	138	131	84	78	0	0	101	96
East South Central	5,076	4,808	5.6%	4,915	4,657	160	150	0	0	0	0
Alabama	2,307	2,192	5.3%	2,307	2,192	0	0	0	0	0	0
Kentucky	896	861	4.1%	894	858	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	1,872	1,755	6.7%	1,715	1,607	157	148	0	0	0	0
West South Central	1,576	1,451	8.6%	1,375	1,263	201	188	NM	NM	0	0
Arkansas	780	714	9.2%	769	705	11	10	0	0	0	0
Louisiana	182	172	5.7%	0	0	182	172	0	0	0	0
Oklahoma	405	372	8.7%	405	372	0	0	0	0	0	0
Texas	210	193	8.9%	201	186	9	7	NM	NM	0	0
Mountain	3,623	3,682	-1.6%	3,472	3,535	146	142	NM	NM	0	0
Arizona	876	689	27.2%	876	689	0	0	0	0	0	0
Colorado	163	197	-17.3%	137	172	NM	25	1	1	0	0
Idaho	1,061	1,113	-4.7%	968	1,023	93	90	0	0	0	0
Montana	1,214	1,343	-9.6%	1,199	1,326	NM	17	0	0	0	0
Nevada	107	153	-29.9%	98	145	NM	7	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	85	80	6.3%	78	73	3	3	NM	NM	0	0
Wyoming	98	94	4.2%	98	94	0	0	0	0	0	0
Pacific Contiguous	17,846	18,932	-5.7%	17,533	18,632	307	297	NM	NM	0	0
California	4,154	3,840	8.2%	3,911	3,612	238	224	NM	NM	0	0
Oregon	4,464	4,681	-4.7%	4,436	4,653	NM	29	0	0	0	0
Washington	9,228	10,411	-11.4%	9,187	10,367	NM	44	0	0	0	0
Pacific Noncontiguous	226	251	-10.2%	191	209	1	5	NM	27	NM	NM
Alaska	215	235	-8.8%	191	209	0	0	NM	27	0	0
Hawaii	NM	NM	NM	0	1	1	5	0	0	NM	NM
U.S. Total	40,834	40,967	-0.3%	36,344	36,741	4,276	4,016	41	43	173	167

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, February 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	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
New England	991	919	7.9%	55	60	844	760	42	43	51	56
Connecticut	66	61	8.1%	0	0	65	61	NM	NM	NM	NM
Maine	434	407	6.8%	0	0	385	351	0	0	49	55
Massachusetts	231	213	8.2%	10	10	183	164	37	38	NM	NM
New Hampshire	100	90	10.4%	0	0	96	88	3	3	0	0
Rhode Island	78	63	24.6%	0	0	77	62	1	1	0	0
Vermont	82	85	-3.1%	45	51	37	34	0	0	0	0
Middle Atlantic	1,519	1,492	1.8%	31	37	1,339	1,331	104	79	44	45
New Jersey	177	146	21.5%	9	7	128	110	39	28	NM	NM
New York	851	819	3.8%	22	31	767	741	47	35	15	12
Pennsylvania	492	527	-6.7%	0	0	444	480	18	15	29	32
East North Central	5,743	5,661	1.4%	880	810	4,769	4,741	11	12	83	98
Illinois	2,559	2,516	1.7%	9	9	2,549	2,507	NM	NM	0	0
Indiana	1,111	1,157	-4.0%	114	50	992	1,104	0	0	4	4
Michigan	1,131	1,207	-6.3%	485	527	596	631	4	3	46	46
Ohio	519	421	23.2%	NM	NM	507	394	1	1	10	25
Wisconsin	423	360	17.6%	270	223	125	106	6	7	23	24
West North Central	12,619	13,228	-4.6%	4,680	4,977	7,856	8,176	13	15	70	60
Iowa	4,162	4,413	-5.7%	3,000	3,184	1,155	1,221	1	2	6	5
Kansas	2,722	2,500	8.9%	265	228	2,455	2,270	NM	NM	NM	NM
Minnesota	1,579	1,759	-10.2%	468	543	1,045	1,157	6	8	61	51
Missouri	779	743	4.7%	347	319	426	422	5	2	0	0
Nebraska	1,111	1,279	-13.1%	14	17	1,095	1,260	1	1	0	0
North Dakota	1,290	1,538	-16.1%	453	528	837	1,010	0	0	0	0
South Dakota	976	996	-2.0%	132	158	842	836	0	0	NM	NM
South Atlantic	4,895	4,317	13.4%	1,601	1,296	2,535	2,258	85	84	674	679
Delaware	16	15	7.4%	NM	NM	14	13	NM	NM	NM	NM
District of Columbia	7	6	14.2%	NM	0	NM	NM	5	4	0	0
Florida	1,566	1,312	19.4%	1,268	1,003	156	157	38	40	103	111
Georgia	990	853	16.1%	47	44	659	546	NM	NM	284	262
Maryland	145	140	3.1%	NM	NM	143	138	NM	2	0	0
North Carolina	977	842	16.1%	52	43	846	712	7	7	71	80
South Carolina	330	327	0.7%	6	5	212	197	0	0	111	125
Virginia	684	569	20.4%	225	200	324	238	33	31	103	100
West Virginia	180	254	-29.0%	NM	0	178	254	0	0	0	0
East South Central	655	566	15.8%	21	22	210	130	NM	NM	423	414
Alabama	343	310	10.5%	NM	NM	78	50	0	0	263	259
Kentucky	44	43	1.3%	9	10	8	7	NM	NM	26	26
Mississippi	156	137	13.2%	10	10	47	26	0	0	99	101
Tennessee	113	75	51.1%	NM	NM	78	47	NM	NM	34	27
West South Central	18,350	16,403	11.9%	226	271	17,801	15,824	14	5	310	303
Arkansas	175	106	65.3%	15	14	91	27	1	1	67	64
Louisiana	210	180	16.9%	3	2	53	23	0	0	155	155
Oklahoma	3,752	3,601	4.2%	185	213	3,541	3,364	0	-1	26	24
Texas	14,214	12,517	13.6%	22	41	14,117	12,410	13	5	62	61
Mountain	7,320	6,982	4.8%	1,353	1,444	5,924	5,498	10	9	33	31
Arizona	764	591	29.2%	43	33	718	555	NM	NM	NM	NM
Colorado	1,748	1,684	3.8%	365	406	1,382	1,277	NM	NM	0	0
Idaho	307	351	-12.6%	28	34	247	287	2	2	29	27
Montana	545	576	-5.3%	94	119	450	456	0	0	2	2
Nevada	952	943	0.9%	10	11	938	929	3	3	NM	NM
New Mexico	1,725	1,479	16.7%	292	265	1,434	1,214	NM	NM	0	0
Utah	376	357	5.1%	NM	23	352	334	1	1	NM	0
Wyoming	903	1,000	-9.7%	500	553	403	447	0	0	0	0
Pacific Contiguous	6,729	6,892	-2.4%	572	710	5,918	5,924	71	71	168	187
California	5,021	4,826	4.0%	94	125	4,793	4,565	68	67	66	69
Oregon	886	1,064	-16.8%	109	134	730	883	2	3	44	45
Washington	822	1,002	-17.9%	369	451	394	476	NM	NM	58	73
Pacific Noncontiguous	159	166	-4.5%	14	15	135	136	10	16	0	0
Alaska	16	18	-8.0%	7	9	6	6	3	3	0	0
Hawaii	143	149	-4.1%	6	6	129	130	7	12	0	0
U.S. Total	58,980	56,625	4.2%	9,433	9,643	47,331	44,777	361	333	1,855	1,872

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

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

by State, by Sector, Year-to-Date through February 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	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD
New England	1,911	1,834	4.2%	109	110	1,609	1,516	87	89	106	120
Connecticut	125	122	2.4%	0	0	123	120	NM	NM	NM	NM
Maine	839	817	2.7%	0	0	735	698	1	1	103	117
Massachusetts	428	417	2.7%	19	17	331	319	77	79	NM	NM
New Hampshire	216	196	9.9%	0	0	209	190	7	6	0	0
Rhode Island	146	126	15.6%	0	0	145	125	1	1	0	0
Vermont	158	156	1.3%	90	92	67	63	1	0	0	0
Middle Atlantic	2,903	2,722	6.7%	65	43	2,530	2,404	212	181	95	93
New Jersey	323	287	12.4%	15	13	230	215	78	59	NM	NM
New York	1,610	1,440	11.8%	51	31	1,431	1,295	98	89	30	26
Pennsylvania	970	994	-2.4%	0	0	869	895	36	33	64	66
East North Central	10,880	10,263	6.0%	1,639	1,383	9,039	8,649	22	26	179	205
Illinois	4,839	4,548	6.4%	18	19	4,820	4,528	NM	NM	0	0
Indiana	2,138	2,197	-2.7%	180	97	1,950	2,092	0	0	8	8
Michigan	2,229	2,138	4.3%	974	898	1,153	1,135	8	8	93	97
Ohio	923	766	20.5%	NM	NM	888	711	2	3	31	51
Wisconsin	750	614	22.3%	465	368	228	183	11	14	47	49
West North Central	23,124	24,527	-5.7%	8,563	9,242	14,387	15,129	36	34	137	121
Iowa	7,594	8,137	-6.7%	5,470	5,904	2,112	2,219	2	3	10	11
Kansas	4,907	4,888	0.4%	471	454	4,432	4,429	NM	NM	NM	NM
Minnesota	3,016	3,220	-6.3%	886	988	1,988	2,110	21	18	120	103
Missouri	1,325	1,430	-7.3%	571	613	745	810	9	6	1	1
Nebraska	1,980	2,350	-15.7%	29	32	1,950	2,314	2	3	0	0
North Dakota	2,472	2,728	-9.4%	887	965	1,585	1,763	0	0	0	0
South Dakota	1,829	1,774	3.1%	250	285	1,575	1,485	0	0	NM	4
South Atlantic	9,153	8,522	7.4%	2,743	2,463	4,806	4,420	171	171	1,431	1,467
Delaware	28	28	-1.5%	NM	NM	23	23	NM	1	3	3
District of Columbia	13	12	5.2%	NM	NM	3	3	10	10	0	0
Florida	2,745	2,543	8.0%	2,118	1,883	306	331	79	81	243	248
Georgia	1,934	1,769	9.3%	88	85	1,276	1,108	NM	NM	569	576
Maryland	286	267	7.0%	NM	NM	282	262	NM	3	0	0
North Carolina	1,806	1,648	9.6%	94	80	1,536	1,373	13	13	162	181
South Carolina	670	639	4.9%	10	11	404	368	0	0	256	260
Virginia	1,261	1,114	13.2%	427	403	570	451	66	63	198	197
West Virginia	411	502	-18.2%	4	0	406	502	0	0	0	0
East South Central	1,254	1,144	9.6%	38	40	367	240	NM	NM	847	862
Alabama	664	627	5.9%	3	3	140	91	0	0	521	533
Kentucky	89	88	1.3%	18	20	12	12	NM	NM	59	56
Mississippi	302	284	6.5%	17	17	84	50	0	0	200	216
Tennessee	199	145	36.9%	NM	NM	131	87	NM	NM	67	58
West South Central	32,913	33,601	-2.0%	464	521	31,800	32,432	27	11	623	637
Arkansas	303	211	44.0%	26	26	146	52	1	2	130	131
Louisiana	409	373	9.8%	5	4	91	42	0	0	313	327
Oklahoma	6,544	7,147	-8.4%	361	420	6,129	6,678	0	-2	55	50
Texas	25,656	25,870	-0.8%	71	71	25,433	25,660	26	10	125	129
Mountain	13,843	13,689	1.1%	2,555	2,804	11,217	10,800	18	18	53	68
Arizona	1,385	1,138	21.7%	77	63	1,303	1,069	3	3	NM	NM
Colorado	3,291	3,140	4.8%	683	738	2,605	2,400	NM	NM	0	0
Idaho	581	639	-9.2%	52	59	478	515	5	5	45	60
Montana	1,085	1,035	4.7%	184	222	898	810	0	0	2	3
Nevada	1,840	1,875	-1.9%	18	20	1,815	1,849	6	5	NM	NM
New Mexico	3,195	3,275	-2.4%	533	575	2,662	2,700	NM	NM	0	0
Utah	687	666	3.2%	45	53	639	611	2	2	NM	0
Wyoming	1,779	1,919	-7.3%	963	1,074	817	846	0	0	0	0
Pacific Contiguous	12,837	13,224	-2.9%	1,053	1,258	11,281	11,420	147	147	356	399
California	9,605	9,589	0.2%	176	259	9,148	9,047	140	140	141	143
Oregon	1,677	1,864	-10.1%	200	227	1,375	1,536	5	5	97	96
Washington	1,556	1,770	-12.1%	678	771	758	837	2	2	118	160
Pacific Noncontiguous	302	315	-4.3%	27	30	247	253	28	33	0	0
Alaska	33	33	-1.0%	14	16	11	11	7	6	0	0
Hawaii	269	282	-4.7%	12	14	236	242	21	26	0	0
U.S. Total	109,118	109,838	-0.7%	17,257	17,894	87,284	87,264	750	709	3,828	3,972

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

Table 1.12.A. Utility Scale Facility Net Generation from Hydroelectric (Pumped Storage) Power by State, by Sector, February 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	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
New England	-34	-24	40.3%	0	0	-34	-24	0	0	0	0
Connecticut	5	4	23.8%	0	0	5	4	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-39	-28	37.9%	0	0	-39	-28	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	-119	-77	55.6%	-26	-12	-94	-64	0	0	0	0
New Jersey	-15	-7	119.8%	0	0	-15	-7	0	0	0	0
New York	-26	-12	108.1%	-26	-12	0	0	0	0	0	0
Pennsylvania	-78	-57	36.5%	0	0	-78	-57	0	0	0	0
East North Central	-45	-58	-23.0%	-45	-58	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	-45	-58	-23.0%	-45	-58	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	5	4	35.6%	5	4	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	5	4	35.6%	5	4	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	-148	-122	21.2%	-148	-122	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	-30	-22	37.7%	-30	-22	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	-1	-51	-97.8%	-1	-51	0	0	0	0	0	0
Virginia	-117	-50	135.3%	-117	-50	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-20	-42	-51.8%	-20	-42	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	-20	-42	-51.8%	-20	-42	0	0	0	0	0	0
West South Central	8	22	-61.4%	8	22	0	0	0	0	0	0
Arkansas	14	28	-50.4%	14	28	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-5	-6	-7.2%	-5	-6	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	12	-5	-325.3%	12	-5	0	0	0	0	0	0
Arizona	-4	2	-359.0%	-4	2	0	0	0	0	0	0
Colorado	16	-7	-333.5%	16	-7	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	-55	-145	-61.9%	-55	-145	0	0	0	0	0	0
California	-55	-145	-61.8%	-55	-145	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	-1	-98.8%	0	-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	-396	-448	-11.5%	-268	-359	-128	-89	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.
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Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

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

by State, by Sector, Year-to-Date through February 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	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD
New England	-67	-62	7.1%	0	0	-67	-62	0	0	0	0
Connecticut	8	7	15.6%	0	0	8	7	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-75	-69	8.0%	0	0	-75	-69	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	-235	-171	37.8%	-55	-31	-180	-140	0	0	0	0
New Jersey	-31	-14	113.4%	0	0	-31	-14	0	0	0	0
New York	-55	-31	78.5%	-55	-31	0	0	0	0	0	0
Pennsylvania	-149	-125	19.2%	0	0	-149	-125	0	0	0	0
East North Central	-95	-105	-10.4%	-95	-105	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	-95	-105	-10.4%	-95	-105	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	9	5	76.0%	9	5	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	9	5	76.0%	9	5	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	-323	-314	2.7%	-323	-314	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	-91	-37	146.2%	-91	-37	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	-19	-128	-85.4%	-19	-128	0	0	0	0	0	0
Virginia	-213	-149	42.8%	-213	-149	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-52	-77	-32.0%	-52	-77	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	-52	-77	-32.0%	-52	-77	0	0	0	0	0	0
West South Central	23	23	-0.2%	23	23	0	0	0	0	0	0
Arkansas	33	33	-0.9%	33	33	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-10	-10	-2.7%	-10	-10	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	21	-20	-209.7%	21	-20	0	0	0	0	0	0
Arizona	-5	-4	32.7%	-5	-4	0	0	0	0	0	0
Colorado	27	-15	-274.5%	27	-15	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	-90	-339	-73.4%	-90	-339	0	0	0	0	0	0
California	-96	-338	-71.7%	-96	-338	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	6	-1	-536.2%	6	-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	-807	-1,060	-23.8%	-561	-858	-247	-202	0	0	0	0

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

Table 1.13.A. Utility Scale Facility Net Generation from Other Energy Sources by State, by Sector, February 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	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
New England	139	132	5.4%	0	0	85	80	41	42	13	9
Connecticut	33	33	0.5%	0	0	33	33	0	0	0	0
Maine	26	21	24.9%	0	0	13	11	0	1	13	9
Massachusetts	75	73	3.0%	0	0	35	32	40	41	0	0
New Hampshire	4	4	-1.2%	0	0	4	4	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	-73.4%	0	0	0	0	0	0	0	0
Middle Atlantic	193	158	22.2%	0	0	82	77	106	81	5	0
New Jersey	49	34	46.7%	0	0	11	10	33	24	5	0
New York	72	58	23.5%	0	0	15	16	57	42	0	0
Pennsylvania	72	66	8.5%	0	0	55	52	17	15	0	0
East North Central	64	69	-7.2%	2	2	5	6	5	4	53	57
Illinois	18	21	-12.8%	0	0	0	-1	0	0	18	22
Indiana	34	34	-0.2%	0	0	0	0	0	0	34	34
Michigan	10	11	-9.7%	0	0	5	7	5	4	0	0
Ohio	0	1	-98.7%	0	0	0	0	0	0	0	1
Wisconsin	2	2	13.9%	2	2	0	0	0	0	0	0
West North Central	23	22	7.0%	8	7	13	12	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	22	21	4.8%	7	7	13	12	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	275	291	-5.7%	-3	-3	86	101	84	84	108	110
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	181	211	-14.1%	-3	-3	60	79	45	47	79	88
Georgia	5	4	25.4%	0	0	0	0	0	0	6	5
Maryland	27	23	16.5%	0	0	27	23	0	0	0	0
North Carolina	20	14	38.8%	0	0	0	0	0	0	20	14
South Carolina	3	3	8.4%	0	0	1	1	0	0	3	3
Virginia	39	37	6.1%	0	0	0	0	39	37	0	0
West Virginia	-1	-1	-25.1%	0	0	-1	-1	0	0	0	0
East South Central	6	6	-1.2%	6	6	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	6	6	-1.5%	6	6	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	11.5%	0	0	0	0	0	0	0	0
West South Central	9	58	-84.1%	0	0	-11	0	0	-1	21	59
Arkansas	1	1	6.1%	0	0	0	0	0	0	1	1
Louisiana	3	23	-87.9%	0	0	0	0	0	0	3	23
Oklahoma	0	-1	-84.8%	0	0	0	0	0	-1	0	0
Texas	6	35	-82.8%	0	0	-11	0	0	0	17	35
Mountain	36	46	-21.9%	3	6	9	14	0	0	24	26
Arizona	-8	-2	396.7%	-1	0	-7	-1	0	0	0	0
Colorado	1	3	-74.2%	0	0	-3	0	0	0	4	3
Idaho	6	5	12.7%	0	0	0	0	0	0	6	5
Montana	24	17	45.2%	0	0	24	17	0	0	0	0
Nevada	-3	1	-287.6%	0	3	-3	-1	0	0	0	0
New Mexico	-2	0	NM	0	0	-2	0	0	0	0	0
Utah	11	15	-22.9%	NM	4	0	0	0	0	8	11
Wyoming	7	7	1.0%	0	0	0	0	0	0	7	7
Pacific Contiguous	-36	4	-913.7%	-4	-2	-55	-20	1	4	22	22
California	-42	-4	NM	-4	-2	-62	-28	1	4	22	22
Oregon	0	3	-82.8%	0	0	0	3	0	0	0	0
Washington	6	5	8.6%	0	0	6	5	0	0	0	0
Pacific Noncontiguous	6	15	-57.1%	0	0	-2	0	8	15	0	0
Alaska	0	0	8.8%	0	0	0	0	0	0	0	0
Hawaii	7	15	-56.3%	0	0	-2	0	8	15	0	0
U.S. Total	716	801	-10.6%	12	16	211	270	247	231	245	284

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

by State, by Sector, Year-to-Date through February 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	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD
New England	288	281	2.6%	0	1	179	170	84	87	24	23
Connecticut	70	70	0.1%	0	0	70	70	0	0	0	0
Maine	54	47	15.4%	0	0	28	22	1	2	24	23
Massachusetts	156	156	0.4%	0	0	73	70	83	86	0	0
New Hampshire	8	8	-3.8%	0	0	8	8	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	1	-47.7%	0	1	0	0	0	0	0	0
Middle Atlantic	401	351	14.2%	0	0	167	161	223	191	11	0
New Jersey	104	72	44.7%	0	0	21	20	72	52	11	0
New York	150	140	7.4%	0	0	33	33	117	107	0	0
Pennsylvania	147	140	5.3%	0	0	113	107	35	33	0	0
East North Central	130	144	-9.7%	4	3	10	13	10	9	106	118
Illinois	36	43	-16.2%	0	0	-1	-2	0	0	37	45
Indiana	69	70	-1.6%	0	0	0	0	0	0	69	70
Michigan	21	25	-15.8%	0	0	11	15	10	9	0	0
Ohio	1	3	-74.9%	0	0	0	0	0	0	1	3
Wisconsin	4	3	4.7%	4	3	0	0	0	0	0	0
West North Central	50	45	10.5%	18	18	26	21	5	6	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	47	43	7.5%	16	16	26	21	5	6	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	568	601	-5.5%	-7	-6	185	220	173	171	217	217
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	373	433	-13.8%	-7	-6	132	175	94	95	154	168
Georgia	13	9	38.6%	0	0	1	-1	0	0	12	11
Maryland	53	47	12.7%	0	0	53	47	0	0	0	0
North Carolina	43	34	28.8%	0	0	0	0	0	0	43	34
South Carolina	9	6	56.0%	0	0	1	1	0	0	8	5
Virginia	79	75	5.0%	0	0	0	0	79	75	0	0
West Virginia	-2	-2	-22.5%	0	0	-2	-2	0	0	0	0
East South Central	10	13	-23.0%	10	13	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	10	13	-22.9%	10	13	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	-25.0%	0	0	0	0	0	0	0	0
West South Central	35	109	-67.7%	4	1	-26	-1	-1	-2	58	111
Arkansas	1	1	13.8%	0	0	0	0	0	0	1	1
Louisiana	15	45	-67.0%	0	0	0	0	0	0	15	45
Oklahoma	4	-1	-604.6%	4	1	0	0	-1	-2	0	0
Texas	15	64	-75.8%	0	0	-26	-1	0	0	41	65
Mountain	78	98	-20.0%	10	13	18	29	0	0	50	56
Arizona	-14	-2	540.8%	-1	0	-13	-2	0	0	0	0
Colorado	1	7	-78.2%	0	0	-6	0	0	0	8	7
Idaho	12	12	3.8%	0	0	0	0	0	0	12	12
Montana	48	33	43.8%	0	0	48	33	0	0	0	0
Nevada	-4	3	-265.2%	3	5	-7	-3	0	0	0	0
New Mexico	-4	0	NM	0	0	-4	0	0	0	0	0
Utah	23	31	-24.1%	8	8	0	0	0	0	15	22
Wyoming	15	15	1.0%	0	0	0	0	0	0	15	15
Pacific Contiguous	-61	9	-769.1%	-6	-5	-107	-45	6	9	47	50
California	-75	-7	NM	-6	-5	-122	-61	6	9	47	50
Oregon	2	5	-57.7%	0	0	2	5	0	0	0	0
Washington	12	11	16.5%	0	0	12	11	0	0	0	0
Pacific Noncontiguous	21	31	-33.6%	0	0	-4	0	25	32	0	0
Alaska	0	0	-2.9%	0	0	0	0	0	0	0	0
Hawaii	21	32	-33.2%	0	0	-4	0	25	32	0	0
U.S. Total	1,521	1,683	-9.6%	32	38	449	567	525	502	514	576

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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.A. Utility Scale Facility Net Generation from Wind by State, by Sector, February 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	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
New England	360	341	5.7%	18	19	339	318	2	3	NM	NM
Connecticut	1	1	9.2%	0	0	1	1	0	0	0	0
Maine	256	242	5.7%	0	0	256	242	0	0	0	0
Massachusetts	12	22	-46.6%	3	5	7	14	1	2	NM	NM
New Hampshire	43	28	53.7%	0	0	43	28	0	0	0	0
Rhode Island	17	17	-3.4%	0	0	16	17	1	1	0	0
Vermont	31	30	4.6%	15	14	16	16	0	0	0	0
Middle Atlantic	840	938	-10.4%	22	31	817	907	NM	NM	NM	NM
New Jersey	2	2	-16.8%	0	0	2	2	0	0	0	0
New York	536	555	-3.3%	22	31	513	524	NM	NM	NM	NM
Pennsylvania	302	381	-20.7%	0	0	302	381	0	0	0	0
East North Central	4,614	4,926	-6.3%	583	655	4,019	4,257	NM	NM	9	11
Illinois	2,365	2,381	-0.7%	NM	NM	2,363	2,379	NM	NM	0	0
Indiana	929	1,045	-11.1%	0	0	929	1,045	0	0	0	0
Michigan	853	964	-11.4%	479	523	374	441	0	0	0	0
Ohio	283	339	-16.4%	NM	NM	274	327	0	0	9	10
Wisconsin	184	198	-7.3%	102	130	79	65	NM	NM	1	1
West North Central	12,265	12,930	-5.1%	4,627	4,936	7,633	7,988	NM	NM	NM	NM
Iowa	4,107	4,363	-5.9%	2,977	3,163	1,130	1,200	0	0	0	0
Kansas	2,712	2,491	8.9%	264	227	2,446	2,261	NM	NM	NM	NM
Minnesota	1,337	1,554	-13.9%	450	533	885	1,017	NM	NM	0	0
Missouri	755	724	4.3%	342	315	413	409	0	0	0	0
Nebraska	1,100	1,267	-13.2%	9	11	1,091	1,256	0	0	0	0
North Dakota	1,290	1,538	-16.1%	453	528	837	1,010	0	0	0	0
South Dakota	963	994	-3.1%	132	158	831	836	0	0	0	0
South Atlantic	280	375	-25.4%	5	5	276	370	0	0	0	0
Delaware	0	0	-84.2%	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	--	0	0	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	48	61	-20.9%	0	0	48	61	0	0	0	0
North Carolina	51	56	-9.9%	0	0	51	56	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	5	5	-10.1%	5	5	0	0	0	0	0	0
West Virginia	177	253	-30.1%	0	0	177	253	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	15,611	14,702	6.2%	200	227	15,410	14,470	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	3,721	3,572	4.2%	181	209	3,540	3,362	0	0	0	0
Texas	11,890	11,131	6.8%	19	18	11,871	11,108	NM	5	0	0
Mountain	4,865	4,907	-0.9%	1,236	1,333	3,628	3,573	NM	NM	0	0
Arizona	195	145	34.9%	0	0	195	145	0	0	0	0
Colorado	1,428	1,487	-4.0%	364	405	1,064	1,082	0	0	0	0
Idaho	222	262	-15.3%	14	16	208	246	0	0	0	0
Montana	524	572	-8.4%	93	118	432	454	0	0	0	0
Nevada	30	26	13.8%	0	0	30	26	0	0	0	0
New Mexico	1,500	1,355	10.7%	266	240	1,234	1,114	NM	NM	0	0
Utah	73	70	4.6%	0	0	73	70	0	0	0	0
Wyoming	892	989	-9.8%	500	553	393	437	0	0	0	0
Pacific Contiguous	2,716	2,982	-8.9%	483	594	2,232	2,386	1	1	0	0
California	1,302	1,227	6.2%	29	36	1,273	1,190	1	1	0	0
Oregon	695	879	-21.0%	104	129	590	750	0	0	0	0
Washington	719	875	-17.9%	350	429	369	446	0	0	0	0
Pacific Noncontiguous	73	80	-9.7%	7	9	65	72	0	0	0	0
Alaska	12	15	-15.3%	7	9	5	6	0	0	0	0
Hawaii	60	66	-8.4%	0	0	60	66	0	0	0	0
U.S. Total	41,626	42,184	-1.3%	7,182	7,809	34,422	34,344	10	18	12	13

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

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

by State, by Sector, Year-to-Date through February 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	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD
New England	693	658	5.3%	33	28	654	623	4	5	NM	NM
Connecticut	2	2	23.3%	0	0	2	2	0	0	0	0
Maine	487	481	1.3%	0	0	487	481	0	0	0	0
Massachusetts	28	36	-23.7%	9	8	15	23	3	4	NM	NM
New Hampshire	86	57	50.6%	0	0	86	57	0	0	0	0
Rhode Island	37	37	0.8%	0	0	36	35	1	1	0	0
Vermont	53	45	16.6%	25	21	28	25	0	0	0	0
Middle Atlantic	1,648	1,596	3.3%	51	31	1,597	1,564	NM	NM	NM	NM
New Jersey	3	4	-12.8%	0	0	3	4	0	0	0	0
New York	1,031	899	14.6%	51	31	979	868	NM	NM	NM	NM
Pennsylvania	614	692	-11.3%	0	0	614	692	0	0	0	0
East North Central	9,023	8,914	1.2%	1,161	1,101	7,839	7,788	NM	6	18	19
Illinois	4,533	4,320	4.9%	NM	3	4,530	4,316	NM	NM	0	0
Indiana	1,854	2,008	-7.7%	0	0	1,854	2,008	0	0	0	0
Michigan	1,717	1,649	4.1%	967	891	751	758	0	0	0	0
Ohio	577	618	-6.6%	NM	NM	559	597	0	1	17	18
Wisconsin	342	319	7.0%	191	205	146	108	NM	NM	1	1
West North Central	22,480	23,955	-6.2%	8,474	9,161	13,996	14,783	8	9	NM	NM
Iowa	7,506	8,051	-6.8%	5,435	5,868	2,070	2,183	1	1	0	0
Kansas	4,888	4,869	0.4%	469	453	4,415	4,411	NM	NM	NM	NM
Minnesota	2,566	2,820	-9.0%	853	966	1,709	1,849	NM	6	0	0
Missouri	1,285	1,391	-7.6%	563	605	722	787	0	0	0	0
Nebraska	1,959	2,325	-15.8%	18	20	1,941	2,306	0	0	0	0
North Dakota	2,472	2,728	-9.4%	887	965	1,585	1,763	0	0	0	0
South Dakota	1,803	1,769	1.9%	250	285	1,554	1,484	0	0	0	0
South Atlantic	635	739	-14.1%	10	10	625	728	0	1	0	0
Delaware	0	1	-66.5%	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	116	117	-1.0%	0	0	116	117	0	0	0	0
North Carolina	105	111	-5.9%	0	0	105	111	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	10	10	-2.0%	10	10	0	0	0	0	0	0
West Virginia	405	500	-19.1%	0	0	405	500	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	27,754	30,077	-7.7%	388	449	27,365	29,618	NM	10	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	6,480	7,087	-8.6%	353	412	6,126	6,675	0	0	0	0
Texas	21,275	22,990	-7.5%	34	38	21,239	22,943	NM	10	0	0
Mountain	9,186	9,753	-5.8%	2,339	2,590	6,846	7,163	NM	NM	0	0
Arizona	322	304	5.8%	0	0	322	304	0	0	0	0
Colorado	2,651	2,797	-5.2%	682	737	1,969	2,060	0	0	0	0
Idaho	433	471	-8.0%	27	30	406	441	0	0	0	0
Montana	1,050	1,028	2.1%	183	221	868	807	0	0	0	0
Nevada	54	67	-20.3%	0	0	54	67	0	0	0	0
New Mexico	2,777	3,036	-8.5%	485	529	2,291	2,507	NM	NM	0	0
Utah	137	147	-7.3%	0	0	137	147	0	0	0	0
Wyoming	1,762	1,903	-7.4%	963	1,074	800	829	0	0	0	0
Pacific Contiguous	5,056	5,576	-9.3%	877	1,030	4,177	4,544	1	2	0	1
California	2,402	2,577	-6.8%	53	91	2,347	2,484	1	2	0	1
Oregon	1,308	1,494	-12.4%	190	217	1,118	1,277	0	0	0	0
Washington	1,346	1,506	-10.6%	634	722	712	784	0	0	0	0
Pacific Noncontiguous	121	122	-0.6%	14	16	107	106	0	0	0	0
Alaska	24	26	-9.6%	14	16	10	11	0	0	0	0
Hawaii	98	96	1.9%	0	0	98	96	0	0	0	0
U.S. Total	76,601	81,396	-5.9%	13,347	14,415	63,212	66,923	21	34	22	24

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

Table 1.15.A. Utility Scale Facility Net Generation from Biomass by State, by Sector, February 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	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
New England	345	369	-6.3%	27	33	231	242	39	39	49	55
Connecticut	34	35	-0.3%	0	0	34	35	0	0	0	0
Maine	122	135	-9.8%	0	0	72	80	0	0	49	55
Massachusetts	75	73	2.7%	0	0	40	38	35	35	0	0
New Hampshire	57	62	-8.8%	0	0	53	60	3	3	0	0
Rhode Island	21	19	9.3%	0	0	21	19	0	0	0	0
Vermont	36	44	-18.6%	27	33	NM	NM	0	0	0	0
Middle Atlantic	294	302	-2.5%	0	0	161	190	92	69	42	43
New Jersey	52	48	8.5%	0	0	25	28	28	20	0	0
New York	119	127	-6.0%	0	0	59	81	46	35	14	11
Pennsylvania	123	127	-3.2%	0	0	77	81	17	14	28	31
East North Central	295	335	-11.9%	56	63	159	177	8	8	73	87
Illinois	22	22	0.4%	8	7	15	15	0	0	0	0
Indiana	29	29	0.4%	21	21	4	4	0	0	4	4
Michigan	159	172	-8.0%	0	0	108	123	4	3	46	46
Ohio	11	28	-60.0%	0	0	9	13	1	1	1	15
Wisconsin	74	84	-11.3%	27	34	22	22	3	4	22	24
West North Central	133	129	3.2%	20	18	41	42	9	10	63	59
Iowa	17	17	-0.8%	NM	3	7	8	1	2	6	5
Kansas	NM	5	NM	0	0	NM	5	0	0	0	0
Minnesota	93	90	2.4%	9	8	26	26	3	5	55	51
Missouri	11	8	42.7%	3	NM	NM	3	5	2	0	0
Nebraska	6	7	-12.3%	5	5	0	0	1	1	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	1,245	1,288	-3.4%	118	130	378	405	75	75	674	679
Delaware	6	6	-2.8%	0	0	NM	5	0	0	NM	NM
District of Columbia	5	4	8.7%	0	0	0	0	5	4	0	0
Florida	259	291	-11.0%	42	49	77	92	38	39	103	111
Georgia	417	386	8.1%	0	0	133	123	0	0	284	262
Maryland	27	25	10.4%	0	0	27	24	0	0	0	0
North Carolina	121	134	-9.2%	0	0	50	54	0	0	71	80
South Carolina	143	170	-15.9%	6	5	26	41	0	0	111	125
Virginia	266	271	-2.1%	71	76	60	65	32	31	103	100
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	437	429	1.7%	6	7	9	9	0	0	422	413
Alabama	266	262	1.5%	0	0	NM	3	0	0	263	259
Kentucky	34	34	-2.0%	6	7	NM	NM	0	0	26	26
Mississippi	99	102	-2.5%	0	0	NM	NM	0	0	99	101
Tennessee	38	31	21.9%	0	0	NM	4	0	0	34	27
West South Central	334	348	-3.9%	2	22	23	24	0	-1	309	302
Arkansas	71	67	5.6%	0	0	NM	4	0	0	67	63
Louisiana	161	161	-0.3%	0	0	6	7	0	0	155	155
Oklahoma	27	25	10.5%	0	0	NM	NM	0	-1	26	24
Texas	76	95	-20.4%	2	22	13	13	0	0	61	60
Mountain	74	78	-5.4%	NM	NM	38	44	3	3	30	29
Arizona	NM	16	NM	0	0	NM	16	0	0	0	0
Colorado	10	12	-16.8%	0	0	10	12	0	0	0	0
Idaho	35	35	0.4%	NM	NM	NM	4	2	2	29	27
Montana	2	2	4.0%	NM	NM	0	0	0	0	2	2
Nevada	5	4	3.4%	0	0	5	4	0	0	0	0
New Mexico	3	2	4.5%	0	0	3	2	0	0	0	0
Utah	5	6	-9.1%	0	0	NM	5	1	1	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	521	586	-11.2%	25	30	285	326	57	58	154	173
California	359	403	-10.8%	2	4	252	290	53	54	51	55
Oregon	76	80	-5.1%	NM	5	25	28	2	3	44	45
Washington	86	104	-17.5%	NM	21	8	8	NM	NM	58	73
Pacific Noncontiguous	18	24	-26.2%	1	2	NM	8	10	15	0	0
Alaska	3	3	0.4%	0	0	0	0	3	3	0	0
Hawaii	15	21	-30.1%	1	2	NM	8	7	12	0	0
U.S. Total	3,697	3,889	-4.9%	257	307	1,333	1,465	292	276	1,815	1,840

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

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

by State, by Sector, Year-to-Date through February 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	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD
New England	752	790	-4.8%	61	68	508	523	81	82	103	117
Connecticut	75	75	0.4%	0	0	75	75	0	0	0	0
Maine	267	286	-6.9%	0	0	162	167	1	1	103	117
Massachusetts	156	157	-0.3%	0	0	84	83	72	74	0	0
New Hampshire	130	139	-6.7%	0	0	123	133	7	6	0	0
Rhode Island	42	41	3.2%	0	0	42	41	0	0	0	0
Vermont	82	92	-10.7%	61	68	21	24	1	0	0	0
Middle Atlantic	618	652	-5.2%	0	0	334	398	191	163	92	90
New Jersey	113	102	11.0%	0	0	53	58	60	43	0	0
New York	250	283	-11.8%	0	0	125	171	96	87	29	25
Pennsylvania	255	266	-4.4%	0	0	156	169	35	32	63	65
East North Central	651	728	-10.7%	131	136	343	389	15	18	161	185
Illinois	45	48	-5.8%	16	16	29	32	0	0	0	0
Indiana	60	61	-1.9%	43	46	9	7	0	0	8	8
Michigan	341	377	-9.6%	0	0	239	272	8	8	93	97
Ohio	35	64	-45.9%	0	0	19	30	1	1	14	32
Wisconsin	170	179	-4.7%	73	75	46	47	6	9	46	48
West North Central	278	273	1.8%	38	42	86	87	28	25	125	119
Iowa	32	35	-9.5%	6	6	15	16	1	2	10	11
Kansas	10	10	-5.2%	0	0	10	10	0	0	0	0
Minnesota	199	189	5.4%	19	19	55	54	16	13	110	103
Missouri	20	19	7.8%	4	5	6	7	9	6	1	1
Nebraska	12	15	-17.8%	10	12	0	0	2	3	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	NM	4	NM	0	0	0	0	0	0	NM	4
South Atlantic	2,647	2,831	-6.5%	253	309	809	903	154	154	1,430	1,466
Delaware	12	13	-4.0%	0	0	9	10	0	0	3	3
District of Columbia	10	10	1.9%	0	0	0	0	10	10	0	0
Florida	565	650	-13.1%	81	120	163	202	78	80	242	248
Georgia	856	875	-2.2%	0	0	287	299	0	0	569	576
Maryland	53	50	6.3%	0	0	53	49	0	1	0	0
North Carolina	274	299	-8.5%	0	0	112	118	0	0	162	181
South Carolina	325	352	-7.7%	9	10	60	82	0	0	256	260
Virginia	551	580	-5.1%	163	179	124	141	66	63	198	197
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	878	896	-2.1%	13	15	18	19	0	0	846	862
Alabama	528	540	-2.2%	0	0	7	7	0	0	521	533
Kentucky	74	73	0.7%	13	15	NM	NM	0	0	59	56
Mississippi	202	218	-7.3%	0	0	NM	NM	0	0	200	216
Tennessee	74	65	13.8%	0	0	8	8	0	0	67	57
West South Central	704	717	-1.9%	35	32	48	51	0	-2	621	636
Arkansas	136	139	-1.6%	0	0	7	8	0	0	129	131
Louisiana	326	341	-4.2%	0	0	13	14	0	0	313	327
Oklahoma	57	52	9.6%	0	0	NM	3	0	-2	55	50
Texas	184	186	-1.0%	35	32	25	27	0	0	124	128
Mountain	141	166	-15.3%	4	4	83	92	7	7	47	63
Arizona	31	36	-11.9%	0	0	31	36	0	0	0	0
Colorado	21	23	-9.0%	0	0	21	23	0	0	0	0
Idaho	59	76	-21.9%	NM	NM	7	9	5	5	45	60
Montana	4	5	-15.0%	NM	NM	0	0	0	0	2	3
Nevada	9	10	-8.0%	0	0	9	10	0	0	0	0
New Mexico	5	5	-1.6%	0	0	5	5	0	0	0	0
Utah	12	13	-8.3%	0	0	10	11	2	2	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,126	1,244	-9.5%	57	66	618	684	121	122	330	373
California	781	847	-7.8%	4	8	547	608	115	115	115	117
Oregon	164	170	-3.6%	9	10	54	60	5	5	97	96
Washington	181	227	-20.2%	43	49	17	16	2	2	118	160
Pacific Noncontiguous	46	53	-12.5%	2	4	16	17	27	32	0	0
Alaska	7	6	12.3%	0	0	0	0	7	6	0	0
Hawaii	39	46	-16.0%	2	4	16	17	20	26	0	0
U.S. Total	7,840	8,350	-6.1%	594	675	2,864	3,162	626	601	3,756	3,912

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

Table 1.16.A. Utility Scale Facility Net Generation from Geothermal by State, by Sector, February 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	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 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	396	390	1.5%	NM	22	375	368	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	7	NM	0	0	NM	7	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	349	340	2.7%	0	0	349	340	0	0	0	0
New Mexico	4	3	13.5%	0	0	4	3	0	0	0	0
Utah	37	40	-8.1%	NM	22	NM	18	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	848	885	-4.1%	36	64	813	821	0	0	0	0
California	834	869	-4.0%	36	64	798	805	0	0	0	0
Oregon	NM	16	NM	0	0	NM	16	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	NM	27	NM	0	0	NM	27	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	NM	27	NM	0	0	NM	27	0	0	0	0
U.S. Total	1,269	1,302	-2.5%	56	87	1,213	1,215	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 February 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	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 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	824	873	-5.6%	43	52	781	821	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	16	NM	0	0	NM	16	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	727	755	-3.6%	0	0	727	755	0	0	0	0
New Mexico	8	8	-9.3%	0	0	8	8	0	0	0	0
Utah	77	95	-19.1%	43	52	34	43	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,761	1,923	-8.4%	73	120	1,689	1,803	0	0	0	0
California	1,731	1,884	-8.1%	73	120	1,658	1,764	0	0	0	0
Oregon	30	39	-22.3%	0	0	30	39	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	51	63	-19.5%	0	0	51	63	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	51	63	-19.5%	0	0	51	63	0	0	0	0
U.S. Total	2,637	2,860	-7.8%	116	172	2,521	2,688	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 1.17.A. Net Generation from Solar Photovoltaic by State, by Sector, February 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	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
New England	809	631	28.3%	286	209	523	421	10	8	274	200	NM	NM	NM	NM	281	235	NM	NM	NM	NM	16	14	226	172
Connecticut	126	102	23.5%	31	26	96	77	0	0	30	25	NM	NM	NM	NM	30	27	NM	NM	NM	NM	4	4	61	46
Maine	118	63	85.9%	56	29	62	35	0	0	56	29	53	28	0	0	53	28	0	0	0	0	0	0	9	7
Massachusetts	416	356	16.8%	144	118	272	238	6	5	136	112	NM	NM	NM	NM	147	139	NM	NM	NM	NM	10	9	115	90
New Hampshire	NM	19	NM	NM	NM	24	18	0	0	NM	NM	8	7	0	0	8	7	1	1	0	0	1	1	16	11
Rhode Island	94	65	43.5%	40	26	53	39	0	0	40	26	38	28	0	0	38	28	1	0	0	0	1	0	15	10
Vermont	31	25	22.9%	15	11	16	14	4	3	11	8	6	6	0	0	6	6	0	0	0	0	0	0	10	8
Middle Atlantic	992	790	25.6%	385	252	607	538	9	7	361	235	289	268	13	9	277	259	NM	NM	NM	NM	23	23	308	257
New Jersey	355	327	8.9%	123	96	232	231	9	7	102	80	110	115	11	8	98	107	NM	NM	NM	NM	14	15	120	109
New York	484	381	27.0%	195	138	289	244	0	0	194	137	NM	NM	NM	NM	157	135	NM	NM	NM	NM	1	1	131	107
Pennsylvania	153	82	85.4%	67	19	86	63	0	0	65	18	NM	NM	NM	NM	21	17	NM	NM	NM	NM	7	6	58	41
East North Central	1,043	565	84.6%	833	400	210	165	241	92	591	307	NM	NM	NM	NM	96	85	7	5	0	0	7	5	108	75
Illinois	287	202	42.0%	172	113	116	89	0	0	171	113	NM	52	NM	0	55	52	0	0	0	0	0	0	60	37
Indiana	177	106	67.4%	153	84	24	22	93	28	59	55	NM	NM	NM	NM	13	11	1	1	0	0	1	1	10	10
Michigan	140	87	60.1%	119	71	20	16	6	4	114	67	NM	NM	NM	NM	7	6	NM	0	0	0	NM	0	13	10
Ohio	254	77	230.9%	224	54	29	22	NM	NM	223	54	NM	NM	NM	NM	12	9	3	3	0	0	3	2	14	10
Wisconsin	185	93	99.4%	165	78	21	15	141	59	23	18	NM	NM	NM	NM	8	6	2	2	0	0	2	2	11	8
West North Central	343	262	31.3%	220	169	123	93	33	23	181	145	42	33	0	0	42	33	10	3	6	0	4	3	77	56
Iowa	66	54	21.1%	38	32	28	22	20	18	18	14	14	11	0	0	14	11	1	1	0	0	1	1	13	10
Kansas	16	12	28.3%	5	5	11	8	NM	NM	4	4	3	2	0	0	3	2	0	0	0	0	0	0	7	5
Minnesota	172	132	30.1%	149	115	23	17	10	NM	134	113	6	5	0	0	6	5	7	1	6	0	1	1	15	11
Missouri	69	55	27.2%	12	11	57	43	2	2	10	9	18	14	0	0	18	14	1	1	0	0	1	1	38	29
Nebraska	9	8	14.3%	5	5	4	3	NM	NM	5	4	1	1	0	0	1	1	0	0	0	0	0	0	3	2
North Dakota	NM	0	NM	0	0	NM	0	0	0	0	0	NM	0	0	0	NM	0	0	0	0	0	0	0	0	0
South Dakota	11	0	NM	11	NM	0	0	0	0	11	NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Atlantic	4,056	3,168	28.0%	3,370	2,653	687	515	1,479	1,161	1,881	1,483	115	97	10	9	105	88	NM	NM	NM	NM	33	27	548	400
Delaware	25	21	20.3%	10	9	15	12	NM	NM	10	8	NM	NM	NM	NM	3	2	NM	1	0	0	NM	1	11	9
District of Columbia	NM	15	NM	NM	NM	17	14	NM	0	NM	NM	6	5	0	0	6	5	0	0	0	0	0	0	11	9
Florida	1,636	1,260	29.8%	1,307	1,021	329	240	1,227	954	80	66	NM	NM	NM	NM	25	19	NM	NM	NM	NM	6	1	298	219
Georgia	613	502	22.2%	573	467	40	35	47	44	526	423	NM	NM	NM	NM	6	5	NM	NM	0	0	NM	NM	15	12
Maryland	171	150	14.3%	70	55	102	95	NM	NM	68	53	NM	NM	NM	NM	22	30	2	2	0	0	2	2	77	63
North Carolina	867	701	23.7%	805	652	62	49	52	43	746	602	22	19	7	7	14	12	1	1	0	0	1	1	46	36
South Carolina	232	195	18.6%	186	157	45	38	NM	NM	186	156	9	8	0	0	9	8	NM	NM	NM	NM	3	3	34	28
Virginia	488	322	51.4%	414	292	73	30	149	119	265	173	NM	NM	NM	NM	20	6	0	0	0	0	0	0	53	23
West Virginia	NM	3	NM	NM	0	4	3	NM	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	3	2
East South Central	235	148	58.8%	216	133	19	15	15	14	200	118	NM	NM	NM	NM	8	6	1	1	0	0	0	0	11	8
Alabama	NM	49	NM	77	48	NM	NM	NM	NM	75	47	NM	NM	0	0	NM	NM	0	0	0	0	0	0	NM	NM
Kentucky	20	16	24.4%	10	9	10	8	3	2	7	6	NM	NM	NM	NM	2	2	0	0	0	0	0	0	8	6
Mississippi	58	37	56.7%	56	36	2	1	10	10	46	25	1	1	0	0	1	1	NM	0	0	0	NM	0	1	1
Tennessee	78	45	72.8%	73	41	5	4	NM	NM	72	40	NM	NM	NM	NM	3	3	NM	NM	0	0	NM	NM	2	1
West South Central	2,818	1,647	71.1%	2,406	1,353	413	294	23	21	2,368	1,330	65	41	13	1	52	40	NM	NM	NM	NM	4	2	357	252
Arkansas	134	61	120.9%	104	39	31	22	15	14	87	24	11	9	1	1	11	8	NM	NM	NM	NM	3	2	16	12
Louisiana	71	37	90.6%	49	18	22	19	3	2	47	16	2	1	0	0	2	1	0	0	0	0	0	0	20	18
Oklahoma	19	13	52.2%	5	4	15	8	4	4	NM	NM	2	1	0	0	2	1	0	0	0	0	0	0	13	7
Texas	2,593	1,536	68.8%	2,248	1,291	345	245	NM	NM	2,234	1,290	50	NM	12	NM	38	29	NM	NM	NM	NM	NM	0	307	216
Mountain	2,668	2,173	22.7%	1,938	1,569	730	604	94	87	1,834	1,474	103	100	6	5	96	95	16	NM	3	NM	13	10	620	500
Arizona	843	682	23.8%	515	398	329	283	43	33	468	362	NM	NM	NM	NM	38	43	NM	NM	NM	NM	1	1	289	239
Colorado	444	287	54.5%	310	185	134	103	NM	NM	308	183	NM	NM	NM	NM	27	24	4	2	0	0	4	2	102	77
Idaho	59	59	-1.2%	44	47	15	12	13	17	30	30	1	1	0	0	1	1	NM	NM	NM	NM	2	2	13	10
Montana	25	6	343.1%	19	2	6	4	0	0	19	2	1	1	0	0	1	1	0	0	0	0	0	0	5	3
Nevada	687	669	2.8%	560	567	127	102	10	11	547	553	12	11	3	3	9	8	NM	NM	NM	NM	5	5	113	89
New Mexico	277	165	68.0%	219	118	58	47	26	25	194	93	11	10	0	0	11	10	0	0	0	0	0	0	46	37
Utah	320	294	9.0%	260	242	60	52	NM	NM	258	241	9	8	0	0	9	8	NM	1	NM	0	1	1	50	43
Wyoming	13	12	3.1%	11	11	2	2	0	0	11	11	0	0	0	0	0	0	0	0	0	0	0	0	2	1
Pacific Contiguous	4,565	4,028	13.3%	2,573	2,369	1,992	1,660	28	22	2,517	2,321	415	367	14	12	402	355	213	189	14	13	199	176	1,391	1,129
California	4,375	3,862	13.3%	2,454	2,257	1,921	1,605	27	21	2,399	2,210	402	356	14	12	389	344	212	188	14	13	198	175	1,335	1,086
Oregon	135	116	16.9%	101	89	34	26	NM	NM	101	89	8	7	0	0	8	7	1	1	0	0	1	1	24	18
Washington	55	51	7.4%	18	23	37	28	NM	NM	17	22	5	4	0	0	5	4	0	0	0	0	0	0	32	24
Pacific Noncontiguous	157	131	20.2%	44	35	113	96	6	5	38	30	NM	NM	NM	NM	37	35	0	0	0	0	0	0	76	60
Alaska	NM	1	NM	NM	NM	1	0	NM	NM	NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hawaii	156	130	19.6%	43	35	113	95	5	5	37	30	NM	NM	NM	NM	37	35	0	0	0	0	0	0	75	60
U.S. Total	17,686	13,543	30.6%	12,269	9,142	5,417	4,401	1,939	1,441	10,244	7,643	1,455	1,270	59	39	1,396	1,231	327	281	28	19	299	261	3,722	2,908

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report;
Estimated small scale solar photovoltaic generation and small scale solar photovoltaic capacity are based on data from Form EIA-861M, Form EIA-861 and from estimation methods described in the technical notes.

Table 1.17.B. Net Generation from Solar Photovoltaic by State, by Sector, Year-to-Date through February 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	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD
New England	1,392	1,153	20.7%	466	386	926	767	15	13	448	370	518	437	NM	NM	516	435	30	28	NM	NM	29	27	380	304
Connecticut	212	179	18.6%	47	45	165	134	0	0	46	44	56	49	NM	NM	55	49	8	8	NM	NM	8	7	102	78
Maine	200	114	76.0%	85	50	115	64	0	0	85	50	98	51	0	0	98	51	0	0	0	0	0	0	18	13
Massachusetts	720	659	9.2%	244	224	476	436	10	10	232	213	270	260	NM	NM	269	259	19	18	NM	NM	19	18	189	159
New Hampshire	45	35	26.8%	NM	NM	44	35	0	0	NM	NM	15	13	0	0	15	13	2	2	0	0	2	2	28	20
Rhode Island	164	121	35.8%	67	49	97	72	0	0	67	49	70	53	0	0	70	53	1	1	0	0	1	1	27	19
Vermont	51	45	13.2%	23	18	29	27	5	4	18	14	11	11	0	0	11	11	0	0	0	0	0	0	17	16
Middle Atlantic	1,697	1,452	16.8%	637	474	1,060	978	15	13	599	442	523	498	20	17	502	480	43	45	3	3	40	43	518	455
New Jersey	617	600	2.9%	207	182	410	418	15	13	173	153	200	213	18	16	182	197	27	29	NM	NM	27	29	202	192
New York	844	702	20.2%	329	258	515	445	0	0	327	255	287	252	NM	NM	286	252	4	3	NM	NM	2	2	227	191
Pennsylvania	236	151	56.8%	101	35	135	115	0	0	99	34	36	32	NM	NM	35	31	12	13	NM	NM	11	12	89	72
East North Central	1,564	908	72.3%	1,207	620	358	288	348	146	857	472	169	152	NM	NM	167	151	12	9	0	0	12	9	179	128
Illinois	452	333	35.7%	261	180	191	153	0	0	261	180	96	92	NM	NM	96	92	1	0	0	0	1	0	95	60
Indiana	267	166	60.9%	224	128	43	38	137	51	87	77	23	20	NM	NM	23	20	2	1	0	0	2	1	18	17
Michigan	206	140	47.1%	171	111	35	28	8	7	163	105	12	10	NM	NM	12	10	1	0	0	0	1	0	22	18
Ohio	364	125	191.2%	312	85	53	40	NM	NM	310	83	23	18	NM	NM	22	17	5	5	0	0	5	4	25	19
Wisconsin	275	143	91.6%	238	116	36	28	202	87	36	28	14	11	NM	NM	14	11	4	3	0	0	4	3	19	14
West North Central	592	472	25.4%	366	299	226	173	51	40	305	259	77	61	0	0	77	61	18	6	11	0	7	6	142	106
Iowa	106	89	18.3%	56	50	49	39	29	30	27	20	25	20	0	0	25	20	2	2	0	0	2	2	23	17
Kansas	30	23	27.0%	9	9	20	15	NM	NM	7	8	6	5	0	0	6	5	0	0	0	0	0	0	14	10
Minnesota	289	240	20.5%	250	210	40	30	15	4	224	206	10	8	0	0	10	8	13	2	11	0	2	2	27	19
Missouri	129	104	24.4%	20	20	109	83	4	4	17	17	34	26	0	0	34	26	2	2	0	0	2	2	73	56
Nebraska	16	15	11.0%	9	9	7	5	NM	NM	8	8	1	1	0	0	1	1	0	0	0	0	0	0	5	4
North Dakota	0	0	25.1%	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
South Dakota	22	1	NM	21	NM	1	0	0	0	21	NM	0	0	0	0	0	0	0	0	0	0	0	0	1	0
South Atlantic	7,175	5,944	20.7%	5,870	4,952	1,304	993	2,480	2,145	3,372	2,789	217	181	17	17	200	165	65	53	NM	NM	64	52	1,040	776
Delaware	41	37	11.7%	15	15	26	22	NM	NM	14	14	5	5	NM	NM	5	4	2	2	0	0	2	2	19	16
District of Columbia	35	29	23.7%	3	3	32	26	NM	NM	3	3	12	9	0	0	12	9	0	0	0	0	0	0	21	16
Florida	2,822	2,367	19.2%	2,180	1,893	641	475	2,037	1,763	142	129	49	39	NM	NM	48	38	12	3	NM	NM	12	3	581	434
Georgia	1,155	962	20.1%	1,078	894	77	68	88	85	989	809	12	10	NM	NM	12	10	36	35	0	0	36	35	29	22
Maryland	290	267	8.8%	116	100	174	167	NM	NM	113	96	42	53	NM	2	39	50	4	4	0	0	4	4	130	113
North Carolina	1,546	1,334	15.9%	1,427	1,237	119	97	94	80	1,320	1,144	41	37	13	13	28	24	3	2	0	0	3	2	89	70
South Carolina	433	363	19.5%	345	287	88	76	NM	NM	344	285	17	15	0	0	17	15	6	6	NM	NM	6	6	66	55
Virginia	840	582	44.5%	700	524	140	58	254	214	446	310	38	12	NM	NM	38	12	1	1	0	0	1	1	101	45
West Virginia	12	5	121.6%	4	0	7	5	4	0	0	0	2	1	0	0	2	1	0	0	0	0	0	0	5	4
East South Central	407	270	50.5%	372	243	35	28	26	25	345	217	15	13	NM	NM	14	12	1	1	1	1	1	1	20	15
Alabama	139	89	55.7%	136	87	3	3	3	3	133	84	2	2	0	0	2	2	0	0	0	0	0	0	1	1
Kentucky	34	29	18.8%	15	15	19	14	5	4	10	10	5	4	NM	NM	4	4	0	0	0	0	0	0	14	10
Mississippi	104	69	51.3%	100	66	3	3	17	17	83	49	1	1	0	0	1	1	0	0	0	0	0	0	2	2
Tennessee	130	84	55.0%	120	75	10	9	NM	NM	119	74	7	6	NM	NM	6	6	1	1	1	1	0	0	3	3
West South Central	5,276	3,388	55.7%	4,454	2,806	821	581	41	40	4,386	2,763	130	80	26	2	104	77	8	6	NM	NM	7	5	711	499
Arkansas	224	115	95.1%	167	72	58	43	26	26	139	44	21	18	1	2	20	16	6	5	NM	NM	6	5	31	22
Louisiana	126	70	78.9%	83	32	43	38	5	4	78	28	4	3	0	0	4	3	0	0	0	0	0	0	40	35
Oklahoma	36	25	45.1%	8	9	28	16	8	8	NM	NM	3	3	0	0	3	3	0	0	0	0	0	0	24	13
Texas	4,889	3,177	53.9%	4,197	2,693	692	484	NM	NM	4,169	2,691	101	56	25	NM	77	55	1	1	NM	NM	0	0	616	428
Mountain	5,018	4,012	25.1%	3,610	2,824	1,408	1,188	169	158	3,425	2,652	183	199	11	10	172	189	31	24	5	4	25	19	1,210	980
Arizona	1,592	1,305	22.0%	964	742	629	563	77	63	881	673	62	89	3	3	59	87	5	5	NM	NM	2	2	567	474
Colorado	879	519	69.3%	618	321	261	199	NM	NM	615	317	55	49	NM	NM	53	47	9	3	0	0	9	3	199	148
Idaho	102	98	3.5%	76	78	26	21	23	27	52	51	1	1	0	0	1	1	3	3	NM	NM	3	3	21	17
Montana	41	10	319.8%	31	3	10	7	0	0	31	3	2	2	0	0	2	2	0	0	0	0	0	0	8	5
Nevada	1,286	1,228	4.8%	1,037	1,028	249	199	18	20	1,012	1,002	23	21	6	5	17	16	11	10	NM	NM	10	9	222	174
New Mexico	519	319	62.5%	406	226	114	94	47	46	358	180	22	20	0	0	22	20	0	0	0	0	0	0	92	74
Utah	578	513	12.6%	462	411	116	102	NM	NM	459	410	18	16	0	0	18	16	2	1	NM	0	2	1	97	85
Wyoming	21	20	4.2%	17	17	4	3	0	0	17	17	0	0	0	0	0	0	0	0	0	0	0	0	3	3
Pacific Contiguous	8,614	7,563	13.9%	4,777	4,359	3,836	3,204	47	42	4,681	4,269	799	717	24	24	775	694	407	369	25	25	381	344	2,680	2,165
California	8,297	7,275	14.0%	4,574	4,161	3,723	3,115	45	41	4,479	4,071	778	699	24	24	754	676	404	367	25	25	379	342	2,590	2,097
Oregon	230	205	11.9%	174	161	56	44	NM	NM	174	161	13	12	0	0	13	12	2	2	0	0	2	2	40	30
Washington	87	82	5.2%	29	37	58	45	NM	NM	28	37	8	6	0	0	8	6	0	0	0	0	0	0	50	39
Pacific Noncontiguous	307	271	13.5%	83	77	224	194	10	10	72	66	74	72	NM	NM	74	71	1	1	0	0	1	1	150	122
Alaska	2	1	230.3%	NM	NM	1	0	NM	NM	NM	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Hawaii	305	270	13.0%	82	77	224	193	10	10	71	66	74	72	NM	NM	74	71	1	1	0	0	1	1	149	122
U.S. Total	32,041	25,433	26.0%	21,842	17,040	10,200	8,393	3,201	2,632	18,489	14,298	2,705	2,410	103	74	2,602	2,336	616	544	49	36	567	508	7,030	5,549

Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
NM = Not meaningful due to large relative standard error or excessive percentage change.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Negative generation denotes that electric power consumed for plant use exceeds gross generation.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report;
Estimated small scale solar photovoltaic generation and small scale solar photovoltaic capacity are based on data from Form EIA-861M, Form EIA-861 and from estimation methods described in the technical notes.

Table 1.18.A. Utility Scale Facility Net Generation from Solar Thermal by State, by Sector, February 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	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 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	48	38	25.0%	0	0	48	38	0	0	0	0
Arizona	41	33	23.2%	0	0	41	33	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	7	5	37.4%	0	0	7	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	71	71	1.3%	0	0	71	71	0	0	0	0
California	71	71	1.3%	0	0	71	71	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	119	109	9.7%	0	0	119	109	0	0	0	0

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

Table 1.18.B. Utility Scale Facility Net Generation from Solar Thermal

by State, by Sector, Year-to-Date through February 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	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 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	82	72	13.4%	0	0	82	72	0	0	0	0
Arizona	69	57	21.4%	0	0	69	57	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	13	15	-15.7%	0	0	13	15	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	117	120	-3.2%	0	0	117	120	0	0	0	0
California	117	120	-3.2%	0	0	117	120	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	199	193	3.0%	0	0	199	193	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-February 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
Year to Date					
2022	88,622	64,103	24,223	15	282
2023	62,356	47,370	14,719	14	253
2024	68,287	52,545	15,472	16	254
Rolling 12 Months Ending in February					
2023	445,310	332,587	111,010	86	1,626
2024	392,532	296,061	94,917	68	1,485

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-February 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
Year to Date					
2022	2,000	410	132	97	1,361
2023	1,763	280	114	72	1,298
2024	1,737	284	90	80	1,283
Rolling 12 Months Ending in February					
2023	11,118	2,139	712	423	7,844
2024	9,561	1,559	542	351	7,109

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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-February 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
Year to Date					
2022	90,623	64,513	24,355	111	1,643
2023	64,119	47,650	14,833	86	1,550
2024	70,024	52,829	15,563	96	1,536
Rolling 12 Months Ending in February					
2023	456,428	334,726	111,723	509	9,470
2024	402,093	297,620	95,460	419	8,594

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.
See the Technical Notes for fuel conversion factors.
Totals may not equal sum of components because of independent rounding.
Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.
Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.2.A. Petroleum Liquids: Consumption for Electricity Generation, by Sector, 2014-February 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
Year to Date					
2022	7,284	3,564	3,563	61	97
2023	3,791	2,697	954	38	103
2024	4,205	3,136	921	37	111
Rolling 12 Months Ending in February					
2023	25,267	17,508	6,865	231	663
2024	21,126	16,117	4,270	NM	555

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 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-February 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
Year to Date					
2022	664	42	86	144	392
2023	676	15	64	83	515
2024	783	24	44	130	584
Rolling 12 Months Ending in February					
2023	4,193	79	381	434	3,301
2024	3,410	80	310	NM	2,601

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 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-February 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
Year to Date					
2022	7,948	3,605	3,649	205	489
2023	4,468	2,712	1,018	121	617
2024	4,988	3,160	965	167	696
Rolling 12 Months Ending in February					
2023	29,460	17,587	7,246	664	3,964
2024	24,537	16,197	4,580	NM	3,155

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 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-February 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
Year to Date					
2022	488	346	118	1	23
2023	298	223	57	0	18
2024	238	164	60	0	14
Rolling 12 Months Ending in February					
2023	2,795	2,148	518	3	127
2024	1,787	1,269	NM	1	99

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 2.3.B. Petroleum Coke: Consumption for Useful Thermal Output, by Sector, 2014-February 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
Year to Date					
2022	122	10	19	3	90
2023	91	2	31	2	57
2024	94	0	16	2	76
Rolling 12 Months Ending in February					
2023	687	15	105	12	555
2024	634	7	NM	3	528

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 2.3.C. Petroleum Coke: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2014-February 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
Year to Date					
2022	610	356	137	4	113
2023	389	224	89	2	74
2024	332	164	75	2	90
Rolling 12 Months Ending in February					
2023	3,482	2,163	622	14	682
2024	2,421	1,276	NM	4	627

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 2.4.A. Natural Gas: Consumption for Electricity Generation, by Sector, 2014-February 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
Year to Date					
2022	1,796,284	914,165	776,891	7,505	97,724
2023	1,884,365	957,608	820,299	7,916	98,542
2024	2,094,461	1,064,723	916,697	8,731	104,310
Rolling 12 Months Ending in February					
2023	12,472,179	6,419,485	5,407,459	49,070	596,165
2024	13,433,223	6,896,699	5,876,016	51,800	608,708

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-February 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
Year to Date					
2022	210,414	8,564	53,594	13,796	134,459
2023	207,406	8,339	51,212	12,784	135,070
2024	218,851	8,715	55,259	13,587	141,290
Rolling 12 Months Ending in February					
2023	1,203,232	46,103	302,743	73,672	780,713
2024	1,233,884	51,399	314,099	73,213	795,173

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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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-February 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
Year to Date					
2022	2,006,698	922,729	830,485	21,301	232,183
2023	2,091,771	965,947	871,512	20,701	233,612
2024	2,313,312	1,073,438	971,956	22,318	245,599
Rolling 12 Months Ending in February					
2023	13,675,411	6,465,588	5,710,203	122,742	1,376,878
2024	14,667,107	6,948,098	6,190,115	125,012	1,403,881

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.A. Landfill Gas: Consumption for Electricity Generation, by Sector, 2014-February 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
Year to Date					
2022	35,862	3,326	29,606	2,560	369
2023	32,905	3,164	26,783	2,541	417
2024	31,325	3,067	25,574	2,243	441
Rolling 12 Months Ending in February					
2023	208,910	18,324	173,336	14,880	2,370
2024	192,695	18,404	158,440	13,426	2,425

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-February 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
Year to Date					
2022	775	3	383	150	239
2023	853	2	438	116	298
2024	783	2	396	97	288
Rolling 12 Months Ending in February					
2023	4,358	14	2,050	784	1,510
2024	4,507	11	2,212	686	1,597

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.
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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-February 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
Year to Date					
2022	36,637	3,329	29,990	2,709	609
2023	33,758	3,166	27,221	2,657	715
2024	32,109	3,069	25,970	2,340	729
Rolling 12 Months Ending in February					
2023	213,267	18,338	175,386	15,663	3,880
2024	197,202	18,415	160,653	14,112	4,022

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 2.6.A. Biogenic Municipal Solid Waste: Consumption for Electricity Generation, by Sector, 2014-February 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
Year to Date					
2022	2,331	42	1,213	1,077	0
2023	2,248	40	1,155	1,054	0
2024	2,241	38	1,114	1,088	0
Rolling 12 Months Ending in February					
2023	14,505	272	7,288	6,946	0
2024	13,853	282	6,900	6,671	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-February 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
Year to Date					
2022	278	0	69	209	0
2023	247	0	71	176	0
2024	271	0	78	193	0
Rolling 12 Months Ending in February					
2023	1,615	0	403	1,213	0
2024	1,568	0	456	1,112	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.C. Biogenic Municipal Solid Waste: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2014-February 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
Year to Date					
2022	2,609	42	1,282	1,286	0
2023	2,495	40	1,225	1,230	0
2024	2,512	38	1,192	1,282	0
Rolling 12 Months Ending in February					
2023	16,121	272	7,690	8,158	0
2024	15,421	282	7,356	7,783	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-February 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
Year to Date					
2022	55,944	8,187	22,113	196	25,447
2023	49,471	6,900	18,421	123	24,027
2024	45,824	6,390	16,394	135	22,905
Rolling 12 Months Ending in February					
2023	317,291	45,070	121,433	1,066	149,722
2024	270,773	33,682	98,072	745	138,275

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.B. Wood / Wood Waste Biomass: Consumption for Useful Thermal Output, by Sector, 2014-February 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
Year to Date					
2022	137,635	775	3,898	563	132,399
2023	133,422	658	3,536	412	128,816
2024	120,828	609	3,147	423	116,648
Rolling 12 Months Ending in February					
2023	815,182	4,512	21,217	3,006	786,447
2024	734,726	3,728	23,099	2,354	705,545

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.
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Table 2.7.C. Wood / Wood Waste Biomass: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2014-February 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
Year to Date					
2022	193,579	8,962	26,012	759	157,846
2023	182,893	7,558	21,957	534	152,843
2024	166,652	6,999	19,542	558	139,553
Rolling 12 Months Ending in February					
2023	1,132,473	49,582	142,650	4,072	936,168
2024	1,005,499	37,410	121,171	3,098	843,820

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

Table 2.8.A. Consumption of Coal for Electricity Generation by State, by Sector, February 2024 and February 2023 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
New England	1	33	-97.0%	0	0	1	33	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	1	2	-52.0%	0	0	1	2	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	31	-100.0%	0	0	0	31	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	819	879	-6.9%	0	0	818	877	0	0	1	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	819	879	-6.9%	0	0	818	877	0	0	1	2
East North Central	4,947	5,577	-11.0%	3,292	3,363	1,629	2,187	1	2	24	26
Illinois	1,008	1,231	-18.0%	57	62	934	1,148	NM	0	17	21
Indiana	1,484	1,732	-14.0%	1,348	1,558	135	173	1	1	0	0
Michigan	961	937	2.6%	955	924	5	12	0	0	NM	0
Ohio	758	962	-21.0%	203	109	555	854	0	0	0	0
Wisconsin	735	715	2.8%	729	710	0	0	0	0	6	5
West North Central	5,237	5,811	-9.9%	5,170	5,750	0	0	1	1	66	60
Iowa	375	519	-28.0%	338	486	0	0	0	0	36	33
Kansas	385	719	-46.0%	385	719	0	0	0	0	0	0
Minnesota	516	441	17.0%	513	438	0	0	0	0	3	3
Missouri	1,476	1,643	-10.0%	1,475	1,643	0	0	0	0	0	0
Nebraska	800	781	2.4%	776	760	0	0	0	0	24	21
North Dakota	1,610	1,659	-3.0%	1,607	1,656	0	0	0	0	3	3
South Dakota	75	49	53.0%	75	49	0	0	0	0	0	0
South Atlantic	2,869	2,830	1.4%	2,630	2,357	230	463	1	0	9	10
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	171	305	-44.0%	171	304	0	0	0	0	0	0
Georgia	633	257	146.0%	631	256	0	0	0	0	3	2
Maryland	39	34	13.0%	0	0	39	34	0	0	0	0
North Carolina	401	273	47.0%	400	271	0	0	1	0	1	2
South Carolina	426	349	22.0%	426	345	0	3	0	0	0	1
Virginia	65	145	-55.0%	59	139	0	0	0	0	5	5
West Virginia	1,134	1,468	-23.0%	943	1,041	192	427	0	0	0	0
East South Central	3,339	2,848	17.0%	3,185	2,729	146	113	0	0	9	6
Alabama	796	666	20.0%	796	666	0	0	0	0	0	0
Kentucky	1,703	1,455	17.0%	1,703	1,455	0	0	0	0	0	0
Mississippi	152	134	14.0%	7	21	146	113	0	0	0	0
Tennessee	688	593	16.0%	679	587	0	0	0	0	9	6
West South Central	3,788	3,830	-1.1%	1,950	1,839	1,837	1,990	0	0	1	1
Arkansas	802	453	77.0%	662	296	140	156	0	0	0	1
Louisiana	234	83	183.0%	173	83	61	0	0	0	0	0
Oklahoma	89	132	-33.0%	88	132	0	0	0	0	1	0
Texas	2,662	3,162	-16.0%	1,026	1,328	1,636	1,834	0	0	0	0
Mountain	4,618	4,751	-2.8%	3,868	3,978	742	765	0	0	8	8
Arizona	562	643	-13.0%	562	643	0	0	0	0	0	0
Colorado	951	787	21.0%	951	787	0	0	0	0	0	0
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	614	655	-6.3%	0	0	614	655	0	0	NM	NM
Nevada	103	70	46.0%	59	34	43	36	0	0	0	0
New Mexico	452	472	-4.1%	452	472	0	0	0	0	0	0
Utah	491	728	-33.0%	450	692	41	36	0	0	0	0
Wyoming	1,446	1,396	3.6%	1,394	1,350	44	38	0	0	7	7
Pacific Contiguous	217	295	-27.0%	0	0	212	290	0	0	5	5
California	4	4	-12.0%	0	0	0	0	0	0	4	4
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	213	291	-27.0%	0	0	212	290	0	0	1	1
Pacific Noncontiguous	56	33	68.0%	44	NM	NM	9	4	4	0	0
Alaska	56	33	68.0%	44	NM	NM	9	4	4	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	25,891	26,887	-3.7%	20,140	20,036	5,622	6,727	6	6	123	118

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

Table 2.8.B. Consumption of Coal for Electricity Generation by State, by Sector, Year-to-Date through February 2024 and February 2023 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD
New England	13	46	-70.0%	0	0	13	46	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	1	3	-59.0%	0	0	1	3	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	12	42	-71.0%	0	0	12	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	2,248	1,608	40.0%	0	0	2,246	1,604	0	0	3	4
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	2,248	1,608	40.0%	0	0	2,246	1,604	0	0	3	4
East North Central	13,612	13,182	3.3%	8,810	8,247	4,749	4,875	2	2	50	58
Illinois	2,812	2,729	3.0%	150	148	2,625	2,533	1	1	36	46
Indiana	4,165	3,781	10.0%	3,857	3,464	306	316	2	1	0	0
Michigan	2,160	2,661	-19.0%	2,146	2,636	13	25	0	0	1	0
Ohio	2,252	2,296	-1.9%	447	296	1,805	2,000	0	0	0	0
Wisconsin	2,223	1,714	30.0%	2,210	1,703	0	0	0	0	13	11
West North Central	14,263	14,118	1.0%	14,124	13,986	0	0	3	3	136	129
Iowa	1,440	1,276	13.0%	1,363	1,204	0	0	1	2	76	70
Kansas	1,528	1,870	-18.0%	1,528	1,870	0	0	0	0	0	0
Minnesota	1,469	1,335	10.0%	1,461	1,329	0	0	1	0	6	6
Missouri	4,207	4,104	2.5%	4,206	4,103	0	0	1	1	0	0
Nebraska	1,855	1,936	-4.2%	1,808	1,889	0	0	0	0	47	47
North Dakota	3,558	3,548	0.3%	3,551	3,541	0	0	0	0	6	7
South Dakota	206	49	321.0%	206	49	0	0	0	0	0	0
South Atlantic	8,443	6,117	38.0%	7,694	5,096	730	998	2	0	17	22
Delaware	13	0	--	0	0	13	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	557	677	-18.0%	556	675	0	0	0	0	1	1
Georgia	1,720	687	150.0%	1,714	684	0	0	0	0	6	4
Maryland	168	59	183.0%	0	0	168	59	0	0	0	0
North Carolina	1,408	458	207.0%	1,405	454	0	0	2	0	1	4
South Carolina	1,142	817	40.0%	1,142	811	0	5	0	0	0	1
Virginia	249	250	-0.4%	240	238	0	0	0	0	9	12
West Virginia	3,186	3,168	0.6%	2,636	2,234	550	934	0	0	0	0
East South Central	7,938	6,703	18.0%	7,643	6,301	277	390	0	0	19	13
Alabama	1,819	1,651	10.0%	1,819	1,651	0	0	0	0	0	0
Kentucky	3,975	3,286	21.0%	3,975	3,286	0	0	0	0	0	0
Mississippi	445	497	-11.0%	168	107	277	390	0	0	0	0
Tennessee	1,699	1,269	34.0%	1,680	1,256	0	0	0	0	19	13
West South Central	11,117	9,327	19.0%	5,673	4,637	5,441	4,688	0	0	3	1
Arkansas	2,115	1,505	41.0%	1,779	1,127	334	377	0	0	1	1
Louisiana	698	317	120.0%	461	317	237	0	0	0	0	0
Oklahoma	717	419	71.0%	715	419	0	0	0	0	2	0
Texas	7,587	7,087	7.1%	2,718	2,775	4,869	4,312	0	0	0	0
Mountain	10,121	10,579	-4.3%	8,521	9,052	1,584	1,511	0	0	16	16
Arizona	1,343	1,471	-8.7%	1,343	1,471	0	0	0	0	0	0
Colorado	2,037	1,863	9.3%	2,037	1,863	0	0	0	0	0	0
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	1,295	1,266	2.3%	0	0	1,295	1,265	0	0	NM	NM
Nevada	255	173	47.0%	135	74	120	99	0	0	0	0
New Mexico	959	772	24.0%	959	772	0	0	0	0	0	0
Utah	1,073	1,723	-38.0%	996	1,660	77	63	0	0	0	0
Wyoming	3,158	3,312	-4.6%	3,051	3,213	92	84	0	0	16	15
Pacific Contiguous	425	600	-29.0%	0	0	414	589	0	0	10	11
California	9	9	-4.6%	0	0	0	0	0	0	9	9
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	416	591	-30.0%	0	0	414	589	0	0	1	1
Pacific Noncontiguous	106	78	37.0%	80	52	17	18	9	9	0	0
Alaska	106	78	37.0%	80	52	17	18	9	9	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	68,287	62,356	9.5%	52,545	47,370	15,472	14,719	16	14	254	253

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
New England	22	322	-93.0%	2	23	17	293	2	4	1	2
Connecticut	NM	84	NM	NM	NM	NM	82	NM	1	0	1
Maine	2	55	-96.0%	0	0	2	54	0	0	1	1
Massachusetts	3	85	-97.0%	NM	22	NM	62	1	NM	0	0
New Hampshire	1	68	-98.0%	0	0	NM	66	1	2	0	0
Rhode Island	NM	29	NM	0	0	NM	29	0	1	0	0
Vermont	0	NM	NM	0	NM	0	0	0	0	0	0
Middle Atlantic	37	306	-88.0%	NM	108	23	189	NM	NM	6	5
New Jersey	NM	23	NM	0	0	NM	22	NM	0	0	0
New York	25	265	-90.0%	NM	108	18	153	NM	NM	0	2
Pennsylvania	NM	18	NM	NM	NM	NM	15	1	1	5	3
East North Central	49	54	-9.6%	31	27	17	26	0	0	1	1
Illinois	7	5	48.0%	NM	NM	7	4	NM	NM	0	0
Indiana	8	12	-29.0%	8	11	0	0	0	0	0	0
Michigan	14	8	78.0%	14	8	0	0	NM	NM	0	0
Ohio	12	24	-50.0%	2	NM	10	21	0	0	0	0
Wisconsin	7	5	24.0%	6	5	0	0	NM	0	1	NM
West North Central	74	77	-3.6%	74	76	NM	NM	0	0	0	0
Iowa	20	10	95.0%	20	10	NM	NM	0	0	NM	NM
Kansas	20	13	56.0%	20	13	0	0	0	0	0	0
Minnesota	5	6	-14.0%	5	6	NM	NM	0	0	0	0
Missouri	7	25	-74.0%	7	25	0	0	0	0	0	0
Nebraska	7	6	10.0%	7	6	0	0	0	0	0	0
North Dakota	13	13	7.0%	13	13	0	0	0	0	0	0
South Dakota	NM	4	NM	NM	4	0	0	NM	NM	0	0
South Atlantic	102	124	-18.0%	70	76	13	30	6	4	12	14
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	27	-47.0%	12	24	0	1	0	0	2	2
Georgia	14	12	21.0%	3	2	2	NM	NM	0	9	10
Maryland	6	12	-49.0%	NM	0	6	12	0	0	0	0
North Carolina	10	11	-7.0%	10	9	NM	NM	NM	NM	NM	2
South Carolina	13	8	62.0%	12	8	NM	0	0	0	1	0
Virginia	19	27	-30.0%	10	13	3	10	6	4	NM	1
West Virginia	23	20	16.0%	23	20	0	0	0	0	0	0
East South Central	16	25	-35.0%	16	25	NM	NM	0	0	NM	NM
Alabama	NM	NM	NM	1	NM	NM	NM	0	0	NM	NM
Kentucky	8	6	34.0%	8	6	0	0	0	0	0	0
Mississippi	NM	0	NM	NM	0	0	0	0	0	0	0
Tennessee	7	19	-61.0%	7	19	0	0	0	0	0	0
West South Central	36	40	-11.0%	14	17	21	23	NM	NM	1	0
Arkansas	3	6	-50.0%	3	6	0	0	0	0	NM	NM
Louisiana	2	NM	NM	2	NM	0	0	0	0	0	0
Oklahoma	5	NM	NM	4	NM	0	0	0	0	1	0
Texas	26	33	-22.0%	5	10	20	22	NM	NM	0	0
Mountain	19	24	-20.0%	17	24	2	NM	NM	NM	0	0
Arizona	4	4	4.5%	4	4	0	0	NM	NM	0	0
Colorado	5	6	-22.0%	5	6	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	1	1	17.0%	1	1	0	0	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	2	3	-24.0%	2	3	0	0	0	0	0	0
Wyoming	5	10	-52.0%	5	10	0	0	0	0	0	0
Pacific Contiguous	22	18	21.0%	5	12	3	0	2	4	12	2
California	19	9	117.0%	5	5	2	0	2	3	10	NM
Oregon	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Washington	NM	9	NM	NM	7	1	NM	0	1	NM	1
Pacific Noncontiguous	1,046	1,013	3.2%	909	904	114	90	1	1	22	19
Alaska	132	115	15.0%	123	108	0	0	1	0	8	6
Hawaii	914	898	1.7%	786	795	114	90	0	1	14	12
U.S. Total	1,423	2,003	-29.0%	1,144	1,292	211	651	13	17	55	43

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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 2.9.B. Consumption of Petroleum Liquids for Electricity Generation by State, by Sector, Year-to-Date through February 2024 and February 2023 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD
New England	162	356	-55.0%	NM	25	143	321	6	7	3	3
Connecticut	75	106	-29.0%	1	1	72	102	0	1	1	1
Maine	19	58	-67.0%	0	0	17	56	0	0	2	2
Massachusetts	54	89	-39.0%	NM	23	43	64	2	NM	0	0
New Hampshire	4	70	-95.0%	0	0	NM	67	3	3	0	0
Rhode Island	10	33	-70.0%	0	0	NM	32	0	1	0	0
Vermont	NM	NM	NM	NM	NM	0	0	0	0	0	0
Middle Atlantic	333	351	-5.0%	121	118	196	218	NM	6	10	9
New Jersey	16	29	-46.0%	0	0	16	29	NM	0	0	0
New York	235	288	-18.0%	121	118	109	162	NM	NM	1	4
Pennsylvania	83	34	145.0%	0	0	72	27	3	2	8	5
East North Central	171	132	29.0%	87	76	81	54	1	0	1	1
Illinois	11	10	16.0%	NM	NM	10	8	NM	NM	0	0
Indiana	28	36	-23.0%	27	36	0	0	1	0	0	0
Michigan	30	21	41.0%	29	21	0	0	NM	NM	0	0
Ohio	84	52	63.0%	13	6	71	45	0	0	0	1
Wisconsin	18	14	28.0%	NM	13	0	1	0	0	1	NM
West North Central	292	166	76.0%	289	164	NM	NM	1	NM	1	0
Iowa	47	28	68.0%	47	28	NM	NM	0	NM	NM	NM
Kansas	76	28	167.0%	76	28	0	0	0	0	0	0
Minnesota	NM	15	NM	NM	13	NM	NM	1	0	1	0
Missouri	92	57	62.0%	92	57	0	0	0	0	0	0
Nebraska	28	13	111.0%	28	13	0	0	0	0	0	0
North Dakota	25	19	32.0%	25	19	0	0	0	0	0	0
South Dakota	NM	6	NM	NM	6	0	0	NM	NM	0	0
South Atlantic	585	282	107.0%	379	196	154	44	16	14	35	29
Delaware	NM	NM	NM	0	1	NM	NM	0	0	0	0
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	51	51	1.1%	44	47	NM	1	0	0	3	3
Georgia	70	30	136.0%	29	9	13	NM	NM	0	27	20
Maryland	62	18	242.0%	1	0	61	18	0	0	NM	0
North Carolina	137	25	447.0%	101	21	33	NM	NM	NM	1	3
South Carolina	58	24	141.0%	57	21	NM	2	0	0	1	1
Virginia	153	55	179.0%	109	26	26	13	14	14	3	2
West Virginia	38	71	-47.0%	38	71	0	0	0	0	0	0
East South Central	61	66	-7.4%	60	65	NM	NM	0	0	1	1
Alabama	14	7	89.0%	13	7	NM	NM	0	0	NM	NM
Kentucky	22	16	35.0%	22	16	0	0	0	0	0	0
Mississippi	2	1	73.0%	1	1	0	0	0	0	1	0
Tennessee	24	42	-43.0%	23	41	0	0	0	0	0	0
West South Central	163	94	74.0%	89	39	71	54	NM	NM	3	1
Arkansas	14	13	11.0%	11	10	3	3	0	0	NM	NM
Louisiana	NM	NM	NM	NM	NM	0	0	0	0	0	0
Oklahoma	11	5	118.0%	9	5	0	0	0	0	2	0
Texas	133	75	77.0%	64	24	69	51	NM	NM	1	1
Mountain	88	51	75.0%	78	47	10	4	NM	NM	0	0
Arizona	7	6	16.0%	7	6	0	0	NM	NM	0	0
Colorado	45	13	236.0%	38	13	7	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	15	2	624.0%	12	NM	3	2	0	0	0	0
Nevada	2	2	1.7%	1	1	0	0	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	6	9	-32.0%	6	8	0	1	0	0	0	0
Wyoming	10	17	-37.0%	10	17	0	0	0	0	0	0
Pacific Contiguous	55	45	21.0%	26	19	11	1	4	7	14	18
California	33	32	1.8%	11	11	7	0	4	6	11	15
Oregon	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Washington	22	13	70.0%	15	8	4	1	0	1	3	3
Pacific Noncontiguous	2,295	2,248	2.1%	1,996	1,948	253	257	3	3	43	40
Alaska	281	266	5.7%	265	251	0	0	1	1	16	14
Hawaii	2,014	1,982	1.6%	1,731	1,697	253	257	2	2	27	25
U.S. Total	4,205	3,791	11.0%	3,136	2,697	921	954	37	38	111	103

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

Table 2.10.A. Consumption of Petroleum Coke for Electricity Generation by State, by Sector, February 2024 and February 2023 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 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	79	38	107.0%	62	28	NM	NM	0	0	3	4
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	65	30	119.0%	62	25	0	0	0	0	3	4
Ohio	14	NM	NM	0	0	NM	NM	0	0	0	0
Wisconsin	0	3	-100.0%	0	3	0	0	0	0	0	0
West North Central	0	0	255.0%	0	0	0	0	0	0	0	0
Iowa	0	0	255.0%	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	50	NM	7	48	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	48	-85.0%	7	48	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	3	33	-92.0%	0	31	0	0	0	0	3	2
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	3	2	5.6%	0	0	0	0	0	0	3	2
Mountain	15	14	1.9%	0	0	15	14	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	15	14	1.9%	0	0	15	14	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	0	0	--	0	0	0	0	0	0	0	0
California	0	0	--	0	0	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	104	135	-23.0%	69	107	29	20	0	0	6	8

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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.B. Consumption of Petroleum Coke for Electricity Generation by State, by Sector, Year-to-Date through February 2024 and February 2023 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 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	164	119	38.0%	125	82	32	NM	0	0	8	10
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	131	86	53.0%	124	76	0	0	0	0	8	10
Ohio	32	NM	NM	0	0	32	NM	0	0	0	0
Wisconsin	1	6	-79.0%	1	6	0	0	0	0	0	0
West North Central	0	0	31.0%	0	0	0	0	0	0	0	0
Iowa	0	0	31.0%	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	24	100	-76.0%	24	97	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	24	97	-76.0%	24	97	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	21	49	-58.0%	15	43	0	0	0	0	5	5
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	15	43	-65.0%	15	43	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	5	5	0.2%	0	0	0	0	0	0	5	5
Mountain	28	30	-7.4%	0	0	28	30	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	28	30	-7.4%	0	0	28	30	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	238	298	-20.0%	164	223	60	57	0	0	14	18

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

Table 2.11.A. Consumption of Natural Gas for Electricity Generation by State, by Sector, February 2024 and February 2023 (Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
New England	28,303	26,721	5.9%	28	25	27,130	25,651	541	432	604	613
Connecticut	12,213	11,631	5.0%	27	25	11,673	11,220	152	120	361	265
Maine	1,906	1,290	48.0%	0	0	1,850	1,112	12	11	45	166
Massachusetts	9,121	8,969	1.7%	0	0	8,718	8,637	357	284	45	47
New Hampshire	1,470	1,147	28.0%	0	0	1,447	1,127	7	6	15	14
Rhode Island	3,592	3,685	-2.5%	0	0	3,442	3,554	12	10	NM	NM
Vermont	1	1	50.0%	1	0	0	0	0	1	0	0
Middle Atlantic	129,913	119,162	9.0%	8,566	7,426	117,907	108,608	830	648	2,610	2,480
New Jersey	15,222	10,925	39.0%	NM	NM	14,774	10,526	192	148	192	190
New York	37,201	30,589	22.0%	8,491	7,364	27,779	22,482	578	439	352	305
Pennsylvania	77,490	77,647	-0.2%	11	1	75,354	75,600	60	61	2,065	1,985
East North Central	134,381	114,758	17.0%	48,906	40,283	81,304	70,830	677	655	3,494	2,990
Illinois	15,239	13,093	16.0%	1,941	1,075	12,456	11,361	212	184	629	473
Indiana	21,706	20,306	6.9%	10,963	9,092	8,931	9,589	69	76	1,743	1,549
Michigan	33,998	26,548	28.0%	15,144	9,753	18,274	16,242	252	257	329	295
Ohio	47,949	39,483	21.0%	6,049	5,724	41,643	33,529	105	91	153	139
Wisconsin	15,488	15,328	1.0%	14,808	14,639	0	109	39	47	640	533
West North Central	26,172	17,113	53.0%	21,759	13,376	3,299	2,710	160	168	954	860
Iowa	5,846	4,623	26.0%	5,445	4,298	NM	0	77	70	324	255
Kansas	3,201	2,195	46.0%	2,986	1,965	0	0	0	0	216	230
Minnesota	8,314	4,382	90.0%	5,810	2,302	2,137	1,733	34	41	333	306
Missouri	4,349	3,369	29.0%	3,128	2,322	1,161	977	47	55	13	15
Nebraska	1,354	626	116.0%	1,340	625	0	0	3	1	11	0
North Dakota	1,574	1,202	31.0%	1,563	1,190	0	0	0	0	11	13
South Dakota	1,533	715	114.0%	1,486	674	0	0	0	0	46	41
South Atlantic	216,101	203,352	6.3%	179,634	172,278	33,586	28,273	580	510	2,300	2,291
Delaware	2,282	1,193	91.0%	0	8	1,846	753	0	0	436	432
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	89,014	88,475	0.6%	84,084	83,338	4,409	4,425	NM	NM	460	652
Georgia	31,741	33,968	-6.6%	26,681	28,094	4,571	5,509	0	0	489	366
Maryland	5,663	7,334	-23.0%	883	1,974	4,486	5,102	273	241	21	18
North Carolina	34,592	32,881	5.2%	29,645	28,006	4,770	4,687	119	108	58	81
South Carolina	12,787	12,851	-0.5%	12,440	12,593	276	NM	0	0	71	72
Virginia	38,331	25,403	51.0%	25,811	18,190	11,979	6,743	6	21	534	448
West Virginia	1,569	1,166	35.0%	90	75	1,247	867	0	0	232	224
East South Central	73,661	74,844	-1.6%	59,207	53,573	12,588	19,534	82	82	1,783	1,655
Alabama	27,788	31,303	-11.0%	14,472	11,387	12,581	19,200	0	0	735	716
Kentucky	6,893	7,720	-11.0%	6,814	7,317	0	327	0	0	79	75
Mississippi	30,080	28,508	5.5%	29,852	28,263	7	8	0	0	221	238
Tennessee	8,900	7,313	22.0%	8,069	6,605	0	0	82	82	748	625
West South Central	181,405	197,292	-8.1%	69,080	81,663	80,995	84,233	370	315	30,960	31,080
Arkansas	6,372	13,188	-52.0%	5,766	12,485	503	588	NM	NM	72	82
Louisiana	33,603	36,591	-8.2%	19,990	23,307	1,555	1,510	NM	NM	12,022	11,758
Oklahoma	20,531	20,298	1.1%	14,359	13,288	5,888	6,693	0	0	284	316
Texas	120,899	127,215	-5.0%	28,966	32,583	73,050	75,441	302	266	18,582	18,925
Mountain	70,776	64,597	9.6%	58,456	51,983	11,054	11,728	220	165	1,047	721
Arizona	23,365	21,459	8.9%	18,058	14,773	5,264	6,654	NM	31	0	0
Colorado	10,574	10,117	4.5%	8,913	8,857	1,563	1,180	3	1	95	78
Idaho	3,769	3,160	19.0%	2,523	2,076	1,159	1,012	14	14	74	58
Montana	752	1,009	-25.0%	646	785	106	224	0	0	NM	NM
Nevada	14,141	13,109	7.9%	13,220	12,308	562	597	21	21	338	184
New Mexico	8,198	7,296	12.0%	5,846	5,278	2,317	1,980	NM	38	1	0
Utah	7,985	7,035	14.0%	7,632	6,876	NM	NM	NM	60	167	19
Wyoming	1,990	1,413	41.0%	1,619	1,031	0	1	0	0	372	381
Pacific Contiguous	72,915	71,966	1.3%	31,694	28,678	35,627	38,178	717	822	4,877	4,288
California	46,599	50,380	-7.5%	15,492	16,465	25,984	29,335	694	669	4,430	3,911
Oregon	14,417	13,287	8.5%	7,572	6,630	6,781	6,593	18	18	46	47
Washington	11,899	8,298	43.0%	8,630	5,582	2,862	2,250	5	135	402	330
Pacific Noncontiguous	2,809	2,333	20.0%	2,789	2,309	0	0	0	0	19	24
Alaska	2,809	2,333	20.0%	2,789	2,309	0	0	0	0	19	24
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	936,436	892,138	5.0%	480,120	451,594	403,490	389,745	4,178	3,797	48,647	47,001

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD
New England	64,770	57,477	13.0%	NM	51	62,302	55,120	1,119	932	1,243	1,373
Connecticut	26,423	25,624	3.1%	56	51	25,325	24,689	310	260	733	623
Maine	4,756	3,233	47.0%	0	0	4,638	2,846	23	23	95	364
Massachusetts	21,909	17,668	24.0%	NM	0	21,023	16,954	747	612	91	101
New Hampshire	4,067	2,777	46.0%	0	0	4,021	2,739	14	11	32	28
Rhode Island	7,612	8,174	-6.9%	0	0	7,296	7,893	24	24	292	257
Vermont	2	2	41.0%	2	1	0	0	1	1	0	0
Middle Atlantic	271,492	254,666	6.6%	17,719	15,509	246,744	232,558	1,725	1,394	5,304	5,205
New Jersey	35,620	26,713	33.0%	NM	NM	34,706	25,858	381	315	404	407
New York	78,423	65,524	20.0%	17,565	15,346	58,907	48,574	1,211	949	739	654
Pennsylvania	157,449	162,428	-3.1%	25	29	153,131	158,126	133	130	4,161	4,143
East North Central	277,883	238,563	16.0%	99,637	84,831	169,660	146,176	1,388	1,366	7,198	6,190
Illinois	31,833	27,529	16.0%	3,714	2,757	26,392	23,347	428	397	1,298	1,028
Indiana	45,715	42,689	7.1%	22,283	19,238	19,759	20,140	134	161	3,539	3,150
Michigan	66,098	55,078	20.0%	28,303	20,078	36,579	33,843	530	534	686	623
Ohio	100,218	80,127	25.0%	12,882	11,457	86,749	68,183	216	189	371	299
Wisconsin	34,020	33,141	2.7%	32,455	31,302	181	663	80	87	1,304	1,090
West North Central	59,341	39,715	49.0%	48,531	31,558	8,545	6,042	308	305	1,957	1,810
Iowa	12,591	10,917	15.0%	11,828	10,250	NM	NM	149	115	612	552
Kansas	6,861	4,286	60.0%	6,384	3,807	0	0	0	0	477	479
Minnesota	18,435	10,741	72.0%	12,563	6,397	5,110	3,631	72	82	690	631
Missouri	11,582	7,714	50.0%	8,038	5,163	3,435	2,411	79	105	31	36
Nebraska	3,000	1,595	88.0%	2,964	1,592	0	0	8	3	28	0
North Dakota	3,430	2,614	31.0%	3,409	2,588	0	0	0	0	22	26
South Dakota	3,442	1,848	86.0%	3,346	1,762	0	0	0	0	96	86
South Atlantic	460,652	433,653	6.2%	382,114	367,411	72,512	60,510	1,209	1,081	4,817	4,652
Delaware	4,510	3,694	22.0%	1	9	3,592	2,788	0	0	917	897
District of Columbia	236	157	51.0%	0	0	0	0	236	157	0	0
Florida	195,222	186,498	4.7%	184,016	175,828	10,080	9,308	NM	NM	993	1,239
Georgia	70,728	68,495	3.3%	57,924	56,695	11,810	10,968	0	0	994	832
Maryland	13,351	13,337	0.1%	2,584	4,473	10,152	8,302	566	524	49	38
North Carolina	69,726	74,056	-5.8%	58,943	63,742	10,386	9,921	261	229	136	164
South Carolina	25,557	26,065	-1.9%	24,840	25,451	572	471	0	0	145	143
Virginia	77,674	58,436	33.0%	53,494	41,113	23,065	16,369	12	47	1,103	908
West Virginia	3,648	2,915	25.0%	312	101	2,855	2,383	0	0	480	431
East South Central	176,382	155,843	13.0%	136,388	112,600	35,926	39,621	175	175	3,892	3,447
Alabama	66,104	63,185	4.6%	29,711	22,514	34,746	39,178	0	0	1,648	1,493
Kentucky	19,219	15,844	21.0%	17,884	15,254	1,168	429	0	0	167	161
Mississippi	69,590	60,752	15.0%	69,075	60,262	12	13	0	0	503	476
Tennessee	21,468	16,061	34.0%	19,719	14,569	0	0	175	175	1,574	1,317
West South Central	452,532	401,516	13.0%	174,969	163,240	209,293	172,878	841	678	67,429	64,720
Arkansas	20,457	27,851	-27.0%	19,201	26,715	1,020	911	NM	NM	166	158
Louisiana	78,488	69,247	13.0%	48,032	40,935	3,999	2,908	101	NM	26,356	25,350
Oklahoma	56,312	42,123	34.0%	38,420	28,184	17,265	13,249	1	0	626	690
Texas	297,275	262,295	13.0%	69,315	67,406	187,010	155,811	670	556	40,280	38,522
Mountain	155,081	141,285	9.8%	126,718	116,119	25,569	23,237	465	348	2,329	1,581
Arizona	50,922	45,061	13.0%	38,173	33,341	12,658	11,656	91	64	0	0
Colorado	24,255	24,227	0.1%	20,131	20,623	3,918	3,439	4	1	203	163
Idaho	8,068	6,924	17.0%	5,371	4,614	2,504	2,173	29	29	164	108
Montana	1,826	2,378	-23.0%	1,555	1,956	270	422	0	0	NM	NM
Nevada	31,798	28,118	13.0%	29,926	26,805	1,069	864	42	41	761	408
New Mexico	17,119	16,966	0.9%	12,007	12,374	4,973	4,511	NM	81	61	0
Utah	16,870	14,519	16.0%	16,097	14,044	NM	171	221	132	376	171
Wyoming	4,224	3,093	37.0%	3,458	2,362	2	1	0	0	764	730
Pacific Contiguous	170,250	156,569	8.7%	72,509	61,261	86,145	84,157	1,500	1,636	10,096	9,515
California	115,391	110,061	4.8%	38,426	34,227	66,332	65,832	1,458	1,315	9,175	8,688
Oregon	30,268	27,739	9.1%	16,106	14,346	14,030	13,266	36	37	96	89
Washington	24,591	18,769	31.0%	17,977	12,688	5,782	5,060	6	284	826	738
Pacific Noncontiguous	6,077	5,078	20.0%	6,031	5,027	0	0	0	0	45	50
Alaska	6,077	5,078	20.0%	6,031	5,027	0	0	0	0	45	50
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	2,094,461	1,884,365	11.0%	1,064,723	957,608	916,697	820,299	8,731	7,916	104,310	98,542

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
New England	925	848	9.2%	NM	78	821	754	20	15	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	230	199	16.0%	0	0	230	199	0	0	0	0
New Hampshire	120	111	7.4%	0	0	100	96	20	15	0	0
Rhode Island	423	396	6.8%	0	0	423	396	0	0	0	0
Vermont	NM	90	NM	NM	78	NM	NM	0	0	0	0
Middle Atlantic	2,486	2,487	0.0%	0	0	2,338	2,343	NM	NM	122	111
New Jersey	280	327	-14.0%	0	0	276	322	NM	NM	0	0
New York	1,197	1,107	8.2%	0	0	1,197	1,107	0	0	0	0
Pennsylvania	1,009	1,053	-4.2%	0	0	865	914	NM	NM	122	111
East North Central	3,460	3,415	1.3%	730	688	2,696	2,687	14	22	20	17
Illinois	585	544	7.7%	198	185	387	358	0	0	0	0
Indiana	644	587	9.6%	532	503	112	84	0	0	0	0
Michigan	1,330	1,383	-3.9%	0	0	1,330	1,383	0	0	0	0
Ohio	228	277	-18.0%	0	0	228	277	0	0	0	0
Wisconsin	674	624	7.9%	0	0	640	585	14	22	20	17
West North Central	691	600	15.0%	306	230	376	361	0	0	NM	NM
Iowa	163	160	1.9%	0	0	163	160	0	0	0	0
Kansas	NM	112	NM	0	0	NM	112	0	0	0	0
Minnesota	107	79	36.0%	71	NM	NM	NM	0	0	0	0
Missouri	173	111	56.0%	108	NM	NM	NM	0	0	0	0
Nebraska	127	130	-2.4%	127	130	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	3,497	3,023	16.0%	311	182	3,102	2,753	NM	NM	73	75
Delaware	123	115	6.5%	0	0	NM	101	0	0	NM	NM
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	699	589	19.0%	113	66	587	523	0	0	0	0
Georgia	467	404	16.0%	0	0	467	402	0	0	1	3
Maryland	129	113	14.0%	0	0	129	113	0	0	0	0
North Carolina	667	621	7.5%	0	0	667	621	0	0	0	0
South Carolina	274	191	44.0%	199	116	NM	NM	0	0	58	58
Virginia	1,121	983	14.0%	0	0	1,110	971	NM	NM	0	0
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	361	361	0.2%	151	169	211	192	0	0	0	0
Alabama	NM	NM	NM	0	0	NM	NM	0	0	0	0
Kentucky	184	193	-4.3%	151	169	NM	NM	0	0	0	0
Mississippi	NM	NM	NM	0	0	NM	NM	0	0	0	0
Tennessee	NM	82	NM	0	0	NM	82	0	0	0	0
West South Central	502	460	9.2%	0	0	502	460	0	0	0	0
Arkansas	NM	91	NM	0	0	NM	91	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	346	302	15.0%	0	0	346	302	0	0	0	0
Mountain	491	451	8.9%	NM	NM	362	345	73	66	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	128	107	20.0%	NM	NM	NM	NM	56	50	0	0
Montana	NM	NM	NM	NM	NM	0	0	0	0	0	0
Nevada	133	109	23.0%	0	0	133	109	0	0	0	0
New Mexico	NM	NM	NM	0	0	NM	NM	0	0	0	0
Utah	71	95	-25.0%	0	0	NM	79	17	16	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	3,626	3,752	-3.3%	NM	100	2,681	2,670	841	981	0	0
California	3,130	3,294	-5.0%	NM	NM	2,314	2,338	811	951	0	0
Oregon	414	388	6.4%	NM	95	284	263	NM	NM	0	0
Washington	NM	NM	NM	0	0	NM	NM	0	0	0	0
Pacific Noncontiguous	62	60	2.6%	0	0	0	0	62	60	0	0
Alaska	62	60	2.6%	0	0	0	0	62	60	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	16,103	15,456	4.2%	1,744	1,488	13,090	12,565	1,046	1,191	224	212

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD
New England	1,799	1,785	0.8%	162	166	1,597	1,584	40	34	0	0
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	NM	84	NM	0	0	NM	84	0	0	0	0
Massachusetts	417	423	-1.4%	0	0	417	423	0	0	0	0
New Hampshire	242	237	1.9%	0	0	202	203	40	34	0	0
Rhode Island	846	824	2.7%	0	0	846	824	0	0	0	0
Vermont	189	192	-1.9%	162	166	NM	NM	0	0	0	0
Middle Atlantic	4,864	5,228	-7.0%	0	0	4,577	4,954	NM	NM	226	195
New Jersey	591	679	-13.0%	0	0	581	665	NM	NM	0	0
New York	2,313	2,346	-1.4%	0	0	2,313	2,346	0	0	0	0
Pennsylvania	1,959	2,203	-11.0%	0	0	1,683	1,943	NM	NM	226	195
East North Central	6,783	7,441	-8.8%	1,367	1,447	5,354	5,906	20	51	41	37
Illinois	1,160	1,164	-0.4%	402	400	758	763	0	0	0	0
Indiana	1,202	1,221	-1.6%	965	1,047	236	174	0	0	0	0
Michigan	2,635	3,086	-15.0%	0	0	2,635	3,086	0	0	0	0
Ohio	444	653	-32.0%	0	0	444	653	0	0	0	0
Wisconsin	1,342	1,317	1.9%	0	0	1,281	1,229	20	51	41	37
West North Central	1,237	1,289	-4.0%	485	501	734	769	0	0	19	NM
Iowa	318	342	-7.1%	0	0	318	342	0	0	0	0
Kansas	229	237	-3.5%	0	0	229	237	0	0	0	0
Minnesota	173	168	2.7%	102	95	NM	73	0	0	0	0
Missouri	251	236	6.3%	135	120	116	116	0	0	0	0
Nebraska	247	286	-13.0%	247	286	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	19	NM	NM	0	0	0	0	0	0	19	NM
South Atlantic	6,423	6,443	-0.3%	452	390	5,792	5,862	NM	NM	155	165
Delaware	240	245	-2.1%	0	0	209	214	0	0	31	NM
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,283	1,255	2.3%	172	141	1,112	1,114	0	0	0	0
Georgia	858	867	-1.0%	0	0	857	857	0	0	2	10
Maryland	238	240	-1.1%	0	0	238	240	0	0	0	0
North Carolina	1,348	1,377	-2.1%	0	0	1,348	1,377	0	0	0	0
South Carolina	436	408	7.0%	280	248	NM	NM	0	0	122	124
Virginia	2,001	2,036	-1.7%	0	0	1,977	2,009	NM	NM	0	0
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	709	771	-8.0%	297	365	412	406	0	0	0	0
Alabama	145	150	-2.9%	0	0	145	150	0	0	0	0
Kentucky	361	414	-13.0%	297	365	64	NM	0	0	0	0
Mississippi	NM	NM	NM	0	0	NM	NM	0	0	0	0
Tennessee	170	174	-2.6%	0	0	170	174	0	0	0	0
West South Central	964	977	-1.3%	0	0	964	977	0	0	0	0
Arkansas	188	192	-2.5%	0	0	188	192	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	135	143	-5.8%	0	0	135	143	0	0	0	0
Texas	642	641	0.1%	0	0	642	641	0	0	0	0
Mountain	941	953	-1.2%	91	84	698	726	152	143	0	0
Arizona	NM	70	NM	0	0	NM	70	0	0	0	0
Colorado	140	144	-2.6%	0	0	140	144	0	0	0	0
Idaho	243	228	6.8%	NM	54	NM	66	113	108	0	0
Montana	NM	NM	NM	NM	NM	0	0	0	0	0	0
Nevada	232	231	0.4%	0	0	232	231	0	0	0	0
New Mexico	NM	NM	NM	0	0	NM	NM	0	0	0	0
Utah	171	195	-12.0%	0	0	132	160	39	35	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	7,464	7,895	-5.5%	212	212	5,446	5,599	1,806	2,083	0	0
California	6,516	6,948	-6.2%	NM	NM	4,763	4,920	1,743	2,017	0	0
Oregon	802	801	0.2%	202	201	537	533	64	NM	0	0
Washington	146	146	0.1%	0	0	146	146	0	0	0	0
Pacific Noncontiguous	141	125	13.0%	0	0	0	0	141	125	0	0
Alaska	141	125	13.0%	0	0	0	0	141	125	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	31,325	32,905	-4.8%	3,067	3,164	25,574	26,783	2,243	2,541	441	417

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

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

Census Division and State	All Sectors			Electric Power Sector							
				Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
New England	234	227	3.3%	0	0	150	143	84	84	0	0
Connecticut	68	62	10.0%	0	0	68	62	0	0	0	0
Maine	11	12	-6.7%	0	0	9	9	3	3	0	0
Massachusetts	146	144	1.7%	0	0	65	63	81	81	0	0
New Hampshire	9	9	-3.7%	0	0	9	9	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	374	336	11.0%	0	0	158	147	215	189	0	0
New Jersey	103	92	12.0%	0	0	30	27	73	65	0	0
New York	124	110	13.0%	0	0	21	22	102	88	0	0
Pennsylvania	147	134	9.4%	0	0	108	99	39	36	0	0
East North Central	14	13	11.0%	3	3	0	0	11	10	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	1	1	-7.8%	0	0	0	0	1	1	0	0
Michigan	10	9	11.0%	0	0	0	0	10	9	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	3	3	24.0%	3	3	0	0	0	0	0	0
West North Central	32	31	3.3%	14	13	18	19	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	32	31	3.3%	14	13	18	19	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	365	367	-0.6%	0	0	185	198	180	169	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	240	255	-5.7%	0	0	141	159	99	95	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	45	39	15.0%	0	0	45	39	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	80	74	8.6%	0	0	0	0	80	74	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	25	41	-39.0%	0	0	19	32	6	9	0	0
California	8	22	-65.0%	0	0	2	13	6	9	0	0
Oregon	4	7	-39.0%	0	0	4	7	0	0	0	0
Washington	13	12	8.5%	0	0	13	12	0	0	0	0
Pacific Noncontiguous	17	31	-46.0%	0	0	0	0	17	31	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	17	31	-46.0%	0	0	0	0	17	31	0	0
U.S. Total	1,062	1,046	1.5%	17	15	531	539	513	492	0	0

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD
New England	492	486	1.3%	0	0	315	305	177	180	0	0
Connecticut	144	135	7.0%	0	0	144	135	0	0	0	0
Maine	23	26	-9.3%	0	0	17	18	6	8	0	0
Massachusetts	309	308	0.5%	0	0	138	135	171	172	0	0
New Hampshire	15	17	-11.0%	0	0	15	17	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	775	724	7.1%	0	0	322	309	453	415	0	0
New Jersey	215	190	13.0%	0	0	58	56	157	134	0	0
New York	262	249	5.1%	0	0	46	45	216	204	0	0
Pennsylvania	298	285	4.9%	0	0	218	208	81	77	0	0
East North Central	27	27	2.1%	6	6	0	0	21	21	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	3	2	2.3%	0	0	0	0	3	2	0	0
Michigan	19	19	-0.6%	0	0	0	0	19	19	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	6	6	11.0%	6	6	0	0	0	0	0	0
West North Central	70	70	-0.4%	32	34	38	36	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	70	70	-0.4%	32	34	38	36	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	761	787	-3.2%	0	0	393	437	368	349	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	509	551	-7.7%	0	0	303	356	206	196	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	90	82	10.0%	0	0	90	82	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	162	153	5.5%	0	0	0	0	162	153	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	65	90	-28.0%	0	0	46	67	19	22	0	0
California	28	52	-45.0%	0	0	9	29	19	22	0	0
Oregon	10	14	-34.0%	0	0	10	14	0	0	0	0
Washington	27	24	13.0%	0	0	27	24	0	0	0	0
Pacific Noncontiguous	49	65	-24.0%	0	0	0	0	49	65	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	49	65	-24.0%	0	0	0	0	49	65	0	0
U.S. Total	2,241	2,248	-0.3%	38	40	1,114	1,155	1,088	1,054	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.
Notes: See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
New England	2,066	2,412	-14.0%	312	437	1,520	1,712	1	1	233	262
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	902	1,008	-11.0%	0	0	669	747	0	0	233	262
Massachusetts	NM	NM	NM	0	0	NM	NM	0	0	0	0
New Hampshire	593	672	-12.0%	0	0	593	672	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	430	570	-25.0%	312	437	NM	NM	1	1	0	0
Middle Atlantic	201	605	-67.0%	0	0	0	396	0	0	201	209
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	74	458	-84.0%	0	0	0	396	0	0	74	62
Pennsylvania	127	147	-13.0%	0	0	0	0	0	0	127	147
East North Central	1,405	1,665	-16.0%	321	398	733	848	0	0	351	419
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	979	1,089	-10.0%	0	0	730	843	0	0	249	246
Ohio	7	72	-90.0%	0	0	3	5	0	0	4	67
Wisconsin	419	505	-17.0%	321	398	0	0	0	0	98	106
West North Central	397	384	3.4%	NM	NM	NM	94	35	39	260	244
Iowa	1	4	-76.0%	0	0	0	0	1	4	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	352	349	0.7%	NM	NM	NM	94	10	23	240	225
Missouri	25	11	125.0%	0	0	0	0	25	11	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	8,383	8,578	-2.3%	1,626	1,689	2,492	2,612	0	7	4,265	4,270
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	947	972	-2.6%	507	494	0	0	0	0	440	478
Georgia	3,497	3,251	7.5%	0	0	1,606	1,524	0	0	1,891	1,728
Maryland	0	7	-100.0%	0	0	0	0	0	7	0	0
North Carolina	554	668	-17.0%	0	0	196	255	0	0	359	413
South Carolina	1,034	1,239	-17.0%	0	0	393	498	0	0	641	741
Virginia	2,350	2,440	-3.7%	1,120	1,195	NM	335	0	0	934	910
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	2,521	2,481	1.6%	0	0	0	0	0	0	2,521	2,481
Alabama	1,764	1,743	1.2%	0	0	0	0	0	0	1,764	1,743
Kentucky	126	125	0.8%	0	0	0	0	0	0	126	125
Mississippi	466	482	-3.3%	0	0	0	0	0	0	466	482
Tennessee	165	132	25.0%	0	0	0	0	0	0	165	132
West South Central	1,710	1,988	-14.0%	35	347	0	0	0	0	1,675	1,640
Arkansas	328	311	5.6%	0	0	0	0	0	0	328	311
Louisiana	899	896	0.3%	0	0	0	0	0	0	899	896
Oklahoma	143	132	8.8%	0	0	0	0	0	0	143	132
Texas	339	649	-48.0%	35	347	0	0	0	0	304	301
Mountain	367	420	-13.0%	0	0	NM	278	0	0	149	143
Arizona	NM	NM	NM	0	0	NM	NM	0	0	0	0
Colorado	60	91	-34.0%	0	0	60	91	0	0	0	0
Idaho	132	133	-1.2%	0	0	1	9	0	0	131	125
Montana	18	18	-0.6%	0	0	0	0	0	0	18	18
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	3,760	4,104	-8.4%	NM	290	2,136	2,168	0	0	1,367	1,647
California	2,574	2,654	-3.0%	0	0	1,942	1,948	0	0	632	705
Oregon	531	552	-3.7%	0	0	NM	NM	0	0	337	333
Washington	654	899	-27.0%	NM	290	0	0	0	0	398	609
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	20,851	22,684	-8.1%	2,558	3,170	7,235	8,154	37	47	11,021	11,314

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

Table 2.14.B. Consumption of Wood / Wood Waste Biomass for Electricity Generation by State, by Sector, Year-to-Date through February 2024 and February 2023 (Billion Btus)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD
New England	4,803	5,225	-8.1%	745	875	3,565	3,791	2	2	490	557
Connecticut	211	226	-6.7%	0	0	211	226	0	0	0	0
Maine	2,033	2,173	-6.4%	0	0	1,543	1,616	0	0	490	557
Massachusetts	NM	NM	NM	0	0	NM	NM	0	0	0	0
New Hampshire	1,408	1,515	-7.1%	0	0	1,408	1,515	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	1,024	1,175	-13.0%	745	875	277	298	2	2	0	0
Middle Atlantic	450	1,256	-64.0%	0	0	0	810	0	0	450	446
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	156	943	-83.0%	0	0	0	810	0	0	156	133
Pennsylvania	294	313	-5.9%	0	0	0	0	0	0	294	312
East North Central	3,350	3,672	-8.8%	841	873	1,734	1,907	0	0	774	892
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	2,232	2,420	-7.8%	0	0	1,728	1,897	0	0	504	522
Ohio	67	157	-57.0%	0	0	7	9	0	0	61	147
Wisconsin	1,050	1,095	-4.1%	841	873	0	0	0	0	209	223
West North Central	884	821	7.7%	NM	NM	201	199	133	106	523	492
Iowa	6	7	-13.0%	0	0	0	0	6	7	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	789	737	7.2%	NM	NM	201	199	79	64	483	451
Missouri	49	36	36.0%	0	0	0	0	49	36	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	42	NM	0	0	0	0	0	0	NM	42
South Atlantic	18,189	19,222	-5.4%	3,639	3,973	5,598	6,062	0	15	8,953	9,172
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	2,109	2,257	-6.6%	1,055	1,171	0	0	0	0	1,054	1,086
Georgia	7,265	7,474	-2.8%	0	0	3,486	3,684	0	0	3,779	3,790
Maryland	0	15	-100.0%	0	0	0	0	0	15	0	0
North Carolina	1,329	1,512	-12.0%	0	0	503	571	0	0	825	941
South Carolina	2,402	2,583	-7.0%	0	0	905	1,048	0	0	1,497	1,535
Virginia	5,085	5,380	-5.5%	2,583	2,802	704	759	0	0	1,798	1,820
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	5,050	5,167	-2.3%	0	0	0	0	0	0	5,050	5,167
Alabama	3,496	3,595	-2.8%	0	0	0	0	0	0	3,496	3,595
Kentucky	278	265	4.7%	0	0	0	0	0	0	278	265
Mississippi	952	1,027	-7.3%	0	0	0	0	0	0	952	1,027
Tennessee	324	280	16.0%	0	0	0	0	0	0	324	280
West South Central	3,899	3,955	-1.4%	529	502	0	0	0	0	3,370	3,453
Arkansas	638	644	-0.9%	0	0	0	0	0	0	638	644
Louisiana	1,808	1,894	-4.5%	0	0	0	0	0	0	1,808	1,894
Oklahoma	304	275	11.0%	0	0	0	0	0	0	304	275
Texas	1,148	1,141	0.6%	529	502	0	0	0	0	619	639
Mountain	743	886	-16.0%	0	0	508	574	0	0	235	312
Arizona	375	404	-7.3%	0	0	375	404	0	0	0	0
Colorado	129	156	-17.0%	0	0	129	156	0	0	0	0
Idaho	210	290	-28.0%	0	0	4	14	0	0	205	276
Montana	29	36	-19.0%	0	0	0	0	0	0	29	36
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	8,358	9,163	-8.8%	608	656	4,689	4,972	0	0	3,060	3,536
California	5,725	5,985	-4.3%	0	0	4,229	4,476	0	0	1,496	1,508
Oregon	1,203	1,208	-0.4%	0	0	460	496	0	0	743	712
Washington	1,430	1,971	-27.0%	608	656	0	0	0	0	822	1,315
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	45,824	49,471	-7.4%	6,390	6,900	16,394	18,421	135	123	22,905	24,027

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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.

Chapter 3

Fossil-Fuel Stocks for Electricity Generation

Table 3.1. Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, 2014 - February 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

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, February 2024 and 2023

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	February 2024	February 2023	Percentage Change	February 2024	February 2023	Percentage Change	February 2024	February 2023	Percentage Change
New England	W	W	W	2,579	2,415	6.8%	0	0	--
Connecticut	0	0	--	987	894	10.5%	0	0	--
Maine	0	0	--	269	271	-0.6%	0	0	--
Massachusetts	0	0	--	894	920	-2.8%	0	0	--
New Hampshire	W	W	W	282	190	48.2%	0	0	--
Rhode Island	0	0	--	121	112	7.9%	0	0	--
Vermont	0	0	--	26	28	-8.4%	0	0	--
Middle Atlantic	2,032	2,873	-29.3%	4,752	4,511	5.3%	0	0	--
New Jersey	0	0	--	417	477	-12.6%	0	0	--
New York	0	0	--	3,206	2,797	14.6%	0	0	--
Pennsylvania	2,032	2,873	-29.3%	1,129	1,237	-8.8%	0	0	--
East North Central	25,228	19,114	32.0%	832	1,457	-42.9%	W	W	W
Illinois	5,540	3,734	48.4%	66	68	-2.8%	0	0	--
Indiana	8,471	7,425	14.1%	111	105	5.8%	0	0	--
Michigan	3,263	2,798	16.6%	180	173	4.2%	W	W	W
Ohio	3,935	2,301	71.0%	296	357	-17.0%	0	0	--
Wisconsin	4,018	2,856	40.7%	178	755	-76.4%	W	W	W
West North Central	27,065	19,064	42.0%	882	1,701	-48.1%	0	0	--
Iowa	5,161	4,032	28.0%	66	101	-35.0%	0	0	--
Kansas	5,147	3,255	58.1%	224	210	6.6%	0	0	--
Minnesota	2,922	2,361	23.7%	79	797	-90.1%	0	0	--
Missouri	8,260	4,983	65.8%	353	401	-11.8%	0	0	--
Nebraska	3,743	2,654	41.0%	62	96	-35.0%	0	0	--
North Dakota	W	W	W	30	37	-17.6%	0	0	--
South Dakota	W	W	W	69	60	14.6%	0	0	--
South Atlantic	18,993	18,188	4.4%	8,711	9,188	-5.2%	W	W	W
Delaware	W	W	W	414	437	-5.4%	0	0	--
District of Columbia	0	0	--	0	0	--	0	0	--
Florida	1,977	1,913	3.3%	3,755	3,775	-0.5%	W	W	W
Georgia	W	W	W	1,198	1,179	1.6%	0	0	--
Maryland	741	753	-1.5%	596	605	-1.4%	0	0	--
North Carolina	3,586	4,335	-17.3%	975	1,048	-7.0%	0	0	--
South Carolina	2,718	1,964	38.4%	489	557	-12.2%	0	0	--
Virginia	W	W	W	1,159	1,449	-20.0%	0	0	--
West Virginia	4,612	4,990	-7.6%	126	138	-8.3%	W	W	W
East South Central	12,175	10,475	16.2%	1,035	1,015	2.0%	0	0	--
Alabama	4,098	2,269	80.6%	256	252	1.3%	0	0	--
Kentucky	5,893	5,921	-0.5%	247	249	-0.8%	0	0	--
Mississippi	W	W	W	6	5	17.1%	0	0	--
Tennessee	W	W	W	527	509	3.5%	0	0	--
West South Central	26,313	19,361	35.9%	1,816	2,091	-13.1%	W	W	W
Arkansas	4,374	3,780	15.7%	160	165	-3.2%	0	0	--
Louisiana	3,415	2,321	47.1%	198	201	-1.5%	W	W	W
Oklahoma	4,835	2,989	61.8%	26	33	-22.1%	0	0	--
Texas	13,689	10,271	33.3%	1,433	1,692	-15.3%	0	0	--
Mountain	W	W	W	308	355	-13.0%	W	W	W
Arizona	3,362	2,358	42.6%	132	127	3.7%	0	0	--
Colorado	3,013	1,651	82.5%	92	121	-24.1%	0	0	--
Idaho	0	0	--	0	0	-42.8%	0	0	--
Montana	W	W	W	12	19	-37.7%	W	W	W
Nevada	W	W	W	3	2	25.5%	0	0	--
New Mexico	0	0	--	2	6	-58.4%	0	0	--
Utah	W	2,482	W	31	50	-38.8%	0	0	--
Wyoming	3,999	W	W	37	29	26.1%	0	0	--
Pacific Contiguous	W	W	W	327	359	-8.9%	0	0	--
California	0	0	--	170	176	-3.4%	0	0	--
Oregon	0	0	--	48	70	-30.7%	0	0	--
Washington	W	W	W	109	113	-4.1%	0	0	--
Pacific Noncontiguous	0	W	W	1,166	1,204	-3.2%	0	0	--
Alaska	0	W	W	6	92	-93.4%	0	0	--
Hawaii	0	0	--	1,160	1,112	4.3%	0	0	--
U.S. Total	127,107	99,700	27.5%	22,410	24,296	-7.8%	309	368	-16.1%

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

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

	Electric Power Sector			Electric Utilities		Independent Power Producers	
Census Division	**February 2024**	**February 2023**	**Percentage Change**	**February 2024**	**February 2023**	**February 2024**	**February 2023**
Coal (Thousand Tons)							
New England	W	W	W	0	0	W	W
Middle Atlantic	2,032	2,873	-29.3%	W	W	W	W
East North Central	25,228	19,114	32.0%	16,366	13,669	8,862	5,445
West North Central	27,065	19,064	42.0%	27,065	19,064	0	0
South Atlantic	18,993	18,188	4.4%	17,729	16,525	1,264	1,662
East South Central	12,175	10,475	16.2%	12,175	10,475	0	0
West South Central	26,313	19,361	35.9%	18,629	13,182	7,684	6,178
Mountain	W	W	W	W	W	W	W
Pacific Contiguous	W	W	W	0	0	W	W
Pacific Noncontiguous	0	W	W	0	W	0	W
U.S. Total	**127,107**	**99,700**	**27.5%**	**105,995**	**82,181**	**21,112**	**17,519**
Petroleum Liquids (Thousand Barrels)							
New England	2,579	2,415	6.8%	229	170	2,350	2,245
Middle Atlantic	4,752	4,511	5.3%	1,920	1,788	2,832	2,723
East North Central	832	1,457	-42.9%	592	1,194	240	264
West North Central	882	1,701	-48.1%	857	982	26	719
South Atlantic	8,711	9,188	-5.2%	6,739	7,156	1,973	2,031
East South Central	1,035	1,015	2.0%	996	976	39	39
West South Central	1,816	2,091	-13.1%	706	900	1,110	1,190
Mountain	308	355	-13.0%	283	324	25	31
Pacific Contiguous	327	359	-8.9%	243	275	84	84
Pacific Noncontiguous	1,166	1,204	-3.2%	1,138	1,165	28	39
U.S. Total	**22,410**	**24,296**	**-7.8%**	**13,703**	**14,931**	**8,706**	**9,365**
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	**309**	**368**	**-16.1%**	**301**	**356**	**8**	**12**

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 - February 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

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 - February 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
Year to Date												
2022	1,429,637	76,182	2.19	41.03	1.20	84.1	26,945	4,477	18.04	108.67	0.45	56.3
2023	1,361,481	71,824	2.60	49.23	1.27	112.0	23,363	3,867	21.11	127.64	0.47	86.6
2024	1,167,888	62,483	2.49	46.55	1.21	89.2	16,417	2,711	19.15	115.98	0.46	54.4
Rolling 12 Months Ending in February												
2023	8,808,086	465,360	2.43	45.99	1.29	102.0	113,359	18,752	24.41	147.60	0.47	63.7
2024	7,847,694	417,129	2.50	47.08	1.22	103.7	94,857	15,590	19.72	120.03	0.45	63.5

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

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

- Values for 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 - February 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
Year to Date												
2022	9,393	330	4.29	121.89	5.41	54.1	1,878,588	1,817,796	6.31	6.52	90.6	4.54
2023	8,758	312	4.66	130.79	5.65	80.1	1,838,276	1,778,069	5.80	6.00	85.0	4.49
2024	2,293	83	2.64	73.09	5.55	25.0	2,018,999	1,950,863	3.93	4.06	84.3	3.45
Rolling 12 Months Ending in February												
2023	64,054	2,268	4.40	124.23	5.56	65.1	12,799,938	12,396,346	7.15	7.39	90.6	5.22
2024	34,252	1,221	3.80	106.61	5.59	50.4	12,712,924	12,316,568	3.10	3.20	84.0	2.94

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

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- Totals may not equal the sum of components because of independent rounding.

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

Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2014 - February 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
Year to Date												
2022	1,046,757	55,400	2.22	41.92	1.06	85.9	12,957	2,148	17.92	108.14	0.47	59.6
2023	1,035,633	54,377	2.66	50.72	1.15	114.1	16,064	2,670	21.98	132.19	0.47	98.5
2024	909,849	47,797	2.56	48.75	1.16	90.5	12,556	2,071	19.14	116.03	0.46	65.5
Rolling 12 Months Ending in February												
2023	6,583,670	345,097	2.48	47.36	1.16	103.1	76,508	12,654	25.01	151.23	0.48	72.0
2024	6,065,144	317,625	2.55	48.72	1.15	106.7	70,452	11,572	19.64	119.60	0.45	71.4

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

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Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2014 - February 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
Year to Date												
2022	9,393	330	4.29	121.89	5.41	92.8	918,421	889,749	6.69	6.91	96.4	4.39
2023	8,758	312	4.66	130.79	5.65	139.0	880,248	852,237	6.94	7.17	88.2	4.76
2024	2,293	83	2.64	73.09	5.55	50.4	965,763	934,132	4.21	4.35	87.0	3.51
Rolling 12 Months Ending in February												
2023	63,972	2,265	4.40	124.23	5.56	104.7	6,355,639	6,162,679	7.53	7.77	95.3	5.07
2024	34,252	1,221	3.80	106.61	5.59	95.7	6,172,254	5,989,748	3.46	3.57	86.2	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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Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2014 - February 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
Year to Date												
2022	359,846	19,665	2.06	37.79	1.59	80.7	13,458	2,244	18.38	110.35	0.38	61.5
2023	303,829	16,374	2.31	42.92	1.68	110.4	6,631	1,087	19.27	117.96	0.40	106.8
2024	237,156	13,647	2.17	37.83	1.43	87.7	3,353	557	19.49	117.28	0.38	57.8
Rolling 12 Months Ending in February												
2023	2,086,455	113,574	2.23	40.97	1.71	101.7	34,238	5,671	23.36	141.20	0.39	78.3
2024	1,659,680	93,361	2.27	40.39	1.49	97.8	21,703	3,577	20.28	123.38	0.36	78.1

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

- 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 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2014 - February 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
Year to Date												
2022	0	0	--	--	--	0.0	816,458	788,499	6.03	6.25	94.9	4.78
2023	0	0	--	--	--	--	825,007	796,505	4.66	4.83	91.4	4.03
2024	0	0	--	--	--	--	915,678	883,197	3.71	3.85	90.9	3.39
Rolling 12 Months Ending in February												
2023	0	0	--	--	--	0.0	5,610,924	5,422,704	6.77	7.01	95.0	5.42
2024	0	0	--	--	--	--	5,740,569	5,548,944	2.68	2.77	89.6	2.63

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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.

- Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary.
- See Glossary for definitions.
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- See the EIA-923 section of the Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.
- See the Technical Notes for fuel conversion factors.
- Totals may not equal the sum of components because of independent rounding.

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

Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 2014 - February 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	--	--	--	--
Year to Date												
2022	93	4	3.95	90.28	3.02	3.7	0	0	--	--	--	0.0
2023	43	2	4.28	96.90	3.09	2.2	0	0	--	--	--	--
2024	128	6	4.28	96.74	3.06	5.9	0	0	--	--	--	--
Rolling 12 Months Ending in February												
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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Notes:
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COAL - includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal-derived synthesis gas. Prior to 2011, synthesis gas was included in the category of Other Gases.
PETROLEUM LIQUIDS - includes distillate fuel oil and residual fuel oil. Prior to 2013, petroleum liquids included distillate fuel oil, residual fuel oil, kerosene, jet fuel, waste oil, and, beginning in 2011, propane. Prior to 2011, propane was included in the category of Other Gases.

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Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commerical Sector, 2014 - February 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
Year to Date												
2022	0	0	--	--	--	0.0	1,470	1,414	3.30	3.43	6.6	3.34
2023	0	0	--	--	--	--	1,413	1,365	3.06	3.17	6.6	3.10
2024	0	0	--	--	--	--	1,380	1,327	3.29	3.42	6.0	3.38
Rolling 12 Months Ending in February												
2023	0	0	--	--	--	0.0	8,579	8,273	3.84	3.98	6.7	3.85
2024	0	0	--	--	--	--	8,097	7,823	3.08	3.19	6.3	3.10

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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.

- 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 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2014 - February 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
Year to Date												
2022	22,941	1,113	2.61	53.80	1.27	67.8	530	86	14.83	91.35	1.38	17.6
2023	21,976	1,071	3.39	69.48	1.14	69.1	668	110	17.49	106.19	1.44	17.8
2024	20,755	1,033	2.95	59.18	0.95	67.2	508	83	17.34	106.01	1.29	11.9
Rolling 12 Months Ending in February												
2023	137,743	6,679	2.90	59.84	1.25	70.5	2,614	428	18.84	115.16	1.29	10.8
2024	122,719	6,136	3.18	63.69	0.98	71.4	2,702	441	17.28	105.75	1.36	14.0

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NM = Not meaningful due to large relative standard error or excessive percentage change.
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Notes:
Beginning in January 2013, the threshold for reporting fuel receipts data was changed from 50 megawatts to 200 megawatts of nameplate capacity for plants primarily fueled by natural gas, petroleum coke, distillate fuel oil, and residual fuel oil. In addition, the requirement to report self-produced and minor fuels, i.e., blast furnace gas, other manufactured gases, kerosene, jet fuel, propane, and waste oils was eliminated. The threshold for coal plants remained at 50 megawatts. The following caveats for each fuel type should be noted:
COAL - includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal-derived synthesis gas. Prior to 2011, synthesis gas was included in the category of Other Gases.
PETROLEUM LIQUIDS - includes distillate fuel oil and residual fuel oil. Prior to 2013, petroleum liquids included distillate fuel oil, residual fuel oil, kerosene, jet fuel, waste oil, and, beginning in 2011, propane. Prior to 2011, propane was included in the category of Other Gases.

- 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 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2014 - February 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
Year to Date												
2022	0	0	--	--	--	0.0	142,239	138,135	5.17	5.32	59.5	4.85
2023	0	0	--	--	--	--	131,608	127,961	4.18	4.30	54.8	4.12
2024	0	0	--	--	--	--	136,178	132,207	3.14	3.23	53.8	3.16
Rolling 12 Months Ending in February												
2023	82	3	4.46	124.88	5.99	0.4	824,796	802,689	6.37	6.54	58.3	5.91
2024	0	0	--	--	--	--	792,004	770,053	2.80	2.88	54.9	2.89

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

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
New England	5	9	-49.0%	0	0	5	9	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	5	9	-49.0%	0	0	5	9	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	556	552	0.9%	0	0	556	540	0	0	0	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	556	552	0.9%	0	0	556	540	0	0	0	11
East North Central	5,287	7,012	-25.0%	3,224	4,131	1,908	2,765	0	0	155	116
Illinois	1,695	2,196	-23.0%	266	518	1,275	1,562	0	0	155	116
Indiana	1,343	1,820	-26.0%	1,254	1,662	89	158	0	0	0	0
Michigan	593	907	-35.0%	593	907	0	0	0	0	0	0
Ohio	622	1,265	-51.0%	78	220	545	1,045	0	0	0	0
Wisconsin	1,034	824	25.0%	1,034	824	0	0	0	0	0	0
West North Central	7,251	7,818	-7.2%	7,029	7,623	0	0	2	1	220	194
Iowa	927	1,050	-12.0%	769	898	0	0	0	0	157	152
Kansas	786	846	-7.1%	786	846	0	0	0	0	0	0
Minnesota	795	838	-5.2%	795	838	0	0	0	0	0	0
Missouri	1,955	2,237	-13.0%	1,953	2,236	0	0	2	1	0	0
Nebraska	1,041	986	5.6%	978	944	0	0	0	0	63	42
North Dakota	1,669	1,802	-7.4%	1,669	1,802	0	0	0	0	0	0
South Dakota	78	58	35.0%	78	58	0	0	0	0	0	0
South Atlantic	3,447	4,264	-19.0%	3,192	3,595	223	597	0	0	32	72
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	200	454	-56.0%	190	443	0	0	0	0	10	10
Georgia	705	714	-1.3%	705	698	0	0	0	0	0	16
Maryland	43	109	-61.0%	0	0	43	109	0	0	0	0
North Carolina	557	510	9.2%	557	495	0	0	0	0	0	16
South Carolina	654	660	-0.8%	647	641	0	12	0	0	7	7
Virginia	72	127	-43.0%	57	104	0	0	0	0	15	23
West Virginia	1,215	1,690	-28.0%	1,036	1,215	180	475	0	0	0	0
East South Central	3,556	3,564	-0.2%	3,345	3,400	146	113	0	0	65	52
Alabama	865	929	-6.9%	865	929	0	0	0	0	0	0
Kentucky	2,117	2,102	0.7%	2,117	2,102	0	0	0	0	0	0
Mississippi	241	235	2.2%	95	123	146	113	0	0	0	0
Tennessee	334	298	12.0%	268	246	0	0	0	0	65	52
West South Central	5,142	5,752	-11.0%	2,167	2,626	2,954	3,092	0	0	22	34
Arkansas	784	641	22.0%	631	445	147	190	0	0	6	6
Louisiana	283	393	-28.0%	141	203	141	190	0	0	0	0
Oklahoma	231	453	-49.0%	215	425	0	0	0	0	15	28
Texas	3,845	4,265	-9.9%	1,179	1,553	2,666	2,712	0	0	0	0
Mountain	4,849	4,553	6.5%	4,173	3,805	675	749	0	0	0	0
Arizona	587	648	-9.4%	587	648	0	0	0	0	0	0
Colorado	729	771	-5.5%	729	771	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	554	625	-11.0%	0	0	554	625	0	0	0	0
Nevada	124	74	67.0%	88	24	36	50	0	0	0	0
New Mexico	452	472	-4.1%	452	472	0	0	0	0	0	0
Utah	870	808	7.7%	829	772	41	36	0	0	0	0
Wyoming	1,533	1,156	33.0%	1,488	1,118	44	38	0	0	0	0
Pacific Contiguous	179	241	-26.0%	0	0	120	197	0	0	59	44
California	59	44	33.0%	0	0	0	0	0	0	59	44
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	120	197	-39.0%	0	0	120	197	0	0	0	0
Pacific Noncontiguous	42	18	136.0%	42	18	0	0	0	0	0	0
Alaska	42	18	136.0%	42	18	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	30,314	33,783	-10.0%	23,172	25,198	6,587	8,061	2	1	553	523

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NM = Not meaningful due to large relative standard error or excessive percentage change.
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Notes:
See Glossary for definitions. Values are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal-derived synthesis gas.

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

Table 4.6.B. Receipts of Coal Delivered for Electricity Generation by State, (Year-to-Date) February 2024 and 2023 (Thousand Tons)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD
New England	8	62	-88.0%	0	0	8	62	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	8	18	-58.0%	0	0	8	18	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	44	-100.0%	0	0	0	44	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	1,192	1,353	-12.0%	0	0	1,192	1,342	0	0	0	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	1,192	1,353	-12.0%	0	0	1,192	1,342	0	0	0	11
East North Central	10,964	14,977	-27.0%	6,767	9,078	3,930	5,644	0	0	267	255
Illinois	3,367	4,290	-22.0%	484	853	2,616	3,183	0	0	267	255
Indiana	2,763	3,834	-28.0%	2,585	3,546	177	288	0	0	0	0
Michigan	1,318	2,350	-44.0%	1,318	2,350	0	0	0	0	0	0
Ohio	1,372	2,583	-47.0%	235	409	1,137	2,174	0	0	0	0
Wisconsin	2,145	1,919	12.0%	2,145	1,919	0	0	0	0	0	0
West North Central	14,864	16,291	-8.8%	14,401	15,841	0	0	6	2	457	448
Iowa	1,849	2,091	-12.0%	1,517	1,762	0	0	0	0	332	329
Kansas	1,526	1,874	-19.0%	1,526	1,874	0	0	0	0	0	0
Minnesota	1,603	1,594	0.5%	1,603	1,594	0	0	0	0	0	0
Missouri	4,026	4,687	-14.0%	4,021	4,685	0	0	6	2	0	0
Nebraska	1,994	2,043	-2.4%	1,869	1,924	0	0	0	0	125	119
North Dakota	3,729	3,915	-4.7%	3,729	3,915	0	0	0	0	0	0
South Dakota	137	87	57.0%	137	87	0	0	0	0	0	0
South Atlantic	7,455	9,400	-21.0%	6,862	7,963	539	1,316	0	0	54	121
Delaware	0	0	-100.0%	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	536	1,197	-55.0%	526	1,187	0	0	0	0	10	10
Georgia	1,447	1,464	-1.2%	1,436	1,438	0	0	0	0	11	27
Maryland	77	256	-70.0%	0	0	77	256	0	0	0	0
North Carolina	1,167	1,161	0.5%	1,167	1,124	0	0	0	0	0	36
South Carolina	1,291	1,268	1.8%	1,284	1,239	0	22	0	0	7	7
Virginia	173	344	-50.0%	147	304	0	0	0	0	26	40
West Virginia	2,764	3,709	-25.0%	2,302	2,671	462	1,038	0	0	0	0
East South Central	6,935	7,946	-13.0%	6,517	7,464	277	390	0	0	141	93
Alabama	1,738	2,164	-20.0%	1,738	2,164	0	0	0	0	0	0
Kentucky	4,112	4,729	-13.0%	4,112	4,729	0	0	0	0	0	0
Mississippi	467	598	-22.0%	190	208	277	390	0	0	0	0
Tennessee	618	454	36.0%	477	362	0	0	0	0	141	93
West South Central	10,905	11,969	-8.9%	4,985	6,084	5,897	5,833	0	0	23	52
Arkansas	1,732	1,744	-0.7%	1,414	1,320	310	414	0	0	8	10
Louisiana	597	812	-26.0%	360	477	237	335	0	0	0	0
Oklahoma	524	1,003	-48.0%	508	961	0	0	0	0	15	42
Texas	8,052	8,410	-4.3%	2,703	3,326	5,350	5,085	0	0	0	0
Mountain	9,663	9,294	4.0%	8,191	7,902	1,472	1,392	0	0	0	0
Arizona	1,121	1,445	-22.0%	1,121	1,445	0	0	0	0	0	0
Colorado	1,441	1,635	-12.0%	1,441	1,635	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	1,195	1,143	4.5%	0	0	1,195	1,143	0	0	0	0
Nevada	295	187	58.0%	188	85	108	102	0	0	0	0
New Mexico	959	772	24.0%	959	772	0	0	0	0	0	0
Utah	1,565	1,657	-5.5%	1,488	1,594	77	63	0	0	0	0
Wyoming	3,087	2,455	26.0%	2,995	2,371	92	84	0	0	0	0
Pacific Contiguous	424	486	-13.0%	0	0	333	395	0	0	91	92
California	91	92	-0.9%	0	0	0	0	0	0	91	92
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	333	395	-16.0%	0	0	333	395	0	0	0	0
Pacific Noncontiguous	74	46	62.0%	74	46	0	0	0	0	0	0
Alaska	74	46	62.0%	74	46	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	62,483	71,824	-13.0%	47,797	54,377	13,647	16,374	6	2	1,033	1,071

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

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

Table 4.7.A. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, February 2024 and 2023
(Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
New England	8	305	-97.0%	0	0	8	305	0	0	0	0
Connecticut	1	0	--	0	0	1	0	0	0	0	0
Maine	7	8	-13.0%	0	0	7	8	0	0	0	0
Massachusetts	0	209	-100.0%	0	0	0	209	0	0	0	0
New Hampshire	0	63	-100.0%	0	0	0	63	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	9	203	-95.0%	0	85	5	112	0	0	5	6
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	0	189	-100.0%	0	85	0	104	0	0	0	0
Pennsylvania	9	14	-32.0%	0	0	5	8	0	0	5	6
East North Central	57	48	19.0%	24	34	26	9	0	0	7	5
Illinois	5	5	-2.9%	0	0	5	5	0	0	0	0
Indiana	6	20	-70.0%	6	20	0	0	0	0	0	0
Michigan	13	13	5.2%	13	12	0	0	0	0	1	1
Ohio	32	9	251.0%	4	1	21	4	0	0	7	4
Wisconsin	1	1	18.0%	1	1	0	0	0	0	0	0
West North Central	46	73	-38.0%	46	73	0	0	0	0	0	0
Iowa	10	10	-2.3%	10	10	0	0	0	0	0	0
Kansas	17	10	80.0%	17	10	0	0	0	0	0	0
Minnesota	1	2	-45.0%	1	2	0	0	0	0	0	0
Missouri	13	45	-71.0%	13	45	0	0	0	0	0	0
Nebraska	0	1	-59.0%	0	1	0	0	0	0	0	0
North Dakota	4	6	-28.0%	4	6	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	79	270	-71.0%	50	214	9	12	0	0	20	44
Delaware	0	1	-100.0%	0	0	0	1	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	26	121	-79.0%	19	116	0	0	0	0	7	5
Georgia	15	80	-81.0%	0	62	2	0	0	0	13	18
Maryland	7	4	67.0%	0	0	7	4	0	0	0	0
North Carolina	2	16	-89.0%	2	1	0	0	0	0	0	15
South Carolina	8	10	-21.0%	8	6	0	5	0	0	0	0
Virginia	6	20	-70.0%	5	13	0	2	0	0	0	5
West Virginia	15	17	-7.6%	15	17	0	0	0	0	0	0
East South Central	13	20	-33.0%	13	20	0	0	0	0	0	0
Alabama	0	9	-100.0%	0	9	0	0	0	0	0	0
Kentucky	11	8	36.0%	11	8	0	0	0	0	0	0
Mississippi	1	0	301.0%	1	0	0	0	0	0	0	0
Tennessee	2	3	-42.0%	2	3	0	0	0	0	0	0
West South Central	11	8	42.0%	9	4	2	4	0	0	0	0
Arkansas	1	1	31.0%	0	0	1	1	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	2	0	--	2	0	0	0	0	0	0	0
Texas	9	7	20.0%	7	4	1	3	0	0	0	0
Mountain	17	25	-33.0%	15	24	2	1	0	0	0	0
Arizona	5	3	46.0%	5	3	0	0	0	0	0	0
Colorado	4	2	89.0%	4	2	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	2	1	44.0%	0	0	2	1	0	0	0	0
Nevada	1	1	99.0%	1	1	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	12	-100.0%	0	12	0	0	0	0	0	0
Wyoming	5	5	-5.2%	5	5	0	0	0	0	0	0
Pacific Contiguous	3	0	--	2	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	3	0	--	2	0	0	0	0	0	0	0
Pacific Noncontiguous	799	680	18.0%	681	577	118	103	0	0	0	0
Alaska	1	3	-54.0%	1	3	0	0	0	0	0	0
Hawaii	797	677	18.0%	680	574	118	103	0	0	0	0
U.S. Total	1,042	1,631	-36.0%	840	1,031	170	545	0	0	32	55

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

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

Table 4.7.B. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, (Year-to-Date) February 2024 and 2023 (Thousand Barrels)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD
New England	106	467	-77.0%	0	0	106	467	0	0	0	0
Connecticut	30	0	--	0	0	30	0	0	0	0	0
Maine	15	168	-91.0%	0	0	15	168	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	134	368	-63.0%	48	176	77	181	0	0	10	11
New Jersey	1	0	--	0	0	1	0	0	0	0	0
New York	105	317	-67.0%	48	176	57	141	0	0	0	0
Pennsylvania	28	51	-45.0%	0	0	19	40	0	0	10	11
East North Central	130	142	-8.9%	65	114	54	20	0	0	10	8
Illinois	13	10	33.0%	0	2	13	8	0	0	0	0
Indiana	27	36	-23.0%	27	36	0	0	0	0	0	0
Michigan	27	29	-7.8%	24	26	0	0	0	0	3	3
Ohio	59	65	-9.9%	10	48	41	12	0	0	7	5
Wisconsin	4	2	53.0%	4	2	0	0	0	0	0	0
West North Central	200	173	15.0%	200	173	0	0	0	0	0	0
Iowa	24	19	23.0%	24	19	0	0	0	0	0	0
Kansas	59	25	131.0%	59	25	0	0	0	0	0	0
Minnesota	1	3	-64.0%	1	3	0	0	0	0	0	0
Missouri	84	103	-18.0%	84	103	0	0	0	0	0	0
Nebraska	6	1	319.0%	6	1	0	0	0	0	0	0
North Dakota	21	17	24.0%	21	17	0	0	0	0	0	0
South Dakota	6	5	25.0%	6	5	0	0	0	0	0	0
South Atlantic	300	982	-69.0%	178	720	60	172	0	0	62	89
Delaware	2	2	11.0%	0	0	2	2	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	39	321	-88.0%	32	259	0	55	0	0	8	7
Georgia	53	137	-61.0%	14	97	2	0	0	0	37	39
Maryland	42	31	38.0%	0	0	42	31	0	0	0	0
North Carolina	54	173	-69.0%	54	145	0	0	0	0	0	28
South Carolina	39	55	-30.0%	34	37	0	10	0	0	5	8
Virginia	42	178	-76.0%	15	121	13	50	0	0	13	7
West Virginia	30	86	-65.0%	30	61	0	25	0	0	0	0
East South Central	34	189	-82.0%	33	188	0	0	0	0	1	1
Alabama	8	33	-75.0%	8	33	0	0	0	0	0	0
Kentucky	16	56	-71.0%	16	56	0	0	0	0	0	0
Mississippi	3	1	115.0%	3	1	0	0	0	0	0	0
Tennessee	6	99	-94.0%	5	97	0	0	0	0	1	1
West South Central	50	21	144.0%	41	13	9	7	0	0	0	0
Arkansas	13	9	37.0%	7	5	5	4	0	0	0	0
Louisiana	3	0	--	3	0	0	0	0	0	0	0
Oklahoma	2	2	-11.0%	2	2	0	0	0	0	0	0
Texas	34	10	247.0%	30	6	4	3	0	0	0	0
Mountain	48	56	-16.0%	43	52	4	5	0	0	0	0
Arizona	7	8	-3.9%	7	8	0	0	0	0	0	0
Colorado	7	10	-35.0%	7	10	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	15	3	434.0%	12	0	4	3	0	0	0	0
Nevada	2	1	33.0%	2	1	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	10	22	-55.0%	9	20	1	2	0	0	0	0
Wyoming	7	13	-48.0%	7	13	0	0	0	0	0	0
Pacific Contiguous	15	33	-55.0%	13	32	2	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	15	33	-55.0%	13	32	2	1	0	0	0	0
Pacific Noncontiguous	1,695	1,436	18.0%	1,450	1,202	245	234	0	0	0	0
Alaska	3	4	-36.0%	3	4	0	0	0	0	0	0
Hawaii	1,692	1,431	18.0%	1,448	1,198	245	234	0	0	0	0
U.S. Total	2,711	3,867	-30.0%	2,071	2,670	557	1,087	0	0	83	110

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

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 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	50	19	156.0%	50	19	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	48	16	199.0%	48	16	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	2	3	-48.0%	2	3	0	0	0	0	0	0
West North Central	0	0	--	0	0	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	0	40	-100.0%	0	40	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	40	-100.0%	0	40	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	77	-100.0%	0	77	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	77	-100.0%	0	77	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	50	136	-63.0%	50	136	0	0	0	0	0	0

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

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

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

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 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	83	90	-8.2%	83	90	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	80	87	-7.8%	80	87	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	3	4	-17.0%	3	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	81	-100.0%	0	81	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	81	-100.0%	0	81	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	141	-100.0%	0	141	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	141	-100.0%	0	141	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	83	312	-73.0%	83	312	0	0	0	0	0	0

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

Notes:
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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, February 2024 and 2023
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
New England	24,767	23,315	6.2%	0	0	24,767	23,315	0	0	0	0
Connecticut	11,693	11,089	5.5%	0	0	11,693	11,089	0	0	0	0
Maine	1,282	577	122.0%	0	0	1,282	577	0	0	0	0
Massachusetts	8,444	8,439	0.1%	0	0	8,444	8,439	0	0	0	0
New Hampshire	1,447	1,133	28.0%	0	0	1,447	1,133	0	0	0	0
Rhode Island	1,901	2,077	-8.5%	0	0	1,901	2,077	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	123,752	114,319	8.3%	8,258	7,174	113,358	105,020	0	0	2,136	2,125
New Jersey	15,133	10,837	40.0%	0	0	15,133	10,837	0	0	0	0
New York	33,752	28,115	20.0%	8,258	7,174	24,887	20,389	0	0	608	551
Pennsylvania	74,866	75,367	-0.7%	0	0	73,338	73,794	0	0	1,528	1,574
East North Central	117,103	101,190	16.0%	38,296	33,264	76,987	66,158	501	501	1,319	1,267
Illinois	11,849	10,256	16.0%	1,941	1,073	9,904	9,178	0	0	4	4
Indiana	19,756	17,461	13.0%	9,376	7,551	10,380	9,910	0	0	0	0
Michigan	30,289	26,140	16.0%	10,251	7,761	19,119	17,404	501	501	419	475
Ohio	43,083	34,746	24.0%	4,954	4,695	37,584	29,557	0	0	545	494
Wisconsin	12,125	12,588	-3.7%	11,774	12,184	0	109	0	0	351	294
West North Central	13,789	8,859	56.0%	11,890	7,254	1,269	1,046	140	182	490	376
Iowa	3,882	3,472	12.0%	3,392	3,096	0	0	0	0	490	376
Kansas	2,634	1,545	70.0%	2,634	1,545	0	0	0	0	0	0
Minnesota	3,247	1,351	140.0%	3,131	1,199	114	150	1	1	0	0
Missouri	3,234	2,121	52.0%	1,940	1,044	1,154	896	139	181	0	0
Nebraska	83	75	10.0%	83	75	0	0	0	0	0	0
North Dakota	339	227	49.0%	339	227	0	0	0	0	0	0
South Dakota	371	67	451.0%	371	67	0	0	0	0	0	0
South Atlantic	206,992	193,302	7.1%	173,656	165,057	30,322	25,487	0	0	3,014	2,758
Delaware	1,608	553	191.0%	0	0	1,608	553	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	84,691	83,740	1.1%	81,108	80,253	3,351	3,335	0	0	232	152
Georgia	29,151	30,635	-4.8%	24,437	25,076	3,784	4,911	0	0	931	648
Maryland	5,058	7,149	-29.0%	886	2,008	4,171	5,141	0	0	0	0
North Carolina	33,498	31,762	5.5%	29,421	27,701	4,077	3,837	0	0	0	225
South Carolina	12,935	13,070	-1.0%	12,716	12,884	79	2	0	0	140	183
Virginia	38,252	25,050	53.0%	25,009	17,086	12,144	6,985	0	0	1,098	979
West Virginia	1,799	1,343	34.0%	80	49	1,107	723	0	0	613	571
East South Central	72,573	69,991	3.7%	57,692	48,124	12,655	19,871	0	0	2,226	1,996
Alabama	24,910	27,113	-8.1%	12,266	7,579	12,644	19,534	0	0	0	0
Kentucky	6,577	7,135	-7.8%	6,577	6,808	0	327	0	0	0	0
Mississippi	30,790	27,141	13.0%	30,779	27,131	11	10	0	0	0	0
Tennessee	10,296	8,602	20.0%	8,069	6,605	0	0	0	0	2,226	1,996
West South Central	198,746	211,588	-6.1%	57,866	68,109	90,354	93,088	0	0	50,526	50,391
Arkansas	4,719	11,460	-59.0%	3,566	10,198	894	1,026	0	0	259	235
Louisiana	37,035	40,461	-8.5%	19,291	22,282	1,892	1,872	0	0	15,853	16,307
Oklahoma	18,247	18,215	0.2%	12,456	11,092	5,291	6,566	0	0	500	557
Texas	138,744	141,452	-1.9%	22,553	24,537	82,278	83,624	0	0	33,914	33,292
Mountain	63,987	58,468	9.4%	55,111	48,979	8,839	9,489	0	0	38	0
Arizona	23,117	21,284	8.6%	17,857	14,713	5,260	6,572	0	0	0	0
Colorado	10,003	9,647	3.7%	8,682	8,665	1,321	982	0	0	0	0
Idaho	1,349	1,221	10.0%	1,349	1,221	0	0	0	0	0	0
Montana	423	636	-33.0%	423	636	0	0	0	0	0	0
Nevada	13,269	12,249	8.3%	13,269	12,249	0	0	0	0	0	0
New Mexico	7,467	6,469	15.0%	5,209	4,535	2,257	1,934	0	0	0	0
Utah	6,897	5,960	16.0%	6,859	5,960	0	0	0	0	38	0
Wyoming	1,462	1,001	46.0%	1,462	1,000	0	1	0	0	0	0
Pacific Contiguous	58,140	57,969	0.3%	23,008	20,435	33,498	35,901	0	0	1,634	1,633
California	39,677	42,502	-6.6%	13,253	13,097	24,790	27,771	0	0	1,634	1,633
Oregon	10,993	10,441	5.3%	4,293	3,868	6,701	6,573	0	0	0	0
Washington	7,470	5,026	49.0%	5,463	3,470	2,007	1,556	0	0	0	0
Pacific Noncontiguous	53	4	NM	53	4	0	0	0	0	0	0
Alaska	53	4	NM	53	4	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	879,903	839,005	4.9%	425,831	398,400	392,048	379,376	641	683	61,384	60,546

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NM = Not meaningful due to large relative standard error or excessive percentage change.
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Notes:
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Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

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

Table 4.9.B. Receipts of Natural Gas Delivered for Electricity Generation by State, (Year-to-Date) February 2024 and 2023
(Million Cubic Feet)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
				Electric Utilities		Independent Power Producers					
	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD
New England	56,980	50,231	13.0%	0	0	56,980	50,231	0	0	0	0
Connecticut	25,389	24,539	3.5%	0	0	25,389	24,539	0	0	0	0
Maine	3,367	1,711	97.0%	0	0	3,367	1,711	0	0	0	0
Massachusetts	20,221	16,469	23.0%	0	0	20,221	16,469	0	0	0	0
New Hampshire	4,029	2,749	47.0%	0	0	4,029	2,749	0	0	0	0
Rhode Island	3,974	4,763	-17.0%	0	0	3,974	4,763	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	257,612	243,564	5.8%	16,912	14,981	236,408	224,197	0	0	4,292	4,385
New Jersey	35,017	26,564	32.0%	0	0	35,017	26,564	0	0	0	0
New York	70,631	59,914	18.0%	16,912	14,981	52,446	43,773	0	0	1,273	1,159
Pennsylvania	151,964	157,086	-3.3%	0	0	148,945	153,860	0	0	3,019	3,226
East North Central	238,527	207,471	15.0%	76,229	67,877	158,355	135,851	1,035	1,026	2,908	2,717
Illinois	23,740	21,552	10.0%	3,423	2,752	20,304	18,793	0	0	13	7
Indiana	40,000	36,818	8.6%	18,521	15,932	21,480	20,886	0	0	0	0
Michigan	59,025	52,426	13.0%	18,404	14,290	38,686	36,072	1,035	1,026	900	1,038
Ohio	89,333	69,786	28.0%	10,335	9,284	77,705	59,438	0	0	1,294	1,064
Wisconsin	26,429	26,889	-1.7%	25,546	25,618	181	663	0	0	702	609
West North Central	30,297	21,505	41.0%	25,054	17,738	4,102	2,593	293	339	848	836
Iowa	7,757	8,751	-11.0%	6,910	7,915	0	0	0	0	848	836
Kansas	4,904	3,077	59.0%	4,904	3,077	0	0	0	0	0	0
Minnesota	7,614	3,842	98.0%	6,827	3,535	783	306	4	2	0	0
Missouri	8,180	5,102	60.0%	4,572	2,477	3,320	2,287	289	337	0	0
Nebraska	235	152	55.0%	235	152	0	0	0	0	0	0
North Dakota	679	333	104.0%	679	333	0	0	0	0	0	0
South Dakota	927	248	273.0%	927	248	0	0	0	0	0	0
South Atlantic	432,405	416,945	3.7%	363,488	355,708	62,614	55,016	0	0	6,303	6,221
Delaware	2,987	2,365	26.0%	0	0	2,987	2,365	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	185,147	177,286	4.4%	177,193	169,776	7,313	7,062	0	0	641	447
Georgia	60,576	63,512	-4.6%	50,734	51,885	7,979	9,914	0	0	1,863	1,714
Maryland	12,222	12,835	-4.8%	2,594	4,571	9,629	8,264	0	0	0	0
North Carolina	65,109	72,178	-9.8%	56,336	63,245	8,772	8,448	0	0	0	485
South Carolina	25,899	26,531	-2.4%	25,422	26,092	177	90	0	0	300	349
Virginia	76,453	58,968	30.0%	50,935	40,063	23,298	16,804	0	0	2,220	2,101
West Virginia	4,011	3,269	23.0%	274	75	2,460	2,069	0	0	1,278	1,125
East South Central	174,793	151,541	15.0%	133,681	106,775	36,341	40,335	0	0	4,771	4,431
Alabama	61,817	58,506	5.7%	26,666	18,625	35,151	39,881	0	0	0	0
Kentucky	18,110	14,599	24.0%	16,942	14,170	1,168	429	0	0	0	0
Mississippi	71,460	59,436	20.0%	71,439	59,411	22	25	0	0	0	0
Tennessee	23,405	19,000	23.0%	18,634	14,569	0	0	0	0	4,771	4,431
West South Central	482,137	433,412	11.0%	147,314	136,781	225,650	190,819	0	0	109,173	105,812
Arkansas	15,964	24,047	-34.0%	13,458	21,937	1,879	1,594	0	0	628	516
Louisiana	86,725	75,632	15.0%	47,767	37,320	4,609	3,638	0	0	34,349	34,673
Oklahoma	50,402	38,648	30.0%	32,953	24,458	16,348	13,000	0	0	1,101	1,190
Texas	329,045	295,085	12.0%	53,136	53,066	202,814	172,586	0	0	73,095	69,432
Mountain	139,838	128,044	9.2%	118,963	109,311	20,775	18,733	0	0	100	0
Arizona	50,311	44,693	13.0%	37,658	33,162	12,654	11,531	0	0	0	0
Colorado	22,585	22,715	-0.6%	19,291	19,902	3,294	2,813	0	0	0	0
Idaho	2,834	2,683	5.6%	2,834	2,683	0	0	0	0	0	0
Montana	1,072	1,620	-34.0%	1,072	1,620	0	0	0	0	0	0
Nevada	30,098	26,638	13.0%	30,098	26,638	0	0	0	0	0	0
New Mexico	15,280	14,849	2.9%	10,454	10,461	4,826	4,388	0	0	0	0
Utah	14,480	12,634	15.0%	14,380	12,634	0	0	0	0	100	0
Wyoming	3,177	2,212	44.0%	3,176	2,211	2	1	0	0	0	0
Pacific Contiguous	138,158	125,349	10.0%	52,374	43,060	81,971	78,730	0	0	3,813	3,559
California	100,037	92,364	8.3%	32,083	26,841	64,141	61,964	0	0	3,813	3,559
Oregon	22,931	21,494	6.7%	9,046	8,276	13,885	13,218	0	0	0	0
Washington	15,190	11,491	32.0%	11,245	7,943	3,945	3,548	0	0	0	0
Pacific Noncontiguous	118	7	NM	118	7	0	0	0	0	0	0
Alaska	118	7	NM	118	7	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,950,863	1,778,069	9.7%	934,132	852,237	883,197	796,505	1,327	1,365	132,207	127,961

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.

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

Table 4.10.A. Average Cost of Coal Delivered for Electricity Generation by State, February 2024 and 2023
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023
New England	W	W	W	--	--	W	W
Connecticut	--	--	--	--	--	--	--
Maine	W	W	W	--	--	W	W
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.05	2.68	-24.0%	--	--	2.05	2.68
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	2.05	2.68	-24.0%	--	--	2.05	2.68
East North Central	2.47	2.54	-2.8%	2.72	2.75	2.04	2.24
Illinois	1.83	W	W	2.29	2.12	1.73	W
Indiana	W	W	W	2.97	3.00	W	W
Michigan	2.88	2.58	12.0%	2.88	2.58	--	--
Ohio	W	2.63	W	3.03	2.91	W	2.57
Wisconsin	2.32	2.68	-13.0%	2.32	2.68	--	--
West North Central	1.76	1.86	-5.4%	1.76	1.86	--	--
Iowa	1.92	1.84	4.3%	1.92	1.84	--	--
Kansas	1.57	1.66	-5.4%	1.57	1.66	--	--
Minnesota	2.28	2.47	-7.7%	2.28	2.47	--	--
Missouri	1.81	2.00	-9.5%	1.81	2.00	--	--
Nebraska	1.23	1.40	-12.0%	1.23	1.40	--	--
North Dakota	1.76	1.65	6.7%	1.76	1.65	--	--
South Dakota	2.29	2.30	-0.4%	2.29	2.30	--	--
South Atlantic	3.56	3.59	-0.8%	3.66	3.77	2.31	2.57
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	3.42	3.24	5.6%	3.42	3.24	--	--
Georgia	4.11	4.52	-9.1%	4.11	4.52	--	--
Maryland	W	W	W	--	--	W	W
North Carolina	4.54	4.55	-0.2%	4.54	4.55	--	--
South Carolina	3.34	W	W	3.34	3.71	--	W
Virginia	4.86	5.41	-10.0%	4.86	5.41	--	--
West Virginia	W	W	W	3.11	3.21	W	W
East South Central	W	W	W	2.65	3.00	W	W
Alabama	3.00	3.24	-7.4%	3.00	3.24	--	--
Kentucky	2.42	2.58	-6.2%	2.42	2.58	--	--
Mississippi	W	W	W	3.02	4.46	W	W
Tennessee	3.41	5.16	-34.0%	3.41	5.16	--	--
West South Central	2.08	2.30	-9.6%	2.08	2.50	2.08	2.12
Arkansas	W	W	W	2.16	2.48	W	W
Louisiana	W	W	W	2.34	3.23	W	W
Oklahoma	2.03	2.41	-16.0%	2.03	2.41	--	--
Texas	W	W	W	2.01	2.42	W	W
Mountain	W	W	W	2.78	2.49	W	W
Arizona	3.11	3.10	0.3%	3.11	3.10	--	--
Colorado	2.20	1.83	20.0%	2.20	1.83	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	4.54	3.15	W	W
New Mexico	3.79	3.81	-0.5%	3.79	3.81	--	--
Utah	3.75	2.50	50.0%	3.75	2.50	--	--
Wyoming	W	W	W	1.83	2.00	W	W
Pacific Contiguous	W	W	W	--	--	W	W
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	4.59	4.90	-6.3%	4.59	4.90	--	--
Alaska	4.59	4.90	-6.3%	4.59	4.90	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.48	2.58	-3.9%	2.58	2.67	2.10	2.25

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

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 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	2.29	3.10	-26.0%	--	--	2.29	3.10
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	2.29	3.10	-26.0%	--	--	2.29	3.10
East North Central	2.51	2.53	-0.8%	2.71	2.76	2.16	2.16
Illinois	W	W	W	2.25	2.12	W	W
Indiana	W	W	W	2.97	3.02	W	W
Michigan	2.87	2.56	12.0%	2.87	2.56	--	--
Ohio	W	2.43	W	2.70	2.76	W	2.37
Wisconsin	2.32	2.73	-15.0%	2.32	2.73	--	--
West North Central	1.79	1.87	-4.3%	1.79	1.87	--	--
Iowa	1.95	1.85	5.4%	1.95	1.85	--	--
Kansas	1.65	1.71	-3.5%	1.65	1.71	--	--
Minnesota	2.30	2.48	-7.3%	2.30	2.48	--	--
Missouri	1.85	2.02	-8.4%	1.85	2.02	--	--
Nebraska	1.27	1.38	-8.0%	1.27	1.38	--	--
North Dakota	1.70	1.70	0.0%	1.70	1.70	--	--
South Dakota	2.35	2.31	1.7%	2.35	2.31	--	--
South Atlantic	3.50	3.55	-1.4%	3.60	3.73	2.26	2.52
Delaware	--	W	W	--	--	--	W
District of Columbia	--	--	--	--	--	--	--
Florida	3.45	3.51	-1.7%	3.45	3.51	--	--
Georgia	4.07	4.45	-8.5%	4.07	4.45	--	--
Maryland	W	4.25	W	--	--	W	4.25
North Carolina	4.64	4.47	3.8%	4.64	4.47	--	--
South Carolina	3.29	W	W	3.29	3.79	--	W
Virginia	4.75	5.11	-7.0%	4.75	5.11	--	--
West Virginia	W	W	W	2.99	3.03	W	W
East South Central	W	W	W	2.62	2.94	W	W
Alabama	2.97	3.18	-6.6%	2.97	3.18	--	--
Kentucky	2.43	2.64	-8.0%	2.43	2.64	--	--
Mississippi	W	W	W	3.10	5.10	W	W
Tennessee	3.11	4.64	-33.0%	3.11	4.64	--	--
West South Central	2.10	2.30	-8.7%	2.08	2.46	2.12	2.12
Arkansas	W	W	W	2.16	2.44	W	W
Louisiana	W	W	W	2.32	3.40	W	W
Oklahoma	2.16	2.38	-9.2%	2.16	2.38	--	--
Texas	W	W	W	1.99	2.34	W	W
Mountain	W	W	W	2.72	2.43	W	W
Arizona	3.09	3.08	0.3%	3.09	3.08	--	--
Colorado	2.16	1.85	17.0%	2.16	1.85	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	4.65	3.20	W	W
New Mexico	3.78	3.81	-0.8%	3.78	3.81	--	--
Utah	3.62	2.40	51.0%	3.62	2.40	--	--
Wyoming	W	W	W	1.83	1.95	W	W
Pacific Contiguous	W	W	W	--	--	W	W
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	4.62	4.78	-3.3%	4.62	4.78	--	--
Alaska	4.62	4.78	-3.3%	4.62	4.78	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.48	2.58	-3.9%	2.56	2.66	2.17	2.31

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

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

Table 4.11.A. Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, February 2024 and 2023
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023
New England	W	W	W	--	--	W	W
Connecticut	W	--	W	--	--	W	--
Maine	W	W	W	--	--	W	W
Massachusetts	--	W	W	--	--	--	W
New Hampshire	--	W	W	--	--	--	W
Rhode Island	--	W	W	--	--	--	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	20.60	14.43	43.0%	--	14.95	20.60	13.87
New Jersey	--	--	--	--	--	--	--
New York	--	W	W	--	14.95	--	W
Pennsylvania	20.60	W	W	--	--	20.60	W
East North Central	W	21.59	W	19.51	20.84	W	24.56
Illinois	W	W	W	--	--	W	W
Indiana	20.45	22.31	-8.3%	20.45	22.31	--	--
Michigan	19.48	17.88	8.9%	19.48	17.88	--	--
Ohio	W	W	W	18.52	24.03	W	W
Wisconsin	18.26	23.23	-21.0%	18.26	23.23	--	--
West North Central	19.55	21.64	-9.7%	19.55	21.64	--	--
Iowa	20.23	22.20	-8.9%	20.23	22.20	--	--
Kansas	19.42	21.23	-8.5%	19.42	21.23	--	--
Minnesota	19.23	21.56	-11.0%	19.23	21.56	--	--
Missouri	18.95	21.73	-13.0%	18.95	21.73	--	--
Nebraska	17.97	22.34	-20.0%	17.97	22.34	--	--
North Dakota	20.54	20.58	-0.2%	20.54	20.58	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	W	23.87	W	21.31	23.95	W	22.42
Delaware	--	W	W	--	--	--	W
District of Columbia	--	--	--	--	--	--	--
Florida	21.55	24.22	-11.0%	21.55	24.22	--	--
Georgia	--	24.03	--	--	24.03	--	--
Maryland	W	W	W	--	--	W	W
North Carolina	21.75	20.88	4.2%	21.75	20.88	--	--
South Carolina	21.12	W	W	21.12	22.67	--	W
Virginia	21.23	W	W	21.23	20.85	--	W
West Virginia	21.09	24.88	-15.0%	21.09	24.88	--	--
East South Central	20.95	22.74	-7.9%	20.95	22.74	--	--
Alabama	--	21.87	--	--	21.87	--	--
Kentucky	21.04	24.27	-13.0%	21.04	24.27	--	--
Mississippi	21.01	21.30	-1.4%	21.01	21.30	--	--
Tennessee	20.30	21.17	-4.1%	20.30	21.17	--	--
West South Central	W	W	W	20.43	22.23	W	W
Arkansas	W	W	W	17.43	--	W	W
Louisiana	--	--	--	--	--	--	--
Oklahoma	20.33	--	--	20.33	--	--	--
Texas	W	W	W	20.53	22.23	W	W
Mountain	W	W	W	22.66	27.68	W	W
Arizona	23.79	27.03	-12.0%	23.79	27.03	--	--
Colorado	22.05	29.11	-24.0%	22.05	29.11	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	25.54	30.76	-17.0%	25.54	30.76	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	29.38	--	--	29.38	--	--
Wyoming	21.55	23.17	-7.0%	21.55	23.17	--	--
Pacific Contiguous	W	--	W	23.97	--	W	--
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	W	--	W	23.97	--	W	--
Pacific Noncontiguous	W	W	W	19.24	22.36	W	W
Alaska	21.39	26.33	-19.0%	21.39	26.33	--	--
Hawaii	W	W	W	19.24	22.34	W	W
U.S. Total	19.60	20.24	-3.2%	19.49	22.06	20.12	16.69

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

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

Table 4.11.B. Average Cost of Petroleum Liquids Delivered for Electricity Generation by State, (Year-to-Date) February 2024 and 2023
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 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	17.94	16.62	7.9%	18.30	15.52	17.70	18.21
New Jersey	--	--	--	--	--	--	--
New York	W	W	W	18.30	15.52	W	W
Pennsylvania	W	W	W	--	--	W	W
East North Central	19.16	22.48	-15.0%	18.74	21.96	19.67	25.48
Illinois	W	W	W	--	23.78	W	W
Indiana	19.02	22.94	-17.0%	19.02	22.94	--	--
Michigan	18.38	17.26	6.5%	18.38	17.26	--	--
Ohio	W	W	W	19.29	23.77	W	W
Wisconsin	17.41	21.69	-20.0%	17.41	21.69	--	--
West North Central	18.56	22.65	-18.0%	18.56	22.65	--	--
Iowa	18.89	22.66	-17.0%	18.89	22.66	--	--
Kansas	18.47	21.92	-16.0%	18.47	21.92	--	--
Minnesota	19.23	22.16	-13.0%	19.23	22.16	--	--
Missouri	18.31	22.90	-20.0%	18.31	22.90	--	--
Nebraska	17.15	22.30	-23.0%	17.15	22.30	--	--
North Dakota	20.03	21.96	-8.8%	20.03	21.96	--	--
South Dakota	18.04	23.83	-24.0%	18.04	23.83	--	--
South Atlantic	19.99	23.14	-14.0%	20.24	22.41	19.23	26.71
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	21.25	W	W	21.25	21.42	--	W
Georgia	21.73	25.28	-14.0%	21.73	25.28	--	--
Maryland	18.98	23.71	-20.0%	--	--	18.98	23.71
North Carolina	19.77	25.03	-21.0%	19.77	25.03	--	--
South Carolina	20.32	W	W	20.32	25.26	--	W
Virginia	W	W	W	20.45	17.27	W	W
West Virginia	19.14	W	W	19.14	24.54	--	W
East South Central	19.84	23.84	-17.0%	19.84	23.84	--	--
Alabama	19.78	24.08	-18.0%	19.78	24.08	--	--
Kentucky	20.39	24.38	-16.0%	20.39	24.38	--	--
Mississippi	19.63	23.27	-16.0%	19.63	23.27	--	--
Tennessee	18.29	23.46	-22.0%	18.29	23.46	--	--
West South Central	W	22.87	W	16.87	22.83	W	22.95
Arkansas	W	W	W	18.08	22.80	W	W
Louisiana	19.11	--	--	19.11	--	--	--
Oklahoma	20.33	21.88	-7.1%	20.33	21.88	--	--
Texas	W	W	W	16.18	23.12	W	W
Mountain	W	W	W	21.64	27.39	W	W
Arizona	22.93	27.22	-16.0%	22.93	27.22	--	--
Colorado	22.32	28.40	-21.0%	22.32	28.40	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	20.32	--	W	W
Nevada	26.13	30.97	-16.0%	26.13	30.97	--	--
New Mexico	--	--	--	--	--	--	--
Utah	W	W	W	21.06	27.12	W	W
Wyoming	21.38	26.67	-20.0%	21.38	26.67	--	--
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	19.06	22.00	W	W
Alaska	21.22	25.51	-17.0%	21.22	25.51	--	--
Hawaii	W	W	W	19.06	21.99	W	W
U.S. Total	19.21	21.22	-9.5%	19.14	21.98	19.49	19.27

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

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

Table 4.12.A. Average Cost of Petroleum Coke Delivered for Electricity Generation by State, February 2024 and 2023
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	2.63	3.31	-21.0%	2.63	3.31	--	--
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	2.64	2.91	-9.3%	2.64	2.91	--	--
Ohio	--	--	--	--	--	--	--
Wisconsin	2.38	5.30	-55.0%	2.38	5.30	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	--	5.91	--	--	5.91	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	--	5.91	--	--	5.91	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	--	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	--	4.59	--	--	4.59	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	--	4.59	--	--	4.59	--	--
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	4.80	-45.0%	2.63	4.80	--	--

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Petroleum Coke includes petroleum coke-derived synthesis gas.
See the Technical Notes for fuel conversion factors.

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

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

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	2.64	3.00	-12.0%	2.64	3.00	--	--
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	2.65	2.91	-8.9%	2.65	2.91	--	--
Ohio	--	--	--	--	--	--	--
Wisconsin	2.36	5.31	-56.0%	2.36	5.31	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	--	5.98	--	--	5.98	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	--	5.98	--	--	5.98	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	--	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	--	4.92	--	--	4.92	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	--	4.92	--	--	4.92	--	--
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:
See Glossary for definitions. Values are preliminary.
See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Petroleum Coke includes petroleum coke-derived synthesis gas.
See the Technical Notes for fuel conversion factors.

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

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

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2024	February 2023	Percentage Change	February 2024	February 2023	February 2024	February 2023
New England	6.36	11.89	-47.0%	--	--	6.36	11.89
Connecticut	W	W	W	--	--	W	W
Maine	--	--	--	--	--	--	--
Massachusetts	10.30	18.53	-44.0%	--	--	10.30	18.53
New Hampshire	--	W	W	--	--	--	W
Rhode Island	W	W	W	--	--	W	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.18	3.95	-45.0%	3.27	5.62	2.08	3.81
New Jersey	1.89	4.85	-61.0%	--	--	1.89	4.85
New York	2.99	5.91	-49.0%	3.27	5.62	2.88	6.03
Pennsylvania	1.84	3.01	-39.0%	--	--	1.84	3.01
East North Central	2.19	3.09	-29.0%	2.84	4.17	1.87	2.55
Illinois	1.68	W	W	1.77	2.57	1.66	W
Indiana	2.26	3.45	-34.0%	2.77	4.29	1.80	2.82
Michigan	2.12	2.92	-27.0%	2.60	3.43	1.87	2.70
Ohio	2.01	2.46	-18.0%	2.57	2.96	1.94	2.38
Wisconsin	3.38	W	W	3.38	5.19	--	W
West North Central	W	W	W	2.56	4.68	W	W
Iowa	2.09	3.25	-36.0%	2.09	3.25	--	--
Kansas	2.21	5.05	-56.0%	2.21	5.05	--	--
Minnesota	W	W	W	2.93	8.52	W	W
Missouri	W	W	W	3.17	4.58	W	W
Nebraska	6.97	3.27	113.0%	6.97	3.27	--	--
North Dakota	2.63	4.23	-38.0%	2.63	4.23	--	--
South Dakota	2.22	2.61	-15.0%	2.22	2.61	--	--
South Atlantic	3.52	4.76	-26.0%	3.71	4.99	2.18	3.17
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.92	4.60	W	W
Georgia	W	W	W	2.46	3.25	W	W
Maryland	W	W	W	3.07	3.02	W	W
North Carolina	W	W	W	4.95	7.00	W	W
South Carolina	3.34	5.04	-34.0%	3.34	5.04	--	--
Virginia	2.70	5.28	-49.0%	2.98	6.25	1.84	2.69
West Virginia	W	W	W	6.38	8.52	W	W
East South Central	2.56	W	W	2.61	3.24	2.32	W
Alabama	W	2.92	W	2.74	3.51	W	2.67
Kentucky	3.74	W	W	3.74	4.15	--	W
Mississippi	W	W	W	2.27	2.86	W	W
Tennessee	2.78	3.53	-21.0%	2.78	3.53	--	--
West South Central	2.18	2.72	-20.0%	2.67	3.01	1.80	2.46
Arkansas	W	W	W	2.88	3.31	W	W
Louisiana	W	W	W	2.58	2.73	W	W
Oklahoma	W	W	W	3.32	3.54	W	W
Texas	1.94	2.58	-25.0%	2.34	2.90	1.81	2.47
Mountain	3.64	7.60	-52.0%	3.73	7.70	2.68	6.82
Arizona	W	W	W	3.18	7.07	W	W
Colorado	W	W	W	3.37	5.39	W	W
Idaho	2.88	8.75	-67.0%	2.88	8.75	--	--
Montana	1.34	2.25	-40.0%	1.34	2.25	--	--
Nevada	4.67	10.01	-53.0%	4.67	10.01	--	--
New Mexico	2.13	3.28	-35.0%	2.13	3.28	--	--
Utah	4.97	11.10	-55.0%	4.97	11.10	--	--
Wyoming	W	W	W	4.56	9.25	W	W
Pacific Contiguous	W	8.86	W	4.71	9.91	W	7.69
California	4.41	W	W	5.40	11.64	3.29	W
Oregon	W	W	W	3.33	7.14	W	W
Washington	W	W	W	4.29	7.47	W	W
Pacific Noncontiguous	8.18	8.06	1.5%	8.18	8.06	--	--
Alaska	8.18	8.06	1.5%	8.18	8.06	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.90	4.49	-35.0%	3.35	4.95	2.31	3.91

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

Notes:
See Glossary for definitions. Values are preliminary.
See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

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

Table 4.13.B. Average Cost of Natural Gas Delivered for Electricity Generation by State, (Year-to-Date) February 2024 and 2023
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	February 2024 YTD	February 2023 YTD	Percentage Change	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD
New England	7.99	12.86	-38.0%	--	--	7.99	12.86
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	11.55	21.00	-45.0%	--	--	11.55	21.00
New Hampshire	W	W	W	--	--	W	W
Rhode Island	W	W	W	--	--	W	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	3.57	4.21	-15.0%	4.62	7.92	3.48	3.91
New Jersey	4.35	3.97	9.6%	--	--	4.35	3.97
New York	4.34	6.17	-30.0%	4.62	7.92	4.23	5.45
Pennsylvania	2.95	3.43	-14.0%	--	--	2.95	3.43
East North Central	3.17	3.52	-9.9%	3.44	4.60	3.03	2.98
Illinois	W	W	W	2.08	3.11	W	W
Indiana	3.44	3.82	-9.9%	4.10	4.66	2.89	3.19
Michigan	3.00	3.33	-9.9%	3.05	3.88	2.98	3.13
Ohio	2.81	2.91	-3.4%	3.30	3.58	2.74	2.81
Wisconsin	W	W	W	3.50	5.50	W	W
West North Central	W	W	W	3.60	4.86	W	W
Iowa	2.75	3.73	-26.0%	2.75	3.73	--	--
Kansas	4.26	5.55	-23.0%	4.26	5.55	--	--
Minnesota	W	W	W	3.47	6.97	W	W
Missouri	W	W	W	4.52	4.98	W	W
Nebraska	7.94	3.70	115.0%	7.94	3.70	--	--
North Dakota	3.08	4.73	-35.0%	3.08	4.73	--	--
South Dakota	2.79	3.29	-15.0%	2.79	3.29	--	--
South Atlantic	4.53	5.50	-18.0%	4.61	5.77	3.93	3.52
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	4.26	5.42	W	W
Georgia	W	W	W	3.87	3.80	W	W
Maryland	W	W	W	5.11	3.50	W	W
North Carolina	W	W	W	6.55	8.52	W	W
South Carolina	4.75	5.43	-13.0%	4.75	5.43	--	--
Virginia	3.89	5.12	-24.0%	4.32	5.89	2.52	2.98
West Virginia	W	W	W	6.63	10.06	W	W
East South Central	3.70	W	W	3.71	3.88	3.65	W
Alabama	W	3.59	W	3.42	4.38	W	3.18
Kentucky	W	W	W	5.26	4.99	W	W
Mississippi	W	W	W	3.53	3.36	W	W
Tennessee	3.41	4.25	-20.0%	3.41	4.25	--	--
West South Central	3.41	3.14	8.6%	3.79	3.54	3.09	2.79
Arkansas	W	W	W	5.00	3.63	W	W
Louisiana	W	W	W	3.76	3.41	W	W
Oklahoma	W	W	W	4.20	4.18	W	W
Texas	3.12	2.93	6.5%	3.25	3.29	3.08	2.80
Mountain	4.26	14.43	-70.0%	4.23	14.92	4.55	9.90
Arizona	W	W	W	3.89	11.82	W	W
Colorado	W	W	W	4.05	6.20	W	W
Idaho	4.96	15.19	-67.0%	4.96	15.19	--	--
Montana	2.88	2.70	6.7%	2.88	2.70	--	--
Nevada	4.51	23.41	-81.0%	4.51	23.41	--	--
New Mexico	2.97	4.89	-39.0%	2.97	4.89	--	--
Utah	5.39	26.07	-79.0%	5.39	26.07	--	--
Wyoming	W	W	W	4.92	23.01	W	W
Pacific Contiguous	W	16.78	W	5.04	19.96	W	13.47
California	W	W	W	5.66	22.87	W	W
Oregon	W	W	W	3.61	15.43	W	W
Washington	W	W	W	4.68	16.49	W	W
Pacific Noncontiguous	8.24	7.37	12.0%	8.24	7.37	--	--
Alaska	8.24	7.37	12.0%	8.24	7.37	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	3.99	5.94	-33.0%	4.21	6.94	3.71	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:
See Glossary for definitions. Values are preliminary.
See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.

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

Table 4.14. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Total (All Sectors) by State, February 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	5	0.98	6.7	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	5	0.98	6.7	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	144	2.59	7.9	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	144	2.59	7.9	0	--	--	0	--	--
East North Central	2,745	3.13	11.8	2,542	0.25	4.8	0	--	--
Illinois	776	3.24	21.3	919	0.23	4.7	0	--	--
Indiana	1,267	2.88	9.0	75	0.27	5.0	0	--	--
Michigan	78	2.30	7.5	514	0.24	4.9	0	--	--
Ohio	622	3.62	8.7	0	--	--	0	--	--
Wisconsin	1	1.17	11.0	1,033	0.26	4.9	0	--	--
West North Central	49	3.01	8.4	5,533	0.26	5.0	1,664	0.77	9.8
Iowa	15	3.45	8.2	912	0.25	4.9	0	--	--
Kansas	0	--	--	786	0.29	5.3	0	--	--
Minnesota	0	--	--	795	0.31	5.6	0	--	--
Missouri	34	2.82	8.4	1,921	0.23	4.8	0	--	--
Nebraska	0	--	--	1,041	0.26	5.1	0	--	--
North Dakota	0	--	--	0	--	--	1,664	0.77	9.8
South Dakota	0	--	--	78	0.36	5.3	0	--	--
South Atlantic	3,115	2.43	9.8	332	0.39	5.6	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	200	2.67	8.5	0	--	--	0	--	--
Georgia	373	2.59	8.8	332	0.39	5.6	0	--	--
Maryland	43	2.03	13.1	0	--	--	0	--	--
North Carolina	557	1.63	10.3	0	--	--	0	--	--
South Carolina	654	2.03	9.2	0	--	--	0	--	--
Virginia	72	1.27	13.9	0	--	--	0	--	--
West Virginia	1,215	2.98	10.0	0	--	--	0	--	--
East South Central	2,102	2.81	9.8	1,308	0.28	5.1	146	0.40	14.6
Alabama	152	1.15	13.0	713	0.31	5.2	0	--	--
Kentucky	1,704	3.02	9.7	413	0.23	4.9	0	--	--
Mississippi	0	--	--	95	0.32	5.1	146	0.40	14.6
Tennessee	246	2.33	8.5	88	0.20	5.4	0	--	--
West South Central	6	1.15	12.2	4,156	0.30	5.2	979	1.07	17.2
Arkansas	6	1.15	12.2	778	0.23	4.9	0	--	--
Louisiana	0	--	--	283	0.27	5.0	0	--	--
Oklahoma	0	--	--	231	0.25	4.8	0	--	--
Texas	0	--	--	2,865	0.33	5.3	979	1.07	17.2
Mountain	933	0.63	11.2	3,875	0.49	8.9	0	--	--
Arizona	0	--	--	587	0.46	8.6	0	--	--
Colorado	50	0.44	10.4	679	0.34	7.1	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	554	0.71	8.8	0	--	--
Nevada	54	0.35	6.3	70	0.41	4.1	0	--	--
New Mexico	0	--	--	452	0.80	19.8	0	--	--
Utah	829	0.66	11.6	0	--	--	0	--	--
Wyoming	0	--	--	1,533	0.40	6.8	0	--	--
Pacific Contiguous	59	0.35	6.1	120	0.36	8.1	0	--	--
California	59	0.35	6.1	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	120	0.36	8.1	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	32	0.13	6.8
Alaska	0	--	--	0	--	--	32	0.13	6.8
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	9,158	2.54	10.4	17,867	0.32	5.9	2,820	0.85	12.5

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

Notes:
Bituminous coal includes anthracite coal and coal-derived synthesis gas.
See Glossary for definitions. Values for 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, February 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	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	1,416	2.80	9.0	1,808	0.25	4.9	0	--	--
Illinois	81	2.69	10.0	185	0.21	4.7	0	--	--
Indiana	1,179	2.81	9.0	75	0.27	5.0	0	--	--
Michigan	78	2.30	7.5	514	0.24	4.9	0	--	--
Ohio	78	3.26	8.9	0	--	--	0	--	--
Wisconsin	1	1.17	11.0	1,033	0.26	4.9	0	--	--
West North Central	32	2.81	8.4	5,328	0.26	5.1	1,664	0.77	9.8
Iowa	0	--	--	769	0.26	4.9	0	--	--
Kansas	0	--	--	786	0.29	5.3	0	--	--
Minnesota	0	--	--	795	0.31	5.6	0	--	--
Missouri	32	2.81	8.4	1,921	0.23	4.8	0	--	--
Nebraska	0	--	--	978	0.26	5.1	0	--	--
North Dakota	0	--	--	0	--	--	1,664	0.77	9.8
South Dakota	0	--	--	78	0.36	5.3	0	--	--
South Atlantic	2,860	2.37	9.8	332	0.39	5.6	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	190	2.79	8.6	0	--	--	0	--	--
Georgia	373	2.59	8.8	332	0.39	5.6	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	557	1.63	10.3	0	--	--	0	--	--
South Carolina	647	2.04	9.2	0	--	--	0	--	--
Virginia	57	1.20	16.0	0	--	--	0	--	--
West Virginia	1,036	2.86	10.1	0	--	--	0	--	--
East South Central	2,037	2.87	9.9	1,308	0.28	5.1	0	--	--
Alabama	152	1.15	13.0	713	0.31	5.2	0	--	--
Kentucky	1,704	3.02	9.7	413	0.23	4.9	0	--	--
Mississippi	0	--	--	95	0.32	5.1	0	--	--
Tennessee	181	2.86	8.9	88	0.20	5.4	0	--	--
West South Central	0	--	--	2,022	0.27	5.0	145	1.97	29.3
Arkansas	0	--	--	631	0.23	4.9	0	--	--
Louisiana	0	--	--	141	0.24	5.0	0	--	--
Oklahoma	0	--	--	215	0.25	4.9	0	--	--
Texas	0	--	--	1,034	0.31	5.0	145	1.97	29.3
Mountain	933	0.63	11.2	3,240	0.46	9.0	0	--	--
Arizona	0	--	--	587	0.46	8.6	0	--	--
Colorado	50	0.44	10.4	679	0.34	7.1	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	54	0.35	6.3	33	0.54	2.8	0	--	--
New Mexico	0	--	--	452	0.80	19.8	0	--	--
Utah	829	0.66	11.6	0	--	--	0	--	--
Wyoming	0	--	--	1,488	0.39	6.8	0	--	--
Pacific Contiguous	0	--	--	0	--	--	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	32	0.13	6.8
Alaska	0	--	--	0	--	--	32	0.13	6.8
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	7,279	2.39	9.8	14,038	0.31	6.0	1,840	0.83	10.9

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 4.16. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Independent Power Producers by State, February 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	5	0.98	6.7	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	5	0.98	6.7	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	144	2.59	7.9	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	144	2.59	7.9	0	--	--	0	--	--
East North Central	1,247	3.53	15.5	662	0.24	4.7	0	--	--
Illinois	613	3.30	25.3	662	0.24	4.7	0	--	--
Indiana	89	3.86	9.4	0	--	--	0	--	--
Michigan	0	--	--	0	--	--	0	--	--
Ohio	545	3.67	8.6	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	223	3.35	10.1	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	43	2.03	13.1	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	0	--	--	0	--	--	0	--	--
West Virginia	180	3.65	9.4	0	--	--	0	--	--
East South Central	0	--	--	0	--	--	146	0.40	14.6
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	146	0.40	14.6
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	0	--	--	2,119	0.33	5.4	834	0.95	15.6
Arkansas	0	--	--	147	0.22	4.6	0	--	--
Louisiana	0	--	--	141	0.30	5.0	0	--	--
Oklahoma	0	--	--	0	--	--	0	--	--
Texas	0	--	--	1,831	0.35	5.4	834	0.95	15.6
Mountain	0	--	--	635	0.67	8.5	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	554	0.71	8.8	0	--	--
Nevada	0	--	--	36	0.27	5.4	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	44	0.46	6.6	0	--	--
Pacific Contiguous	0	--	--	120	0.36	8.1	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	120	0.36	8.1	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	1,618	3.40	13.8	3,536	0.38	5.9	980	0.89	15.5

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

Notes:
Bituminous coal includes anthracite coal and coal-derived synthesis gas.
See Glossary for definitions. Values for 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, February 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	2	3.06	9.0	0	--	--	0	--	--
Iowa	0	--	--	0	--	--	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	2	3.06	9.0	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	2	3.06	9.0	0	--	--	0	--	--

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

Notes:
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, February 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	82	3.40	8.1	72	0.26	4.9	0	--	--
Illinois	82	3.40	8.1	72	0.26	4.9	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	0	--	--	0	--	--	0	--	--
Ohio	0	--	--	0	--	--	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	15	3.45	8.2	206	0.21	4.8	0	--	--
Iowa	15	3.45	8.2	143	0.21	4.8	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	0	--	--	0	--	--	0	--	--
Nebraska	0	--	--	63	0.20	5.0	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	32	1.02	7.1	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	10	0.50	7.0	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	7	0.70	7.4	0	--	--	0	--	--
Virginia	15	1.50	7.1	0	--	--	0	--	--
West Virginia	0	--	--	0	--	--	0	--	--
East South Central	65	0.98	7.6	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	65	0.98	7.6	0	--	--	0	--	--
West South Central	6	1.15	12.2	15	0.23	4.2	0	--	--
Arkansas	6	1.15	12.2	0	--	--	0	--	--
Louisiana	0	--	--	0	--	--	0	--	--
Oklahoma	0	--	--	15	0.23	4.2	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	59	0.35	6.1	0	--	--	0	--	--
California	59	0.35	6.1	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	260	1.70	7.5	293	0.22	4.8	0	--	--

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

Notes:
Bituminous coal includes anthracite coal and coal-derived synthesis gas.
See Glossary for definitions. Values for 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 - February 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
Year to Date					
2022	265,846	216,668	160,875	1,130	644,519
2023	244,602	211,927	155,019	1,118	612,666
2024	260,555	221,237	160,639	1,123	643,553
Rolling 12 Months Ending in February					
2023	1,487,989	1,386,132	1,014,608	6,587	3,895,316
2024	1,470,619	1,384,232	1,030,569	6,809	3,892,229

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 - February 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
Year to Date					
2022	36,410	24,813	11,639	121	72,983
2023	38,418	26,966	12,730	142	78,255
2024	41,021	28,199	12,784	145	82,148
Rolling 12 Months Ending in February					
2023	228,997	174,753	85,986	785	490,521
2024	235,066	176,464	82,620	867	495,017

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 - February 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
Year to Date					
2022	13.70	11.45	7.23	10.75	11.32
2023	15.71	12.72	8.21	12.67	12.77
2024	15.74	12.75	7.96	12.92	12.76
Rolling 12 Months Ending in February					
2023	15.39	12.61	8.47	11.92	12.59
2024	15.98	12.75	8.02	12.74	12.72

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, February 2024 and 2023 (Thousand Megawatthours)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
New England	4,154	3,975	4,037	3,848	1,136	1,229	44	40	9,371	9,092
Connecticut	1,054	1,000	909	857	199	215	16	13	2,179	2,085
Maine	474	492	361	346	176	217	0	0	1,011	1,055
Massachusetts	1,760	1,649	1,989	1,911	447	481	25	24	4,220	4,066
New Hampshire	417	403	338	332	157	158	0	0	912	892
Rhode Island	248	233	282	253	51	53	2	2	583	541
Vermont	202	199	157	149	105	105	0	0	464	453
Middle Atlantic	12,320	10,629	11,685	11,199	5,164	5,506	262	275	29,430	27,608
New Jersey	2,150	2,041	2,791	2,658	467	445	13	18	5,421	5,163
New York	4,197	4,060	5,704	5,704	1,236	1,158	208	218	11,344	11,140
Pennsylvania	5,972	4,528	3,190	2,837	3,461	3,902	40	38	12,664	11,305
East North Central	14,931	14,631	13,645	13,327	14,690	14,076	25	46	43,290	42,080
Illinois	3,348	3,404	3,480	3,546	3,277	3,132	20	42	10,125	10,124
Indiana	2,876	2,675	1,745	1,761	3,257	3,237	1	0	7,879	7,673
Michigan	2,578	2,634	2,823	2,781	2,258	2,106	1	0	7,660	7,522
Ohio	4,374	4,049	3,781	3,454	4,058	3,835	3	4	12,215	11,341
Wisconsin	1,755	1,870	1,816	1,785	1,840	1,765	0	0	5,412	5,420
West North Central	8,922	9,146	7,991	7,907	8,076	7,633	4	3	24,992	24,689
Iowa	1,241	1,311	953	992	2,160	2,097	0	0	4,354	4,400
Kansas	992	971	1,181	1,114	860	843	0	0	3,033	2,928
Minnesota	1,929	2,015	1,747	1,757	1,616	1,530	1	2	5,293	5,303
Missouri	2,948	2,881	2,206	2,149	1,017	955	2	2	6,174	5,987
Nebraska	852	926	720	759	964	962	0	0	2,536	2,647
North Dakota	469	524	769	733	1,198	1,004	0	0	2,436	2,261
South Dakota	491	517	416	403	259	242	0	0	1,166	1,162
South Atlantic	29,307	27,125	25,175	23,698	10,720	10,728	104	92	65,305	61,643
Delaware	463	419	312	309	148	146	0	0	922	874
District of Columbia	204	198	528	540	14	14	22	22	769	773
Florida	8,871	8,706	6,818	6,827	1,323	1,330	6	6	17,018	16,868
Georgia	4,776	4,266	3,612	3,398	2,612	2,506	14	13	11,014	10,184
Maryland	2,390	2,206	2,100	2,034	260	257	36	34	4,787	4,532
North Carolina	5,042	4,540	3,682	3,445	1,893	2,011	1	1	10,618	9,997
South Carolina	2,526	2,244	1,852	1,652	1,958	1,970	0	0	6,336	5,867
Virginia	4,026	3,611	5,707	4,945	1,365	1,388	25	16	11,123	9,960
West Virginia	1,007	934	563	548	1,149	1,107	0	0	2,719	2,588
East South Central	10,730	9,626	6,958	6,666	7,616	7,403	0	0	25,303	23,695
Alabama	2,589	2,329	1,670	1,601	2,486	2,399	0	0	6,744	6,329
Kentucky	2,314	2,122	1,470	1,369	2,129	2,047	0	0	5,913	5,538
Mississippi	1,593	1,433	1,072	1,022	1,251	1,224	0	0	3,916	3,679
Tennessee	4,234	3,742	2,746	2,674	1,750	1,733	0	0	8,730	8,149
West South Central	17,215	16,965	16,273	14,867	17,502	17,073	1	15	50,991	48,919
Arkansas	1,687	1,583	884	848	1,518	1,465	0	0	4,089	3,896
Louisiana	2,331	2,155	1,734	1,669	3,169	3,314	1	1	7,235	7,139
Oklahoma	1,739	1,786	1,650	1,542	1,735	1,720	0	0	5,124	5,049
Texas	11,458	11,441	12,005	10,807	11,079	10,573	0	14	34,543	32,834
Mountain	7,792	8,036	7,993	7,557	6,693	6,261	13	13	22,492	21,866
Arizona	2,195	2,323	2,384	2,140	1,094	1,010	1	1	5,674	5,475
Colorado	1,622	1,576	1,634	1,568	1,167	1,161	7	7	4,431	4,312
Idaho	872	950	557	550	560	539	0	0	1,989	2,039
Montana	612	572	450	437	399	355	0	0	1,461	1,363
Nevada	801	861	889	866	952	874	1	1	2,643	2,603
New Mexico	562	580	701	655	997	891	0	0	2,259	2,126
Utah	835	860	1,057	1,043	672	642	4	5	2,569	2,550
Wyoming	293	313	320	297	853	788	0	0	1,465	1,399
Pacific Contiguous	11,940	12,036	12,205	11,951	5,948	5,792	66	66	30,158	29,845
California	6,305	6,128	8,386	8,201	2,969	2,958	57	57	17,716	17,343
Oregon	1,827	2,000	1,370	1,340	1,270	1,215	2	2	4,468	4,556
Washington	3,807	3,909	2,449	2,410	1,710	1,619	7	7	7,973	7,945
Pacific Noncontiguous	406	374	434	416	371	354	0	0	1,210	1,144
Alaska	210	179	227	214	115	105	0	0	553	498
Hawaii	195	195	206	202	256	249	0	0	657	645
U.S. Total	117,716	112,543	106,394	101,434	77,915	76,054	518	550	302,543	290,582

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

Table 5.4.B. Sales of Electricity to Ultimate Customers by End-Use Sector, by State, Year-to-Date through February 2024 and 2023 (Thousand Megawatthours)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD
New England	8,757	8,375	8,274	7,893	2,335	2,449	89	84	19,456	18,801
Connecticut	2,328	2,167	1,875	1,751	398	404	33	29	4,634	4,352
Maine	949	976	707	705	351	433	0	0	2,008	2,113
Massachusetts	3,647	3,466	4,088	3,911	940	977	52	51	8,728	8,404
New Hampshire	865	850	689	675	320	307	0	0	1,875	1,831
Rhode Island	536	503	590	542	104	104	4	4	1,234	1,153
Vermont	432	413	324	310	221	225	0	0	977	947
Middle Atlantic	25,010	22,695	23,962	23,223	11,222	11,517	592	559	60,786	57,994
New Jersey	4,711	4,326	5,867	5,645	1,021	964	42	38	11,641	10,974
New York	8,635	8,544	11,586	11,670	2,496	2,356	456	442	23,173	23,012
Pennsylvania	11,664	9,825	6,508	5,908	7,706	8,196	94	79	25,972	24,008
East North Central	33,461	31,640	29,082	27,947	29,999	29,218	64	97	92,606	88,902
Illinois	7,710	7,313	7,574	7,529	6,861	6,632	53	88	22,198	21,563
Indiana	6,352	5,804	3,722	3,620	6,546	6,539	2	1	16,622	15,964
Michigan	5,695	5,590	6,026	5,849	4,594	4,422	1	1	16,316	15,862
Ohio	9,747	8,952	7,943	7,185	8,254	7,924	7	7	25,951	24,069
Wisconsin	3,958	3,981	3,817	3,764	3,744	3,700	0	0	11,519	11,445
West North Central	20,776	20,271	17,191	16,863	16,568	15,799	8	7	54,544	52,942
Iowa	2,832	2,883	2,063	2,093	4,421	4,354	0	0	9,316	9,330
Kansas	2,403	2,224	2,513	2,488	1,769	1,841	0	0	6,685	6,553
Minnesota	4,293	4,387	3,682	3,701	3,274	3,166	3	4	11,252	11,257
Missouri	6,992	6,434	4,813	4,648	2,086	2,006	5	4	13,896	13,091
Nebraska	2,099	2,107	1,613	1,579	2,077	1,902	0	0	5,788	5,588
North Dakota	1,088	1,135	1,656	1,514	2,417	2,050	0	0	5,161	4,699
South Dakota	1,069	1,102	852	840	524	481	0	0	2,445	2,423
South Atlantic	65,592	59,598	52,483	48,738	22,030	21,667	212	181	140,317	130,184
Delaware	949	898	649	637	299	292	0	0	1,898	1,827
District of Columbia	426	412	1,139	1,131	32	27	50	43	1,647	1,613
Florida	18,958	18,732	14,124	13,849	2,751	2,675	11	11	35,844	35,267
Georgia	10,991	9,570	7,655	7,108	5,278	5,116	26	26	23,950	21,820
Maryland	5,273	4,723	4,480	4,271	530	527	77	68	10,359	9,589
North Carolina	11,739	10,046	7,879	7,156	4,007	3,896	2	2	23,627	21,100
South Carolina	5,858	5,042	3,990	3,645	3,910	4,091	0	0	13,758	12,778
Virginia	9,090	8,103	11,328	9,789	2,789	2,733	46	31	23,253	20,656
West Virginia	2,309	2,073	1,238	1,151	2,433	2,310	0	0	5,980	5,534
East South Central	23,804	20,869	14,688	13,839	15,486	15,274	0	0	53,978	49,982
Alabama	6,085	5,173	3,580	3,349	5,099	4,930	0	0	14,764	13,451
Kentucky	5,312	4,636	3,155	2,908	4,308	4,233	0	0	12,774	11,776
Mississippi	3,508	3,114	2,338	2,117	2,534	2,562	0	0	8,381	7,793
Tennessee	8,899	7,947	5,616	5,466	3,544	3,549	0	0	18,059	16,962
West South Central	38,805	36,293	32,398	31,571	36,313	33,272	4	30	107,520	101,165
Arkansas	3,780	3,413	1,837	1,785	3,071	2,944	0	0	8,687	8,141
Louisiana	5,193	4,775	3,573	3,517	6,501	6,586	2	2	15,269	14,879
Oklahoma	4,055	3,918	3,440	3,217	3,568	3,568	0	0	11,064	10,704
Texas	25,777	24,187	23,548	23,052	23,173	20,174	2	28	72,500	67,441
Mountain	17,052	17,275	16,471	15,740	13,755	13,110	28	28	47,306	46,153
Arizona	4,931	5,051	4,823	4,451	2,243	2,147	2	2	12,000	11,650
Colorado	3,453	3,411	3,403	3,312	2,427	2,401	16	16	9,298	9,140
Idaho	1,964	2,009	1,178	1,145	1,129	1,132	0	0	4,272	4,286
Montana	1,288	1,247	902	881	813	729	0	0	3,003	2,857
Nevada	1,742	1,847	1,866	1,830	1,955	1,854	1	1	5,564	5,533
New Mexico	1,216	1,228	1,437	1,376	2,059	1,866	0	0	4,712	4,470
Utah	1,792	1,812	2,197	2,108	1,361	1,357	9	9	5,360	5,286
Wyoming	665	670	665	637	1,768	1,623	0	0	3,098	2,930
Pacific Contiguous	26,435	26,750	25,804	25,241	12,166	11,963	127	132	64,532	64,086
California	13,862	14,193	17,711	17,354	6,078	6,091	109	110	37,761	37,749
Oregon	4,093	4,199	2,893	2,827	2,644	2,511	4	4	9,634	9,541
Washington	8,480	8,357	5,199	5,060	3,443	3,361	14	18	17,137	16,796
Pacific Noncontiguous	862	836	884	872	765	750	0	0	2,511	2,457
Alaska	439	409	466	451	237	226	0	0	1,141	1,085
Hawaii	423	427	419	421	528	524	0	0	1,370	1,372
U.S. Total	260,555	244,602	221,237	211,927	160,639	155,019	1,123	1,118	643,553	612,666

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

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

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
New England	1,163	1,238	839	810	189	200	6	7	2,196	2,255
Connecticut	311	343	190	182	34	34	3	5	537	564
Maine	118	130	68	61	26	26	0	0	212	217
Massachusetts	515	531	425	416	80	91	2	2	1,023	1,040
New Hampshire	99	125	68	78	26	27	0	0	194	230
Rhode Island	77	68	59	47	10	10	0	0	146	126
Vermont	43	40	29	26	12	12	0	0	84	78
Middle Atlantic	2,413	2,136	1,799	1,633	423	449	37	41	4,673	4,258
New Jersey	380	347	384	355	56	53	1	2	822	758
New York	1,017	959	1,060	940	90	82	32	34	2,198	2,016
Pennsylvania	1,016	829	356	338	277	313	4	4	1,653	1,485
East North Central	2,398	2,378	1,665	1,596	1,182	1,183	2	3	5,247	5,161
Illinois	526	583	406	397	294	262	2	3	1,228	1,244
Indiana	406	431	219	248	266	309	0	0	890	988
Michigan	479	469	388	361	181	175	0	0	1,047	1,006
Ohio	690	592	423	367	287	291	0	0	1,400	1,250
Wisconsin	297	303	229	223	155	146	0	0	681	672
West North Central	1,100	1,106	800	796	593	569	0	0	2,493	2,471
Iowa	151	152	90	92	131	125	0	0	372	370
Kansas	136	143	130	132	68	74	0	0	335	349
Minnesota	277	271	204	202	144	137	0	0	626	610
Missouri	337	333	206	203	73	75	0	0	616	612
Nebraska	91	95	66	66	70	67	0	0	228	229
North Dakota	49	52	61	59	85	72	0	0	195	183
South Dakota	58	59	42	40	21	19	0	0	121	119
South Atlantic	4,326	3,979	2,828	2,706	812	833	10	9	7,976	7,527
Delaware	73	63	38	37	12	13	0	0	122	113
District of Columbia	35	31	93	93	2	2	2	2	132	128
Florida	1,355	1,381	830	840	123	138	1	1	2,309	2,360
Georgia	619	580	399	393	153	173	1	1	1,172	1,146
Maryland	421	358	271	289	27	26	4	4	723	677
North Carolina	761	594	418	341	160	144	0	0	1,339	1,078
South Carolina	359	326	197	185	130	130	0	0	686	641
Virginia	563	520	516	466	117	124	2	2	1,198	1,112
West Virginia	141	127	66	63	88	83	0	0	295	272
East South Central	1,394	1,290	866	860	496	534	0	0	2,755	2,684
Alabama	388	356	227	222	168	172	0	0	782	750
Kentucky	289	265	178	167	134	150	0	0	601	581
Mississippi	210	197	135	137	84	93	0	0	429	427
Tennessee	507	472	326	334	110	119	0	0	943	926
West South Central	2,299	2,348	1,455	1,427	1,031	1,139	0	1	4,785	4,915
Arkansas	201	190	93	91	96	102	0	0	390	383
Louisiana	262	277	186	205	182	241	0	0	630	723
Oklahoma	197	206	135	140	92	109	0	0	423	456
Texas	1,640	1,675	1,041	990	661	687	0	1	3,342	3,353
Mountain	1,062	1,049	846	789	500	467	1	1	2,410	2,307
Arizona	317	304	274	228	90	76	0	0	681	608
Colorado	235	226	180	179	102	92	1	1	518	497
Idaho	98	97	51	45	39	32	0	0	188	175
Montana	73	69	52	52	28	29	0	0	153	150
Nevada	134	147	99	101	76	83	0	0	309	331
New Mexico	79	81	74	72	56	55	0	0	209	209
Utah	92	93	86	85	44	45	1	1	222	223
Wyoming	34	32	31	27	65	54	0	0	129	114
Pacific Contiguous	2,663	2,333	2,401	2,133	745	667	10	8	5,820	5,140
California	1,969	1,671	1,980	1,750	536	471	9	7	4,494	3,899
Oregon	260	244	159	139	98	91	0	0	517	473
Washington	434	418	263	244	111	105	1	1	809	768
Pacific Noncontiguous	134	127	132	128	113	116	0	0	379	371
Alaska	48	41	48	43	20	21	0	0	116	105
Hawaii	86	86	84	85	93	95	0	0	263	266
U.S. Total	18,951	17,983	13,631	12,878	6,084	6,158	68	71	38,735	37,090

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 February 2024 and 2023 (Million Dollars)

	Residential		Commercial		Industrial		Transportation		All Sectors	
Census Division and State	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD
New England	2,420	2,549	1,719	1,641	392	401	12	13	4,544	4,604
Connecticut	660	697	388	373	67	65	6	8	1,121	1,143
Maine	241	246	135	118	52	52	0	0	429	417
Massachusetts	1,050	1,110	873	838	172	183	5	4	2,099	2,135
New Hampshire	211	267	140	155	54	53	0	0	406	474
Rhode Island	167	146	124	103	21	22	1	1	313	271
Vermont	91	83	59	54	26	26	0	0	176	163
Middle Atlantic	4,902	4,534	3,629	3,487	924	966	81	82	9,536	9,069
New Jersey	839	733	791	764	120	117	5	5	1,755	1,620
New York	2,057	2,017	2,122	2,016	185	172	67	67	4,431	4,273
Pennsylvania	2,006	1,784	715	707	619	677	10	9	3,350	3,177
East North Central	5,298	5,062	3,500	3,362	2,436	2,453	6	7	11,240	10,883
Illinois	1,178	1,211	871	869	614	570	6	7	2,668	2,657
Indiana	884	914	465	502	535	615	0	0	1,884	2,030
Michigan	1,050	1,001	826	768	379	363	0	0	2,255	2,132
Ohio	1,527	1,294	861	759	591	601	0	0	2,979	2,654
Wisconsin	660	642	477	463	317	305	0	0	1,454	1,410
West North Central	2,490	2,374	1,691	1,669	1,237	1,180	1	1	5,419	5,224
Iowa	339	330	198	195	278	265	0	0	815	790
Kansas	320	305	270	286	142	164	0	0	732	756
Minnesota	609	581	427	420	296	280	0	0	1,332	1,281
Missouri	775	715	436	422	153	153	0	0	1,363	1,291
Nebraska	214	205	146	136	154	135	0	0	514	477
North Dakota	110	113	130	126	172	145	0	0	413	383
South Dakota	123	125	84	83	43	38	0	0	249	246
South Atlantic	9,388	8,528	5,907	5,604	1,714	1,712	21	19	17,030	15,863
Delaware	148	131	78	76	25	27	0	0	251	234
District of Columbia	72	62	198	187	3	3	5	4	279	257
Florida	2,846	2,878	1,694	1,697	254	277	1	1	4,796	4,853
Georgia	1,385	1,263	882	823	367	362	2	2	2,636	2,450
Maryland	924	760	582	616	56	54	9	7	1,571	1,438
North Carolina	1,636	1,291	849	711	318	287	0	0	2,804	2,289
South Carolina	810	717	428	400	270	286	0	0	1,508	1,403
Virginia	1,246	1,150	1,056	966	240	250	4	4	2,546	2,370
West Virginia	318	276	139	127	181	165	0	0	638	569
East South Central	3,071	2,748	1,807	1,761	1,042	1,091	0	0	5,920	5,600
Alabama	891	765	488	455	354	345	0	0	1,733	1,564
Kentucky	656	583	373	355	290	309	0	0	1,320	1,248
Mississippi	454	419	276	279	173	195	0	0	903	893
Tennessee	1,069	981	670	671	225	242	0	0	1,964	1,895
West South Central	5,143	4,912	2,938	2,985	2,231	2,259	0	2	10,313	10,158
Arkansas	436	399	191	185	206	205	0	0	833	789
Louisiana	572	590	360	418	374	476	0	0	1,306	1,484
Oklahoma	455	440	306	292	211	227	0	0	972	959
Texas	3,681	3,483	2,082	2,090	1,441	1,352	0	2	7,203	6,927
Mountain	2,296	2,230	1,735	1,623	1,048	1,017	3	3	5,082	4,873
Arizona	703	649	554	470	178	172	0	0	1,435	1,291
Colorado	496	487	372	371	206	199	2	2	1,076	1,058
Idaho	216	209	105	94	78	68	0	0	399	372
Montana	154	141	104	98	80	68	0	0	338	307
Nevada	288	312	208	215	161	187	0	0	657	714
New Mexico	169	169	151	148	114	113	0	0	435	430
Utah	196	194	177	170	102	98	1	1	476	463
Wyoming	74	69	64	57	128	111	0	0	266	238
Pacific Contiguous	5,723	5,199	4,999	4,563	1,522	1,402	20	15	12,265	11,180
California	4,197	3,806	4,118	3,761	1,094	996	18	13	9,428	8,576
Oregon	574	509	329	290	202	189	0	0	1,106	988
Washington	952	884	552	512	225	217	2	2	1,731	1,616
Pacific Noncontiguous	289	281	273	271	238	248	0	0	800	800
Alaska	102	91	99	90	43	43	0	0	244	223
Hawaii	187	191	174	181	196	205	0	0	556	577
U.S. Total	41,021	38,418	28,199	26,966	12,784	12,730	145	142	82,148	78,255

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

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

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
New England	27.99	31.13	20.79	21.05	16.62	16.31	13.26	17.41	23.44	24.80
Connecticut	29.52	34.35	20.85	21.20	16.97	15.95	17.88	33.63	24.66	27.04
Maine	24.95	26.33	18.92	17.63	14.54	12.07	--	--	20.98	20.54
Massachusetts	29.25	32.23	21.37	21.76	17.99	18.81	9.54	8.65	24.23	25.58
New Hampshire	23.76	31.06	20.23	23.58	16.79	17.15	--	--	21.25	25.82
Rhode Island	30.97	29.10	20.90	18.75	19.82	19.81	20.43	15.84	25.08	23.30
Vermont	21.22	20.27	18.29	17.43	11.83	11.31	--	--	18.11	17.26
Middle Atlantic	19.59	20.09	15.40	14.58	8.19	8.15	14.31	14.98	15.88	15.42
New Jersey	17.69	16.99	13.75	13.36	12.04	12.00	10.83	13.24	15.16	14.68
New York	24.23	23.63	18.58	16.48	7.26	7.10	15.29	15.75	19.37	18.09
Pennsylvania	17.02	18.32	11.15	11.92	8.00	8.03	10.45	11.46	13.05	13.14
East North Central	16.06	16.25	12.20	11.98	8.05	8.41	9.96	6.90	12.12	12.26
Illinois	15.72	17.12	11.66	11.19	8.96	8.36	10.35	7.42	12.13	12.29
Indiana	14.11	16.12	12.52	14.10	8.16	9.54	11.18	--	11.30	12.88
Michigan	18.57	17.82	13.73	13.00	8.02	8.30	14.43	12.67	13.67	13.37
Ohio	15.77	14.61	11.20	10.63	7.07	7.60	6.15	--	11.46	11.02
Wisconsin	16.93	16.21	12.63	12.49	8.41	8.29	17.85	16.40	12.59	12.40
West North Central	12.33	12.09	10.01	10.06	7.35	7.46	9.60	9.86	9.98	10.01
Iowa	12.15	11.60	9.46	9.31	6.07	5.97	--	--	8.54	8.40
Kansas	13.74	14.71	11.03	11.88	7.95	8.76	--	--	11.04	11.92
Minnesota	14.36	13.45	11.68	11.49	8.94	8.96	12.08	11.88	11.82	11.51
Missouri	11.43	11.57	9.33	9.47	7.20	7.85	7.95	7.52	9.98	10.22
Nebraska	10.72	10.25	9.22	8.74	7.26	7.01	--	--	8.98	8.64
North Dakota	10.50	9.97	7.95	8.06	7.07	7.14	--	--	8.01	8.10
South Dakota	11.79	11.51	10.08	9.97	8.25	7.91	--	--	10.39	10.22
South Atlantic	14.76	14.67	11.23	11.42	7.57	7.77	10.13	10.24	12.21	12.21
Delaware	15.73	15.03	12.13	11.88	7.86	9.13	--	--	13.25	12.92
District of Columbia	17.10	15.58	17.58	17.29	10.87	11.02	10.10	10.47	17.11	16.55
Florida	15.28	15.86	12.17	12.30	9.32	10.40	11.74	10.34	13.57	13.99
Georgia	12.95	13.60	11.03	11.55	5.87	6.90	8.32	5.92	10.64	11.26
Maryland	17.60	16.21	12.91	14.22	10.36	10.29	11.48	11.23	15.10	14.94
North Carolina	15.10	13.08	11.36	9.89	8.43	7.15	10.41	7.81	12.62	10.79
South Carolina	14.21	14.51	10.65	11.20	6.66	6.60	--	--	10.83	10.92
Virginia	13.97	14.40	9.04	9.42	8.60	8.93	8.78	11.32	10.77	11.16
West Virginia	13.98	13.57	11.77	11.42	7.65	7.48	--	--	10.85	10.51
East South Central	12.99	13.40	12.44	12.90	6.51	7.21	--	--	10.89	11.33
Alabama	14.98	15.29	13.58	13.90	6.74	7.16	--	--	11.60	11.86
Kentucky	12.48	12.48	12.10	12.18	6.31	7.31	--	--	10.17	10.49
Mississippi	13.19	13.77	12.60	13.35	6.71	7.62	--	--	10.96	11.61
Tennessee	11.98	12.61	11.87	12.50	6.28	6.89	--	--	10.80	11.36
West South Central	13.36	13.84	8.94	9.60	5.89	6.67	9.41	7.55	9.38	10.05
Arkansas	11.89	11.99	10.52	10.77	6.33	6.97	13.12	13.89	9.53	9.84
Louisiana	11.25	12.84	10.72	12.30	5.74	7.26	12.38	13.22	8.71	10.13
Oklahoma	11.30	11.56	8.19	9.08	5.29	6.34	--	--	8.26	9.02
Texas	14.31	14.64	8.67	9.16	5.97	6.50	4.57	7.24	9.68	10.21
Mountain	13.63	13.06	10.59	10.45	7.47	7.46	10.66	11.32	10.71	10.55
Arizona	14.46	13.10	11.50	10.64	8.20	7.49	9.75	8.97	12.01	11.10
Colorado	14.47	14.34	11.02	11.40	8.75	7.89	9.82	10.77	11.68	11.53
Idaho	11.26	10.25	9.14	8.25	7.03	6.03	--	--	9.48	8.59
Montana	11.96	11.98	11.46	11.92	7.05	8.24	--	--	10.47	10.99
Nevada	16.69	17.04	11.15	11.69	7.96	9.51	12.12	13.21	11.68	12.73
New Mexico	14.14	14.03	10.50	11.01	5.65	6.21	--	--	9.27	9.82
Utah	10.99	10.78	8.11	8.14	6.57	7.01	12.06	12.41	8.65	8.75
Wyoming	11.47	10.30	9.67	9.21	7.58	6.90	--	--	8.82	8.15
Pacific Contiguous	22.30	19.38	19.67	17.85	12.53	11.51	15.58	11.79	19.30	17.22
California	31.23	27.26	23.61	21.34	18.07	15.93	16.18	11.95	25.37	22.48
Oregon	14.23	12.20	11.59	10.35	7.70	7.46	12.66	11.10	11.57	10.39
Washington	11.40	10.70	10.74	10.12	6.51	6.48	11.39	10.72	10.15	9.66
Pacific Noncontiguous	33.01	34.03	30.49	30.69	30.33	32.80	--	--	31.29	32.43
Alaska	22.88	22.86	21.13	19.91	17.01	20.19	--	--	20.94	21.03
Hawaii	43.93	44.24	40.82	42.16	36.34	38.14	--	--	40.00	41.24
U.S. Total	16.10	15.98	12.81	12.70	7.81	8.10	13.20	12.99	12.80	12.76

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Source: U.S. Energy Information Administration, Form EIA-861M (formerly EIA-826), Monthly Electric Power Industry Report.

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

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD	February 2024 YTD	February 2023 YTD
New England	27.64	30.43	20.78	20.79	16.79	16.37	13.30	15.29	23.35	24.49
Connecticut	28.36	32.15	20.70	21.30	16.75	16.20	18.12	27.90	24.19	26.28
Maine	25.42	25.23	19.13	16.80	14.90	12.07	--	--	21.36	19.72
Massachusetts	28.78	32.02	21.34	21.43	18.27	18.71	9.69	7.90	24.05	25.40
New Hampshire	24.43	31.41	20.27	22.92	17.01	17.09	--	--	21.63	25.88
Rhode Island	31.10	29.02	21.06	19.00	20.10	20.79	20.37	16.85	25.34	23.53
Vermont	21.09	20.11	18.32	17.38	11.67	11.72	--	--	18.04	17.23
Middle Atlantic	19.60	19.98	15.14	15.02	8.23	8.39	13.73	14.60	15.69	15.64
New Jersey	17.80	16.95	13.48	13.53	11.77	12.14	11.60	13.93	15.07	14.76
New York	23.82	23.61	18.32	17.27	7.40	7.30	14.65	15.24	19.12	18.57
Pennsylvania	17.20	18.15	10.99	11.97	8.03	8.26	10.24	11.35	12.90	13.23
East North Central	15.83	16.00	12.04	12.03	8.12	8.40	10.10	7.17	12.14	12.24
Illinois	15.27	16.56	11.50	11.55	8.95	8.60	10.39	7.58	12.02	12.32
Indiana	13.91	15.74	12.49	13.87	8.18	9.40	11.55	13.35	11.34	12.72
Michigan	18.44	17.91	13.71	13.13	8.24	8.21	14.13	12.36	13.82	13.44
Ohio	15.67	14.45	10.83	10.57	7.16	7.58	6.38	--	11.48	11.03
Wisconsin	16.67	16.12	12.51	12.31	8.46	8.23	19.03	15.98	12.62	12.32
West North Central	11.99	11.71	9.84	9.90	7.46	7.47	9.35	9.40	9.94	9.87
Iowa	11.98	11.43	9.61	9.31	6.28	6.10	--	--	8.75	8.47
Kansas	13.33	13.73	10.75	11.51	8.03	8.91	--	--	10.96	11.53
Minnesota	14.18	13.25	11.59	11.35	9.04	8.84	11.65	11.46	11.84	11.38
Missouri	11.08	11.11	9.05	9.09	7.31	7.65	7.81	7.19	9.81	9.86
Nebraska	10.20	9.75	9.06	8.61	7.40	7.11	--	--	8.88	8.53
North Dakota	10.15	9.94	7.87	8.34	7.12	7.05	--	--	8.00	8.16
South Dakota	11.46	11.37	9.89	9.89	8.15	7.91	--	--	10.20	10.17
South Atlantic	14.31	14.31	11.26	11.50	7.78	7.90	10.09	10.45	12.14	12.18
Delaware	15.63	14.62	12.00	11.99	8.20	9.16	--	--	13.22	12.83
District of Columbia	16.96	15.18	17.37	16.57	10.95	10.93	9.97	10.36	16.92	15.95
Florida	15.01	15.36	12.00	12.26	9.23	10.37	11.78	10.72	13.38	13.76
Georgia	12.60	13.19	11.53	11.58	6.95	7.08	7.33	7.62	11.01	11.23
Maryland	17.53	16.08	12.99	14.43	10.55	10.32	11.33	11.01	15.17	14.99
North Carolina	13.94	12.86	10.78	9.93	7.94	7.36	9.63	7.75	11.87	10.85
South Carolina	13.83	14.22	10.73	10.96	6.91	6.99	--	--	10.96	10.98
Virginia	13.71	14.20	9.33	9.87	8.59	9.16	9.36	11.74	10.95	11.47
West Virginia	13.79	13.31	11.21	11.07	7.44	7.16	--	--	10.67	10.27
East South Central	12.90	13.17	12.30	12.72	6.73	7.14	--	--	10.97	11.20
Alabama	14.65	14.78	13.62	13.59	6.94	6.99	--	--	11.74	11.63
Kentucky	12.36	12.58	11.83	12.21	6.73	7.31	--	--	10.33	10.60
Mississippi	12.93	13.45	11.80	13.19	6.82	7.62	--	--	10.77	11.46
Tennessee	12.02	12.35	11.93	12.28	6.35	6.82	--	--	10.88	11.17
West South Central	13.25	13.53	9.07	9.45	6.14	6.79	8.76	7.54	9.59	10.04
Arkansas	11.53	11.68	10.39	10.38	6.71	6.95	12.91	13.84	9.58	9.69
Louisiana	11.01	12.35	10.08	11.89	5.75	7.22	11.37	11.25	8.55	9.97
Oklahoma	11.22	11.23	8.89	9.07	5.92	6.37	--	--	8.78	8.96
Texas	14.28	14.40	8.84	9.07	6.22	6.70	6.35	7.30	9.94	10.27
Mountain	13.47	12.91	10.53	10.31	7.62	7.76	10.69	11.05	10.74	10.56
Arizona	14.26	12.84	11.48	10.56	7.93	8.02	9.85	8.92	11.96	11.08
Colorado	14.36	14.26	10.93	11.21	8.50	8.28	9.91	10.41	11.57	11.58
Idaho	11.00	10.42	8.87	8.22	6.90	6.03	--	--	9.33	8.67
Montana	11.97	11.30	11.54	11.12	9.87	9.38	--	--	11.27	10.75
Nevada	16.52	16.92	11.15	11.72	8.23	10.09	11.99	12.50	11.80	12.91
New Mexico	13.93	13.77	10.52	10.77	5.56	6.05	--	--	9.23	9.62
Utah	10.91	10.71	8.07	8.05	7.48	7.23	12.07	12.41	8.88	8.76
Wyoming	11.13	10.29	9.59	9.01	7.26	6.86	--	--	8.59	8.11
Pacific Contiguous	21.65	19.44	19.38	18.08	12.51	11.72	15.82	11.60	19.01	17.45
California	30.28	26.82	23.25	21.67	18.01	16.35	16.60	11.81	24.97	22.72
Oregon	14.02	12.11	11.38	10.27	7.65	7.51	12.41	11.13	11.48	10.36
Washington	11.23	10.58	10.62	10.12	6.54	6.47	10.94	10.42	10.10	9.62
Pacific Noncontiguous	33.54	33.66	30.83	31.09	31.17	33.08	--	--	31.86	32.57
Alaska	23.35	22.19	21.22	20.01	18.10	18.84	--	--	21.39	20.59
Hawaii	44.12	44.63	41.52	42.93	37.03	39.22	--	--	40.59	42.04
U.S. Total	15.74	15.71	12.75	12.72	7.96	8.21	12.92	12.67	12.76	12.77

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 - February 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
Rolling 12 Months Ending in February					
2023	140,055,009	19,279,008	1,056,986	84	160,391,087
2024	141,271,006	19,370,181	1,078,699	82	161,719,967

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: February 2024 and 2023

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
New England	6,638,813	6,551,788	962,093	937,105	21,365	21,803	6	6	7,622,277	7,510,702
Connecticut	1,542,927	1,539,160	157,304	156,985	3,901	3,984	3	3	1,704,135	1,700,132
Maine	737,069	714,013	107,948	108,714	1,959	2,101	0	0	846,976	824,828
Massachusetts	2,943,223	2,881,080	462,335	438,128	10,576	10,710	2	2	3,416,136	3,329,920
New Hampshire	649,733	646,523	111,763	111,139	3,121	3,119	0	0	764,617	760,781
Rhode Island	446,094	453,064	60,392	60,960	1,560	1,645	1	1	508,047	515,670
Vermont	319,767	317,948	62,351	61,179	248	244	0	0	382,366	379,371
Middle Atlantic	18,159,593	16,535,130	2,558,503	2,438,137	33,492	34,284	20	19	20,751,608	19,007,570
New Jersey	3,720,034	3,691,687	543,419	536,085	11,435	11,350	7	6	4,274,895	4,239,128
New York	7,395,650	7,342,466	1,171,187	1,171,864	6,981	7,219	8	8	8,573,826	8,521,557
Pennsylvania	7,043,909	5,500,977	843,897	730,188	15,076	15,715	5	5	7,902,887	6,246,885
East North Central	20,813,242	20,673,493	2,563,590	2,552,398	54,628	55,061	10	9	23,431,470	23,280,961
Illinois	5,360,957	5,351,074	631,530	634,433	5,726	5,655	3	3	5,998,216	5,991,165
Indiana	2,984,274	2,951,250	374,910	373,297	19,034	19,075	1	0	3,378,219	3,343,622
Michigan	4,524,726	4,500,915	561,652	557,068	5,535	5,538	2	2	5,091,915	5,063,523
Ohio	5,105,679	5,072,070	625,635	623,788	18,860	19,330	2	2	5,750,176	5,715,190
Wisconsin	2,837,606	2,798,184	369,863	363,812	5,473	5,463	2	2	3,212,944	3,167,461
West North Central	9,997,987	9,878,101	1,507,732	1,518,118	125,852	125,099	3	3	11,631,574	11,521,321
Iowa	1,460,517	1,445,603	250,822	248,795	8,299	8,328	0	0	1,719,638	1,702,726
Kansas	1,335,354	1,317,789	248,552	247,620	23,899	23,877	0	0	1,607,805	1,589,286
Minnesota	2,585,677	2,551,328	306,993	308,525	9,074	8,993	1	1	2,901,745	2,868,847
Missouri	2,878,508	2,849,988	383,380	398,515	9,803	9,854	2	2	3,271,693	3,258,359
Nebraska	907,504	895,009	162,480	161,436	61,176	60,673	0	0	1,131,160	1,117,118
North Dakota	396,879	393,524	77,464	76,890	9,388	9,211	0	0	483,731	479,625
South Dakota	433,548	424,860	78,041	76,337	4,213	4,163	0	0	515,802	505,360
South Atlantic	30,459,703	29,905,242	4,008,696	3,981,541	87,689	86,260	13	13	34,556,101	33,973,056
Delaware	467,145	461,044	59,896	59,184	819	821	0	0	527,860	521,049
District of Columbia	316,812	311,320	27,445	27,290	1	1	3	3	344,261	338,614
Florida	10,312,653	10,126,973	1,290,143	1,282,213	26,721	25,419	2	2	11,629,519	11,434,607
Georgia	4,783,383	4,688,578	612,588	606,745	23,503	23,440	1	1	5,419,475	5,318,764
Maryland	2,441,731	2,423,960	261,571	260,765	9,081	9,039	5	5	2,712,388	2,693,769
North Carolina	5,038,239	4,917,926	744,512	740,613	9,082	9,221	1	1	5,791,834	5,667,761
South Carolina	2,567,066	2,491,597	409,114	406,887	3,546	3,548	0	0	2,979,726	2,902,032
Virginia	3,665,479	3,619,002	451,847	447,768	3,904	3,664	1	1	4,121,231	4,070,435
West Virginia	867,195	864,842	151,580	150,076	11,032	11,107	0	0	1,029,807	1,026,025
East South Central	8,842,716	8,709,393	1,473,929	1,465,564	24,830	24,705	0	0	10,341,475	10,199,662
Alabama	2,388,235	2,341,210	384,876	380,041	7,181	7,190	0	0	2,780,292	2,728,441
Kentucky	2,031,118	2,010,506	324,430	321,745	5,744	5,837	0	0	2,361,292	2,338,088
Mississippi	1,366,331	1,348,651	244,780	242,861	10,898	10,656	0	0	1,622,009	1,602,168
Tennessee	3,057,032	3,009,026	519,843	520,917	1,007	1,022	0	0	3,577,882	3,530,965
West South Central	17,784,594	17,507,890	2,399,770	2,341,705	425,375	411,107	5	6	20,609,744	20,260,708
Arkansas	1,475,810	1,454,734	208,956	205,643	34,725	34,903	2	2	1,719,493	1,695,282
Louisiana	2,170,568	2,148,451	300,698	298,854	18,175	18,732	1	1	2,489,442	2,466,038
Oklahoma	1,885,003	1,859,123	303,893	301,094	18,583	18,892	0	0	2,207,479	2,179,109
Texas	12,253,213	12,045,582	1,586,223	1,536,114	353,892	338,580	2	3	14,193,330	13,920,279
Mountain	10,690,494	10,509,589	1,502,053	1,482,445	98,111	97,637	5	5	12,290,663	12,089,676
Arizona	3,080,736	3,024,681	344,364	340,039	7,085	7,169	2	2	3,432,187	3,371,891
Colorado	2,481,044	2,444,664	396,156	389,796	14,855	14,846	1	1	2,892,056	2,849,307
Idaho	855,101	834,391	122,749	120,420	29,244	28,986	0	0	1,007,094	983,797
Montana	555,343	545,985	117,856	116,018	10,203	10,071	0	0	683,402	672,074
Nevada	1,297,631	1,276,045	174,291	172,914	4,566	4,591	1	1	1,476,489	1,453,551
New Mexico	916,281	908,586	147,582	146,953	9,439	9,378	0	0	1,073,302	1,064,917
Utah	1,218,331	1,191,672	140,188	137,663	10,897	10,881	1	1	1,369,417	1,340,217
Wyoming	286,027	283,565	58,867	58,642	11,822	11,715	0	0	356,716	353,922
Pacific Contiguous	19,026,626	18,604,615	2,396,741	2,358,460	192,409	193,900	19	19	21,615,795	21,156,994
California	13,830,560	13,478,491	1,739,905	1,705,431	141,130	142,321	12	12	15,711,607	15,326,255
Oregon	1,864,434	1,841,838	250,635	249,097	25,134	25,112	2	2	2,140,205	2,116,049
Washington	3,331,632	3,284,286	406,201	403,932	26,145	26,467	5	5	3,763,983	3,714,690
Pacific Noncontiguous	744,607	742,296	117,196	117,371	1,990	1,969	0	0	863,793	861,636
Alaska	298,351	296,354	57,365	57,188	1,173	1,155	0	0	356,889	354,697
Hawaii	446,256	445,942	59,831	60,183	817	814	0	0	506,904	506,939
U.S. Total	143,158,375	139,617,537	19,490,303	19,192,844	1,065,741	1,051,825	81	80	163,714,500	159,862,286

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors.
Displayed values of zero may represent small values that round to zero. The Excel version of this table provides additional precision which may be accessed by selecting individual cells.
Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.
NM = Not Meaningful due to large relative standard error or excessive percentage change.
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Totals may not equal sum of components because of independent rounding.
Source: U.S. Energy Information Administration, Form EIA-861M (formerly EIA-826), Monthly Electric Power Industry Report.

Chapter 6

Capacity

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

		As of End of January 2024	Activity During February 2024 as Reported to EIA		As of End of February 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		Planned Total Net Summer	
Technology	Capacity Source	Total In-Service Capacity	Actual Capacity Additions	Actual Capacity Reductions	Total In-Service Capacity	Current Month	Year to Date	Past 12 Months	Next Month	Next 12 Months	Next Month	Next 12 Months	Next Month	Next 12 Months	At End of Next Month	At End of Next 12 Months
..... *Onshore Wind (Summer Capacity)*	*Utility Scale Facilities*	*148,384.3*	*403.0*	*18.5*	*148,768.8*	*384.5*	*1,170.3*	*6,157.9*	*1,066.5*	*5,389.6*	*0.0*	*2.7*	*1,066.5*	*5,386.9*	*149,835.3*	*154,155.7*
..... *Offshore Wind (Summer Capacity)*	*Utility Scale Facilities*	*41.3*	*0.0*	*0.0*	*41.3*	*0.0*	*0.0*	*0.0*	*130.0*	*1,645.0*	*0.0*	*0.0*	*130.0*	*1,645.0*	*171.3*	*1,686.3*
..... Wind (Summer Capacity)	Utility Scale Facilities	148,425.6	403.0	18.5	148,810.1	384.5	1,170.3	6,157.9	1,196.5	7,034.6	0.0	2.7	1,196.5	7,031.9	150,006.6	155,842.0
..... *Solar Photovoltaic*	*Utility Scale Facilities*	*93,240.6*	*751.8*	*1.3*	*93,991.1*	*750.5*	*4,162.2*	*20,735.9*	*5,149.0*	*35,659.4*	*0.0*	*0.0*	*5,149.0*	*35,659.4*	*99,140.1*	*129,650.5*
..... *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*	*0.0*	*0.0*	*0.0*	*1,074.4*	*1,074.4*
..... *Solar Thermal with Energy Storage*	*Utility Scale Facilities*	*405.6*	*0.0*	*0.0*	*405.6*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*405.6*	*405.6*
..... Solar Subtotal	Utility Scale Facilities	94,720.6	751.8	1.3	95,471.1	750.5	4,162.2	20,735.9	5,149.0	35,659.4	0.0	0.0	5,149.0	35,659.4	100,620.1	131,130.5
..... Conventional Hydroelectric	Utility Scale Facilities	79,981.3	3.4	2.6	79,982.1	0.8	-107.6	-109.6	0.5	50.6	0.0	1.9	0.5	48.7	79,982.6	80,030.8
..... *Wood/Wood Waste Biomass*	*Utility Scale Facilities*	*7,603.8*	*0.0*	*35.8*	*7,568.0*	*-35.8*	*-147.6*	*-263.3*	*0.0*	*42.9*	*0.0*	*0.0*	*0.0*	*42.9*	*7,568.0*	*7,610.9*
..... *Landfill Gas*	*Utility Scale Facilities*	*1,630.1*	*0.0*	*15.6*	*1,614.5*	*-15.6*	*-34.6*	*-39.9*	*0.0*	*7.0*	*0.0*	*18.8*	*0.0*	*-11.8*	*1,614.5*	*1,602.7*
..... *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*	*28.0*	*0.0*	*-28.0*	*2,050.6*	*2,022.6*
..... *Other Waste Biomass*	*Utility Scale Facilities*	*589.2*	*0.0*	*0.0*	*589.2*	*0.0*	*-3.7*	*-1.5*	*0.0*	*27.0*	*0.0*	*0.0*	*0.0*	*27.0*	*589.2*	*616.2*
..... Biomass Sources Subtotal	Utility Scale Facilities	11,873.7	0.0	51.4	11,822.3	-51.4	-185.9	-304.7	0.0	76.9	0.0	46.8	0.0	30.1	11,822.3	11,852.4
..... 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***	***337,744.5***	***1,158.2***	***73.8***	***338,828.9***	***1,084.4***	***5,108.0***	***26,573.5***	***6,346.0***	***42,821.5***	***0.0***	***51.4***	***6,346.0***	***42,770.1***	***345,174.9***	***381,599.0***
..... *Natural Gas Fired Combined Cycle*	*Utility Scale Facilities*	*295,342.4*	*40.4*	*1,788.0*	*293,594.8*	*-1,747.6*	*-2,147.2*	*3,059.2*	*10.0*	*1,169.8*	*0.0*	*1,797.6*	*10.0*	*-627.8*	*293,604.8*	*292,967.0*
..... *Natural Gas Fired Combustion Turbine*	*Utility Scale Facilities*	*132,062.5*	*64.8*	*33.0*	*132,094.3*	*31.8*	*443.0*	*946.4*	*0.0*	*1,994.3*	*296.0*	*1,375.8*	*-296.0*	*618.5*	*131,798.3*	*132,712.8*
..... *Natural Gas Steam Turbine*	*Utility Scale Facilities*	*75,710.6*	*65.8*	*19.4*	*75,757.0*	*46.4*	*1,015.6*	*-2,037.4*	*0.0*	*12.6*	*409.5*	*526.4*	*-409.5*	*-513.8*	*75,347.5*	*75,243.2*
..... *Natural Gas Internal Combustion Engine*	*Utility Scale Facilities*	*5,819.9*	*32.4*	*6.2*	*5,846.1*	*26.2*	*134.9*	*260.7*	*2.1*	*393.5*	*0.0*	*7.7*	*2.1*	*385.8*	*5,848.2*	*6,231.9*
..... *Natural Gas with Compressed Air Storage*	*Utility Scale Facilities*	*110.0*	*0.0*	*0.0*	*110.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*110.0*	*110.0*
..... *Other Natural Gas*	*Utility Scale Facilities*	*363.8*	*0.0*	*2.4*	*361.4*	*-2.4*	*11.6*	*13.6*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*0.0*	*361.4*	*361.4*
..... Natural Gas Subtotal	Utility Scale Facilities	509,409.2	203.4	1,849.0	507,763.6	-1,645.6	-542.1	2,242.5	12.1	3,570.2	705.5	3,707.5	-693.4	-137.3	507,070.2	507,626.3
..... *Conventional Steam Coal*	*Utility Scale Facilities*	*177,709.4*	*28.9*	*390.0*	*177,348.3*	*-361.1*	*-2,867.2*	*-8,938.0*	*0.0*	*13.0*	*785.1*	*2,196.6*	*-785.1*	*-2,183.6*	*176,563.2*	*175,164.7*
..... *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	178,304.4	28.9	390.0	177,943.3	-361.1	-2,867.2	-8,938.0	0.0	13.0	785.1	2,196.6	-785.1	-2,183.6	177,158.2	175,759.7
..... 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	27,792.6	305.0	2.5	28,095.1	302.5	325.4	584.9	3.0	26.7	8.3	439.6	-5.3	-412.9	28,089.8	27,682.2
..... Other Gases	Utility Scale Facilities	1,746.3	0.0	0.0	1,746.3	0.0	21.2	18.1	0.0	0.0	0.0	0.0	0.0	0.0	1,746.3	1,746.3
... Fossil Fuels Subtotal	***Utility Scale Facilities***	***718,565.1***	***537.3***	***2,241.5***	***716,860.9***	***-1,704.2***	***-3,069.0***	***-6,098.8***	***15.1***	***3,610.2***	***1,498.9***	***6,343.7***	***-1,483.8***	***-2,733.5***	***715,377.1***	***714,127.4***
..... Hydroelectric Pumped Storage	Utility Scale Facilities	23,139.0	0.0	0.0	23,139.0	0.0	-27.5	62.1	0.0	80.0	0.0	0.0	0.0	80.0	23,139.0	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	15,891.6	54.3	0.5	15,945.4	53.8	531.9	6,688.2	2,601.5	15,527.8	0.0	0.0	2,601.5	15,527.8	18,546.9	31,473.2
... Energy Storage Subtotal	***Utility Scale Facilities***	***39,077.6***	***54.3***	***0.5***	***39,131.4***	***53.8***	***504.4***	***6,750.3***	***2,601.5***	***15,607.8***	***0.0***	***0.0***	***2,601.5***	***15,607.8***	***41,732.9***	***54,739.2***
... Nuclear	***Utility Scale Facilities***	***95,723.1***	***0.0***	***0.0***	***95,723.1***	***0.0***	***-22.9***	***1,091.1***	***0.0***	***1,159.0***	***0.0***	***0.0***	***0.0***	***1,159.0***	***95,723.1***	***96,882.1***
... All Other	***Utility Scale Facilities***	***1,406.9***	***0.0***	***3.2***	***1,403.7***	***-3.2***	***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**	**1,192,517.2**	**1,749.8**	**2,319.0**	**1,191,948.0**	**-569.2**	**2,545.1**	**28,341.6**	**8,962.6**	**63,198.5**	**1,498.9**	**6,395.1**	**7,463.7**	**56,803.4**	**1,199,411.7**	**1,248,751.4**
..... *Estimated Small Scale Solar Photovoltaic*	*Small Scale Facilities*	*48,084.1*			*48,821.5*	*737.4*	*1,117.6*	*7,634.7*								
..... Estimated Total Solar Photovoltaic	All Facilities	141,324.7			142,812.6	1,487.9	5,279.8	28,370.6								
... Estimated Total Solar	***All Facilities***	***142,804.7***			***144,292.6***	***1,487.9***	***5,279.8***	***28,370.6***								

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

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

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

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

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

Values are preliminary.
Improved renewable data reporting has resulted in realignment of the commercial and industrial sectors.
Estimated small scale solar photovoltaic capacity is based on data from Form EIA-861M, Form EIA-861, and from estimation methods described in the technical notes.

Table 6.2.A. Net Summer Capacity of Utility Scale Units by Technology and by State, February 2024 and 2023 (Megawatts)

Census Division and State	Renewable Sources		Fossil Fuels		Hydroelectric Pumped Storage		Other Energy Storage		Nuclear		All Other Sources		All Sources	
	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
New England	7,356.9	7,068.4	22,450.2	22,919.9	1,863.4	1,863.4	360.4	316.4	3,326.9	3,356.1	22.0	22.0	35,379.8	35,546.2
Connecticut	541.7	536.7	7,286.9	7,434.6	29.4	29.4	1.6	1.6	2,081.2	2,108.0	0.0	0.0	9,940.8	10,110.3
Maine	2,685.1	2,541.7	2,312.2	2,516.4	0.0	0.0	62.3	46.3	0.0	0.0	22.0	22.0	5,081.6	5,126.4
Massachusetts	1,963.3	1,938.1	8,684.6	8,802.4	1,834.0	1,834.0	258.6	254.6	0.0	0.0	0.0	0.0	12,740.5	12,829.1
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	510.3	405.1	1,780.1	1,780.1	0.0	0.0	3.0	3.0	0.0	0.0	0.0	0.0	2,293.4	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	14,494.1	13,219.6	71,558.8	73,128.2	3,315.7	3,343.2	362.5	262.2	15,854.5	15,854.5	11.2	11.2	105,596.8	105,818.9
New Jersey	1,375.5	1,325.3	11,506.9	11,501.4	415.4	420.0	89.7	42.7	3,456.7	3,456.7	11.2	11.2	16,855.4	16,757.3
New York	9,463.5	8,857.7	25,811.0	26,239.5	1,408.8	1,408.8	218.2	164.9	3,304.6	3,304.6	0.0	0.0	40,206.1	39,975.5
Pennsylvania	3,655.1	3,036.6	34,240.9	35,387.3	1,491.5	1,514.4	54.6	54.6	9,093.2	9,093.2	0.0	0.0	48,535.3	49,086.1
East North Central	25,990.3	21,329.7	103,399.3	105,563.1	2,185.6	2,185.6	173.9	165.5	18,206.2	18,206.2	169.8	169.8	150,125.1	147,619.9
Illinois	9,177.3	8,307.5	24,444.2	24,340.8	0.0	0.0	96.1	96.1	11,567.6	11,567.6	78.0	78.0	45,363.2	44,390.0
Indiana	4,871.7	4,297.3	21,631.4	22,513.7	0.0	0.0	36.0	36.0	0.0	0.0	88.0	88.0	26,627.1	26,935.0
Michigan	5,305.4	4,704.8	20,306.5	20,827.0	2,185.6	2,185.6	1.3	1.3	3,318.0	3,318.0	3.8	3.8	31,120.6	31,040.5
Ohio	3,439.5	1,760.2	23,853.9	24,722.3	0.0	0.0	34.8	26.8	2,134.0	2,134.0	0.0	0.0	29,462.2	28,643.3
Wisconsin	3,196.4	2,259.9	13,163.3	13,159.3	0.0	0.0	5.7	5.3	1,186.6	1,186.6	0.0	0.0	17,552.0	16,611.1
West North Central	45,731.6	44,105.3	56,718.5	57,628.9	657.0	657.0	30.6	31.8	4,840.5	4,842.0	12.2	12.2	107,990.4	107,277.2
Iowa	13,297.9	13,093.4	9,393.7	9,644.9	0.0	0.0	8.9	8.9	0.0	0.0	0.0	0.0	22,700.5	22,747.2
Kansas	9,098.8	8,291.6	8,918.7	8,918.4	0.0	0.0	0.0	0.0	1,225.0	1,225.0	0.8	0.8	19,243.3	18,435.8
Minnesota	6,753.7	6,610.5	9,438.8	10,121.6	0.0	0.0	16.0	16.0	1,657.0	1,657.0	6.1	6.1	17,871.6	18,411.2
Missouri	3,038.2	3,038.2	16,296.9	16,267.7	657.0	657.0	1.0	2.2	1,190.0	1,190.0	0.0	0.0	21,183.1	21,155.1
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	37,439.7	34,076.8	153,634.3	155,081.2	8,180.4	8,100.4	813.9	747.1	25,866.7	24,752.8	366.9	366.9	226,301.9	223,125.2
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	9,833.9	8,147.6	55,339.6	54,890.4	0.0	0.0	560.7	558.2	3,666.0	3,666.0	312.9	312.9	69,713.1	67,575.1
Georgia	7,104.6	6,629.5	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	37,776.2	36,201.3
Maryland	1,416.8	1,440.0	8,722.1	8,741.7	0.0	0.0	13.7	7.7	1,707.8	1,707.8	0.0	0.0	11,860.4	11,897.2
North Carolina	9,248.4	8,876.8	21,342.6	21,342.6	86.0	86.0	58.3	38.0	5,149.6	5,149.6	54.0	54.0	35,938.9	35,547.0
South Carolina	3,216.2	3,171.7	11,629.3	11,710.8	2,956.0	2,876.0	22.0	4.0	6,600.3	6,600.4	0.0	0.0	24,423.8	24,362.9
Virginia	5,264.5	4,475.8	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	28,202.2	29,174.3
West Virginia	1,218.1	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	15,039.6	15,020.7
East South Central	9,887.2	9,513.3	62,322.9	59,562.4	1,616.3	1,616.3	2.5	1.0	11,358.4	11,358.4	1.4	1.4	85,188.7	82,052.8
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	1,289.7	17,037.5	16,343.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18,327.7	17,633.2
Mississippi	728.0	621.7	12,732.6	12,699.9	0.0	0.0	1.5	0.0	1,383.0	1,383.0	1.4	1.4	14,846.5	14,706.0
Tennessee	3,359.4	3,144.4	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	20,917.2	20,702.2
West South Central	75,796.5	67,481.7	139,740.5	141,078.4	288.0	288.0	3,826.5	2,134.6	8,941.9	8,934.0	576.0	548.2	229,169.4	220,464.9
Arkansas	2,278.4	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	15,030.4	14,958.2
Louisiana	958.6	758.6	21,521.3	21,520.6	0.0	0.0	0.0	0.5	2,136.9	2,132.0	357.0	329.2	24,973.8	24,740.9
Oklahoma	13,612.5	12,811.4	18,234.3	19,757.9	258.0	258.0	10.0	10.0	0.0	0.0	0.0	0.0	32,114.8	32,837.3
Texas	58,947.0	52,088.3	89,109.9	88,539.1	0.0	0.0	3,794.5	2,102.1	4,980.0	4,980.0	219.0	219.0	157,050.4	147,928.5
Mountain	42,464.6	38,341.5	58,108.1	58,139.2	806.7	797.1	1,971.3	383.0	3,937.0	3,937.0	124.6	123.7	107,412.3	101,721.5
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	8,202.2	7,162.7	10,472.4	10,322.4	590.4	580.8	240.2	10.2	0.0	0.0	9.1	9.1	19,514.3	18,085.2
Idaho	4,095.5	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	5,255.9	5,355.3
Montana	4,800.4	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	6,908.4	6,518.8
Nevada	5,925.3	5,268.5	8,082.3	8,079.6	0.0	0.0	543.8	200.0	0.0	0.0	6.5	6.5	14,557.9	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	7,301.6	7,311.5	0.0	0.0	1.0	1.0	0.0	0.0	40.2	40.2	9,986.6	9,626.9
Wyoming	3,555.1	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	10,244.0	10,091.8
Pacific Contiguous	78,263.4	75,750.7	44,770.8	45,692.6	4,225.9	4,225.9	7,997.2	5,024.0	3,391.0	3,391.0	91.2	94.4	138,739.5	134,178.6
California	39,306.3	36,951.2	36,939.2	37,878.0	3,911.9	3,911.9	7,956.2	4,983.0	2,240.0	2,240.0	91.2	94.4	90,444.8	86,058.5
Oregon	13,606.7	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	17,410.7	17,233.4
Washington	25,350.4	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	30,884.0	30,886.7
Pacific Noncontiguous	1,404.6	1,368.4	4,157.5	4,165.8	0.0	0.0	453.6	238.6	0.0	0.0	28.4	28.4	6,044.1	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	854.7	825.6	1,979.9	1,979.9	0.0	0.0	359.9	144.9	0.0	0.0	27.5	27.5	3,222.0	2,977.9
U.S. Total	338,828.9	312,255.4	716,860.9	722,959.7	23,139.0	23,076.9	15,992.4	9,304.2	95,723.1	94,632.0	1,403.7	1,378.2	1,191,948.0	1,163,606.4

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

NOTES:
Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this report. This exclusion may represent a significant portion of capacity for some technologies such as solar photovoltaic generation.
Concentrated Solar Power Energy Storage is included in 'Renewable sources'; it is not included in 'Other Energy Storage'

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

Table 6.2.B. Net Summer Capacity Using Primarily Renewable Energy Sources and by State, February 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	
	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
New England	1,575.7	1,575.7	2,581.7	2,288.9	0.0	0.0	1,950.5	1,950.4	1,249.0	1,253.4	0.0	0.0	7,356.9	7,068.4	5,265.3	4,439.9	7,847.0	6,728.8	7,847.0	6,728.8
Connecticut	5.0	5.0	277.9	272.9	0.0	0.0	119.2	119.2	139.6	139.6	0.0	0.0	541.7	536.7	1,011.8	840.5	1,289.7	1,113.4	1,289.7	1,113.4
Maine	1,029.5	1,029.5	441.2	297.8	0.0	0.0	725.8	725.8	488.6	488.6	0.0	0.0	2,685.1	2,541.7	591.8	343.3	1,033.0	641.1	1,033.0	641.1
Massachusetts	101.8	101.8	1,323.6	1,291.6	0.0	0.0	264.8	267.2	273.1	277.5	0.0	0.0	1,963.3	1,938.1	2,743.1	2,521.4	4,066.7	3,813.0	4,066.7	3,813.0
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	242.6	190.0	245.0	192.4	245.0	192.4
Rhode Island	77.3	77.3	390.2	285.0	0.0	0.0	2.7	2.7	40.1	40.1	0.0	0.0	510.3	405.1	498.1	370.7	888.3	655.7	888.3	655.7
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	178.0	174.0	324.4	313.2	324.4	313.2
Middle Atlantic	4,306.5	3,888.6	3,592.8	2,730.0	0.0	0.0	5,508.3	5,505.2	1,086.5	1,095.8	0.0	0.0	14,494.1	13,219.6	6,448.4	5,737.7	10,041.2	8,467.7	10,041.2	8,467.7
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	2,322.3	2,366.7	3,488.3	3,481.4	3,488.3	3,481.4
New York	2,746.3	2,421.0	1,695.4	1,418.1	0.0	0.0	4,566.5	4,563.3	455.3	455.3	0.0	0.0	9,463.5	8,857.7	3,053.3	2,692.2	4,748.7	4,110.3	4,748.7	4,110.3
Pennsylvania	1,552.6	1,460.0	731.4	197.2	0.0	0.0	929.5	929.6	441.6	449.8	0.0	0.0	3,655.1	3,036.6	1,072.8	678.8	1,804.2	876.0	1,804.2	876.0
East North Central	16,817.9	15,702.4	7,256.0	3,711.3	0.0	0.0	876.8	876.4	1,039.6	1,039.6	0.0	0.0	25,990.3	21,329.7	2,268.7	1,880.1	9,524.7	5,591.4	9,524.7	5,591.4
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	1,195.1	991.2	2,410.6	1,916.2	2,410.6	1,916.2
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	251.3	235.8	1,540.2	1,037.3	1,540.2	1,037.3
Michigan	3,577.1	3,224.0	975.2	727.7	0.0	0.0	263.8	263.8	489.3	489.3	0.0	0.0	5,305.4	4,704.8	236.9	196.8	1,212.1	924.5	1,212.1	924.5
Ohio	1,101.8	1,097.3	2,158.0	483.2	0.0	0.0	101.9	101.9	77.8	77.8	0.0	0.0	3,439.5	1,760.2	355.5	277.7	2,513.5	760.9	2,513.5	760.9
Wisconsin	826.2	734.6	1,618.4	773.9	0.0	0.0	406.6	406.2	345.2	345.2	0.0	0.0	3,196.4	2,259.9	230.0	178.7	1,848.4	952.6	1,848.4	952.6
West North Central	40,152.2	38,753.4	1,823.9	1,593.6	0.0	0.0	3,363.9	3,363.9	390.9	393.7	0.0	0.0	45,731.6	44,105.3	1,202.5	939.5	3,026.4	2,533.1	3,026.4	2,533.1
Iowa	12,802.9	12,602.9	265.0	260.5	0.0	0.0	209.4	209.4	20.6	20.6	0.0	0.0	13,297.9	13,093.4	290.1	234.2	555.1	494.7	555.1	494.7
Kansas	9,042.7	8,238.1	40.1	37.5	0.0	0.0	7.0	7.0	9.0	9.0	0.0	0.0	9,098.8	8,291.6	91.0	67.5	131.1	105.0	131.1	105.0
Minnesota	4,928.7	4,928.7	1,296.4	1,153.2	0.0	0.0	211.3	211.3	316.6	316.6	0.0	0.0	6,753.7	6,610.5	256.1	196.7	1,552.5	1,349.9	1,552.5	1,349.9
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	525.4	411.0	626.2	511.8	626.2	511.8
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	33.9	26.8	74.5	67.4	74.5	67.4
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	NM	1.6	NM	1.6	NM	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	4.1	1.6	85.1	2.6	85.1	2.6
South Atlantic	1,267.2	1,267.2	25,307.6	21,658.5	0.0	0.0	7,055.3	7,139.6	3,809.6	4,011.5	0.0	0.0	37,439.7	34,076.8	5,703.1	4,519.0	31,010.7	26,177.5	31,010.7	26,177.5
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	136.4	119.5	225.8	209.0	225.8	209.0
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	146.4	120.2	166.0	138.7	166.0	138.7
Florida	0.0	0.0	8,685.0	6,962.9	0.0	0.0	43.5	43.5	1,105.4	1,141.2	0.0	0.0	9,833.9	8,147.6	2,490.8	1,872.9	11,175.8	8,835.8	11,175.8	8,835.8
Georgia	0.0	0.0	4,115.1	3,632.9	0.0	0.0	1,985.0	1,985.0	1,004.5	1,011.6	0.0	0.0	7,104.6	6,629.5	323.2	291.0	4,438.3	3,923.9	4,438.3	3,923.9
Maryland	190.0	190.0	572.0	520.1	0.0	0.0	514.9	590.0	139.9	139.9	0.0	0.0	1,416.8	1,440.0	1,062.2	1,059.2	1,634.2	1,579.3	1,634.2	1,579.3
North Carolina	208.0	208.0	6,657.8	6,223.6	0.0	0.0	2,010.5	2,008.7	372.1	436.5	0.0	0.0	9,248.4	8,876.8	503.8	416.7	7,161.6	6,640.3	7,161.6	6,640.3
South Carolina	0.0	0.0	1,559.5	1,416.0	0.0	0.0	1,294.0	1,305.0	362.7	450.7	0.0	0.0	3,216.2	3,171.7	390.0	351.9	1,949.5	1,767.9	1,949.5	1,767.9
Virginia	12.0	12.0	3,590.3	2,795.0	0.0	0.0	866.6	866.6	795.6	802.2	0.0	0.0	5,264.5	4,475.8	612.9	259.9	4,203.2	3,054.9	4,203.2	3,054.9
West Virginia	855.2	855.2	18.9	0.0	0.0	0.0	340.8	340.8	3.2	3.2	0.0	0.0	1,218.1	1,199.2	37.5	27.7	56.4	27.7	56.4	27.7
East South Central	29.1	29.1	1,685.8	1,280.0	0.0	0.0	7,037.8	7,037.8	1,134.5	1,166.4	0.0	0.0	9,887.2	9,513.3	179.7	145.4	1,865.5	1,425.4	1,865.5	1,425.4
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	77.8	0.0	0.0	1,137.4	1,137.4	70.5	74.5	0.0	0.0	1,290.2	1,289.7	99.9	76.0	182.2	153.8	182.2	153.8
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	15.4	12.8	441.0	332.1	441.0	332.1
Tennessee	29.1	29.1	576.8	361.8	0.0	0.0	2,608.6	2,608.6	144.9	144.9	0.0	0.0	3,359.4	3,144.4	49.2	44.4	626.0	406.2	626.0	406.2
West South Central	53,751.9	51,488.9	17,943.6	11,888.7	0.0	0.0	3,013.0	3,016.1	1,088.0	1,088.0	0.0	0.0	75,796.5	67,481.7	3,444.1	2,555.7	21,387.7	14,444.4	21,387.7	14,444.4
Arkansas	0.0	0.0	786.2	331.2	0.0	0.0	1,265.2	1,265.2	227.0	227.0	0.0	0.0	2,278.4	1,823.4	280.7	211.5	1,066.9	542.7	1,066.9	542.7
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	190.5	168.8	535.0	313.3	535.0	313.3
Oklahoma	12,648.2	11,844.0	47.5	47.5	0.0	0.0	840.6	843.7	76.2	76.2	0.0	0.0	13,612.5	12,811.4	119.1	69.8	166.6	117.3	166.6	117.3
Texas	41,103.7	39,644.9	16,765.4	11,365.5	0.0	0.0	715.2	715.2	362.7	362.7	0.0	0.0	58,947.0	52,088.3	2,853.9	2,105.5	19,619.3	13,471.0	19,619.3	13,471.0
Mountain	17,054.8	16,157.8	13,433.1	10,206.6	474.2	474.2	10,570.0	10,609.2	176.2	174.4	756.3	719.3	42,464.6	38,341.5	5,668.3	4,858.0	19,101.4	15,064.6	19,575.6	15,538.8
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	2,421.7	2,181.8	5,823.4	4,885.4	6,119.0	5,181.0
Colorado	5,336.7	5,137.7	2,147.1	1,306.6	0.0	0.0	689.7	689.7	28.7	28.7	0.0	0.0	8,202.2	7,162.7	1,104.7	884.0	3,251.8	2,190.6	3,251.8	2,190.6
Idaho	968.3	968.3	402.0	362.0	0.0	0.0	2,630.8	2,672.3	84.4	83.1	10.0	10.0	4,095.5	4,095.7	159.5	130.9	561.5	492.9	561.5	492.9
Montana	1,789.6	1,478.9	177.0	97.0	0.0	0.0	2,827.6	2,826.3	6.2	4.6	0.0	0.0	4,800.4	4,406.8	60.4	42.3	237.4	139.3	237.4	139.3
Nevada	150.0	150.0	3,868.3	3,248.5	178.5	178.5	1,051.7	1,051.7	9.8	9.8	667.0	630.0	5,925.3	5,268.5	990.9	801.8	4,859.2	4,050.3	5,037.7	4,228.8
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	383.7	323.6	1,817.9	1,179.3	1,817.9	1,179.3
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	529.4	477.4	2,440.2	2,018.6	2,440.3	2,018.7
Wyoming	3,156.0	3,006.9	92.0	92.0	0.0	0.0	307.1	307.1	0.0	0.0	0.0	0.0	3,555.1	3,406.0	18.0	16.1	110.0	108.1	110.0	108.1
Pacific Contiguous	13,562.6	13,496.9	19,966.7	17,533.7	1,005.8	1,005.8	40,097.9	40,084.7	1,687.1	1,743.3	1,943.3	1,886.3	78,263.4	75,750.7	17,780.5	15,308.5	37,747.2	32,842.2	38,753.0	33,848.0
California	6,211.2	6,145.5	18,822.6	16,551.6	1,005.8	1,005.8	10,225.9	10,263.3	1,117.0	1,118.2	1,923.8	1,866.8	39,306.3	36,951.2	16,923.4	14,619.4	35,746.0	31,171.0	36,751.8	32,176.8
Oregon	3,976.5	3,976.5	955.7	793.7	0.0	0.0	8,360.1	8,358.8	294.9	294.9	19.5	19.5	13,606.7	13,443.4	408.4	331.9	1,364.1	1,125.6	1,364.1	1,125.6
Washington	3,374.9	3,374.9	188.4	188.4	0.0	0.0	21,511.9	21,462.6	275.2	330.2	0.0	0.0	25,350.4	25,356.1	448.7	357.2	637.1	545.6	637.1	545.6
Pacific Noncontiguous	292.2	292.2	399.9	363.9	0.0	0.0	508.6	508.4	160.9	160.9	43.0	43.0	1,404.6	1,368.4	861.0	803.0	1,260.9	1,166.9	1,260.9	1,166.9
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	19.3	16.4	27.0	17.2	27.0	17.2
Hawaii	233.2	233.2	392.2	363.1	0.0	0.0	32.4	32.4	153.9	153.9	43.0	43.0	854.7	825.6	841.7	786.6	1,233.9	1,149.7	1,233.9	1,149.7
U.S. Total	148,810.1	142,652.2	93,991.1	73,255.2	1,480.0	1,480.0	79,982.1	80,091.7	11,822.3	12,127.0	2,742.6	2,648.6	338,828.9	312,255.4	48,821.5	41,186.8	142,812.6	114,442.0	144,292.6	115,922.0

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, February 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	
	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023	February 2024	February 2023
New England	14,245.8	14,331.8	1,568.2	1,712.0	683.9	759.8	533.9	533.9	0.0	0.0	5,418.4	5,582.4	0.0	0.0	22,450.2	22,919.9
Connecticut	3,923.0	3,919.4	584.0	587.6	571.2	555.2	0.0	0.0	0.0	0.0	2,208.7	2,372.4	0.0	0.0	7,286.9	7,434.6
Maine	1,285.7	1,279.7	181.8	312.0	0.0	80.0	0.0	0.0	0.0	0.0	844.7	844.7	0.0	0.0	2,312.2	2,516.4
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	37,134.6	7,091.8	7,607.0	16,670.4	15,154.4	5,256.7	8,023.2	11.6	11.6	5,107.9	5,082.5	114.9	114.9	71,558.8	73,128.2
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	3,480.4	3,473.9	0.0	0.0	25,811.0	26,239.5
Pennsylvania	19,024.8	18,875.1	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	35,387.3
East North Central	31,128.0	29,407.7	26,854.0	26,526.1	4,494.6	5,701.0	37,380.3	40,309.4	251.1	249.9	2,241.3	2,289.0	1,050.0	1,080.0	103,399.3	105,563.1
Illinois	5,823.1	4,688.4	10,696.3	10,375.9	373.0	1,723.0	6,857.5	6,853.5	0.0	0.0	657.8	663.5	36.5	36.5	24,444.2	24,340.8
Indiana	3,908.4	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	21,631.4	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	439.8	250.0	250.0	20,306.5	20,827.0
Ohio	10,554.2	9,985.8	5,721.3	5,636.8	102.2	102.2	6,607.5	8,097.5	145.5	144.3	504.8	507.3	218.4	248.4	23,853.9	24,722.3
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	577.6	582.6	0.0	0.0	13,163.3	13,159.3
West North Central	7,047.3	7,073.6	11,559.3	11,575.3	3,663.5	3,661.9	30,475.2	31,385.9	32.0	39.5	3,932.8	3,887.1	8.4	5.6	56,718.5	57,628.9
Iowa	1,741.9	1,752.5	1,070.5	1,113.4	751.2	729.1	4,860.8	5,074.6	32.0	39.5	937.3	935.8	0.0	0.0	9,393.7	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	572.2	539.3	0.0	0.0	8,918.7	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	397.6	9,714.2	9,714.2	0.0	0.0	1,017.8	1,005.7	0.0	0.0	16,296.9	16,267.7
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	31,886.1	14,231.3	15,021.0	35,063.7	37,040.7	83.8	83.8	6,477.0	6,183.0	135.0	135.0	153,634.3	155,081.2
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	1,209.5	1,453.0	1,758.0	0.0	0.0	1,637.5	1,332.5	0.0	0.0	8,722.1	8,741.7
North Carolina	5,579.0	5,579.0	6,002.5	6,002.5	4,665.7	4,665.7	4,594.0	4,594.0	0.0	0.0	501.4	501.4	0.0	0.0	21,342.6	21,342.6
South Carolina	3,252.0	3,237.2	2,502.7	2,557.0	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	11,710.8
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	23,788.3	21,917.4	13,682.0	12,752.2	4,008.4	4,475.8	20,306.5	20,306.5	0.0	0.0	533.9	106.7	3.8	3.8	62,322.9	59,562.4
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	1,763.0	1,763.0	5,599.6	4,905.6	483.0	483.0	9,180.0	9,180.0	0.0	0.0	11.9	11.9	0.0	0.0	17,037.5	16,343.5
Mississippi	8,398.0	7,871.0	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	12,732.6	12,699.9
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	64,334.1	65,889.9	16,963.4	16,634.5	29,898.2	29,703.8	26,728.2	27,078.9	882.1	882.1	702.7	702.7	231.8	186.5	139,740.5	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	5,886.9	5,742.9	2,070.1	2,074.1	818.3	818.3	49.7	49.7	167.6	162.7	21,521.3	21,520.6
Oklahoma	7,349.6	8,922.9	1,649.2	1,643.0	5,896.6	5,881.1	3,272.5	3,244.5	0.0	0.0	66.4	66.4	0.0	0.0	18,234.3	19,757.9
Texas	42,684.0	42,654.9	11,778.0	11,311.6	17,290.7	17,255.8	16,651.6	16,651.6	63.8	63.8	577.6	577.6	64.2	23.8	89,109.9	88,539.1
Mountain	22,982.6	23,093.2	9,566.5	9,479.1	3,685.3	3,689.2	21,303.9	21,307.9	52.0	52.0	510.0	510.0	7.8	7.8	58,108.1	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	328.2	338.1	4,581.0	4,581.0	0.0	0.0	27.8	27.8	0.0	0.0	7,301.6	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	194.6	194.6	44,770.8	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	194.6	194.6	36,939.2	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	293,594.8	290,535.6	132,094.3	131,147.9	82,074.5	83,837.6	177,943.3	186,881.3	1,312.6	1,318.9	28,095.1	27,510.2	1,746.3	1,728.2	716,860.9	722,959.7

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 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	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	Walleye (Dunn 2)	WI	66994	720	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
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

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	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	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

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	0.0	Conventional Hydroelectric	WAT	HY
2024	1	3477	City of Chicopee - (MA)	Electric Utility	Chicopee Hydroelectric Station	MA	50832	2	0.0	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

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	3	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	3	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	3	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	3	64904	AES Clean Energy	IPP	Westport Stone & Sand Solar	MA	66447	WESTP	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	3	61012	AES Distributed Energy	IPP	AES West Oahu Solar Hybrid	HI	64656	UHBES	12.5	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	12.5
2024	3	61012	AES Distributed Energy	IPP	AES West Oahu Solar Hybrid	HI	64656	UHWO	12.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	12.5
2024	3	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	3	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	3	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	3	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	3	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	3	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	3	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	3	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	3	64996	Arica Solar, LLC	IPP	Arica Solar	CA	65744	ARCBA	136.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	136.0
2024	3	64996	Arica Solar, LLC	IPP	Arica Solar	CA	65744	ARCPV	263.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	263.0
2024	3	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	3	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	3	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	3	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	3	58939	Cameron Wind 1 LLC	IPP	Cameron Wind 1 LLC	TX	59118	SABAL	16.4	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	16.4
2024	3	64307	Castle Solar, LLC	IPP	Castle Solar, LLC	UT	64740	CS	40.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	40.0
2024	3	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	3	64624	Cedar Creek Wind, LLC	IPP	Cedar Creek Wind, LLC	ID	65311	CDCRK	160.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	160.0
2024	3	3913	City of Colby - (KS)	Electric Utility	Colby City of	KS	1272	9	3.0	Petroleum Liquids	DFO	IC	(TS) Construction complete, but not yet in commercial operation	3.0
2024	3	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	3	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	3	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	3	65677	Dimension Energy LLC	IPP	Visalia CSG LLC	CA	66677	VISAL	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0
2024	3	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	3	6455	Duke Energy Florida, LLC	Electric Utility	Mule Creek Renewable Energy Center	FL	65501	PV1	74.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.9
2024	3	6455	Duke Energy Florida, LLC	Electric Utility	Winquepin Renewable Energy Center	FL	66553	PV1	74.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.9
2024	3	3046	Duke Energy Progress - (NC)	Electric Utility	Woodfin Solar	NC	64882	PV1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	3	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	3	59380	Enel Green Power NA, Inc.	IPP	Ganado Solar	TX	67284	GBA	70.5	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	70.5
2024	3	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	3	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	3	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	3	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	3	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	3	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	3	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	3	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	3	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	3	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	3	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	3	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	3	65502	Five Wells Solar Center, LLC	IPP	Five Wells Solar Center - Hybrid	TX	66420	FWBAT	259.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	262.5
2024	3	6452	Florida Power & Light Co	Electric Utility	Big Juniper Solar	FL	65862	1	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.5
2024	3	6452	Florida Power & Light Co	Electric Utility	Fourmile Creek	FL	65927	1	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.5
2024	3	6452	Florida Power & Light Co	Electric Utility	Hawthorne Creek	FL	65926	1	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.5
2024	3	6452	Florida Power & Light Co	Electric Utility	Nature Trail	FL	65924	1	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.5
2024	3	6452	Florida Power & Light Co	Electric Utility	Pecan Tree	FL	65879	1	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.5
2024	3	6452	Florida Power & Light Co	Electric Utility	Sambucus	FL	65864	1	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.5
2024	3	6452	Florida Power & Light Co	Electric Utility	Sparkleberry	FL	65867	1	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.5
2024	3	6452	Florida Power & Light Co	Electric Utility	Three Creeks	FL	65863	1	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.5
2024	3	6452	Florida Power & Light Co	Electric Utility	Wild Quail	FL	65910	1	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.5
2024	3	6452	Florida Power & Light Co	Electric Utility	Woodyard	FL	65875	1	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.5
2024	3	62856	Forefront Power, LLC	IPP	CA-DGS- RFP-Correctional Training Fac	CA	65524	14069	1.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.6
2024	3	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	3	62856	Forefront Power, LLC	IPP	Grossmont-Cuyamaca-Cuyamaca Col. Solar &	CA	66023	18009	1.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.4
2024	3	62856	Forefront Power, LLC	IPP	Grossmont-Cuyamaca-Cuyamaca Col. Solar &	CA	66023	19043	1.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	1.0
2024	3	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	3	63117	Gemini Solar	IPP	Gemini Solar	NV	63352	ARBE1	690.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	690.0
2024	3	63117	Gemini Solar	IPP	Gemini Solar	NV	63352	ARPV1	380.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	380.0
2024	3	65575	Grand Island Sunrise LLC	IPP	NY Grand Island 871 Whitehaven Rd Solar	NY	66527	21011	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0
2024	3	60025	Greenbacker Renewable Energy Corporation	IPP	Athens Ridge	ME	66832	574	2.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.9
2024	3	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	3	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	3	60025	Greenbacker Renewable Energy Corporation	IPP	Ogema	WI	67055	706	1.4	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.4
2024	3	60025	Greenbacker Renewable Energy Corporation	IPP	Trimbelle (Pierce Pepin)	WI	67054	705	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	3	60025	Greenbacker Renewable Energy Corporation	IPP	Wolf River (Chipewa 1)	WI	67057	707	1.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.5
2024	3	65076	HEN Infrastructure, L.L.C.	IPP	Diboll BESS	TX	66794	DIBOL	9.9	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	9.9
2024	3	65076	HEN Infrastructure, L.L.C.	IPP	Garden City East BESS	TX	66791	GRDNE	9.9	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	9.9
2024	3	65076	HEN Infrastructure, L.L.C.	IPP	Judkins BESS	TX	66790	JUDKS	9.9	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	9.9
2024	3	65076	HEN Infrastructure, L.L.C.	IPP	Lufkin South BESS	TX	66789	LUFKS	9.9	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	9.9
2024	3	65076	HEN Infrastructure, L.L.C.	IPP	Mineral Wells East BESS	TX	66788	MNWLE	9.9	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	9.9
2024	3	65076	HEN Infrastructure, L.L.C.	IPP	Pauline BESS	TX	66784	PAULN	9.9	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	9.9
2024	3	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	3	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	3	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	3	65400	Horus West Virginia 1, LLC	IPP	Blake Solar Plant	WV	66276	US620	80.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	96.0
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	(V) Under construction, more than 50 percent complete	50.0
2024	3	49893	Invenergy Services LLC	IPP	Tip Top Solar Energy Center LLC	NM	63028	GEN1	220.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	220.0
2024	3	66099	Jade Meadow LLC	IPP	Jade Meadow LLC	MD	67214	JMS01	19.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	19.8
2024	3	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	3	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	3	64925	MA CS Dighton, LLC	IPP	MA-Dighton-A	MA	65646	MADIG	3.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.8
2024	3	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	3	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	3	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

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	3	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	3	61227	Nautilus Solar Solutions	IPP	Ten Oaks	MD	67334	SC	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	3	62836	Navisun LLC	IPP	Acushnet MA 2	MA	64707	ACNT2	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2024	3	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	3	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
2024	3	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	3	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	3	59254	NuGen Capital Management	IPP	Bristol Landfill Solar	RI	65142	BL1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	3	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	3	64743	PPM Solar LLC	IPP	Fredonia Solar (KS)	KS	66570	FS1	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	3	61298	Pine Gate Renewables	IPP	Pleasant Hill PV1	NC	63787	PHILL	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2024	3	64371	RPNY Solar 3, LLC	IPP	Slayton Settlement Road Solar CSG	NY	64867	SLYTB	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2024	3	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	3	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	3	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	3	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	3	16609	San Diego Gas & Electric Co	Electric Utility	Boulevard Energy Storage	CA	66279	1	10.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	10.0
2024	3	16609	San Diego Gas & Electric Co	Electric Utility	Clairemont Energy Storage	CA	66266	1	10.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	10.0
2024	3	16609	San Diego Gas & Electric Co	Electric Utility	Elliott Energy Storage	CA	66278	1	10.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	10.0
2024	3	16609	San Diego Gas & Electric Co	Electric Utility	Melrose BESS	CA	66281	1	10.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	10.0
2024	3	16609	San Diego Gas & Electric Co	Electric Utility	Melrose BESS	CA	66281	2	10.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	10.0
2024	3	16609	San Diego Gas & Electric Co	Electric Utility	Pala Gomez Creek BESS	CA	66280	1	10.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	10.0
2024	3	16609	San Diego Gas & Electric Co	Electric Utility	Paradise Energy Storage	CA	66265	1	10.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	10.0
2024	3	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	3	65781	Sky Ranch Solar and Storage	IPP	Sky Ranch Solar and Storage	NM	66814	SKYBA	50.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	50.0
2024	3	65781	Sky Ranch Solar and Storage	IPP	Sky Ranch Solar and Storage	NM	66814	SKYPV	190.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	190.0
2024	3	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	3	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	3	64994	SolRiver Capital LLC	IPP	Gray Fox Solar LLC	NC	66377	PV1	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0
2024	3	64994	SolRiver Capital LLC	IPP	Harding Solar, LLC	NC	67053	PV1	3.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	3.0
2024	3	64994	SolRiver Capital LLC	IPP	Sheridan Solar LLC (CSG)	OR	66354	PV1	3.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	3.0
2024	3	64994	SolRiver Capital LLC	IPP	Whitehall Solar LLC	SC	67052	PV1	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2024	3	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	3	60947	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	3	60947	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	3	60947	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	3	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	3	64995	Victory Pass I, LLC	IPP	Victory Pass	CA	65743	VCTBA	50.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	50.0
2024	3	64995	Victory Pass I, LLC	IPP	Victory Pass	CA	65743	VCTPV	200.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	200.0
2024	3	65014	Waco Solar, LLC	IPP	Waco Solar	TX	65762	SWACO	400.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	400.0
2024	3	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	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	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	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	4	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	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	65271	Blue Elk II Solar, LLC	IPP	Blue Elk II Solar, LLC	MI	66105	BEII	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2024	4	63235	Brookfield Renewable Trading and Marketing LP	IPP	AM Wind Repower LLC	CA	66167	63235	27.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	27.0
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	65565	Catalyze Houston Express Lane Microgrid, LLC	IPP	TX Houston 7080 Express Lane	TX	66517	19344	1.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.9
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	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	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	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	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	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	4	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	4	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	4	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	4	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	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	Tortolas	TX	65493	TORTO	50.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	50.0
2024	4	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	4	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	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	63545	Golden Field Solar III, LLC	IPP	Golden Field Solar III, LLC	CA	63859	RCBA	147.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	147.0
2024	4	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	4	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	4	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	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	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
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	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	4	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	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

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	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	4	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	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	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	4	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	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 1	PA	65076	PACT1	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	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	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	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	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	4	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	4	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	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	Wild Springs	SD	67018	WLDSP	128.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	128.0
2024	4	64507	North Haven Solar One, LLC	IPP	North Haven Solar One	CT	65109	VCP11	1.6	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.6
2024	4	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	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	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	4	64743	PPM Solar LLC	IPP	Highpeak Solar 1	TX	66572	HPKS1	10.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	10.0
2024	4	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	4	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	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	(V) Under construction, more than 50 percent complete	190.0
2024	4	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	4	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	4	56215	RWE Renewables Americas, LLC	IPP	Willowbrook Solar I, LLC	OH	63877	WBS	150.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	150.0
2024	4	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	4	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	4	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	4	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	4	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	4	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	4	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
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	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	4	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	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	(V) Under construction, more than 50 percent complete	250.0
2024	4	65426	St. Gall Energy Storage I	IPP	St. Gall Energy Storage I	TX	66336	SGES1	100.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	102.6
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	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	4	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	4	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	4	60947	Tesla Inc.	Industrial	Tesla Reno GigaFactory	NV	64098	3	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
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	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	(V) Under construction, more than 50 percent complete	38.0
2024	5	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	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	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	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	65211	Blackwater Solar, LLC	IPP	Blackwater Solar	GA	66025	GA-02	80.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	80.0
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	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	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	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	5	65965	Crow Creek Solar, LLC	IPP	Paulsell	CA	67092	PSLBA	15.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	15.0
2024	5	65965	Crow Creek Solar, LLC	IPP	Paulsell	CA	67092	PSLPV	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	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	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	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

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	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	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	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 Lodi	CA	66638	LODI	48.0	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	48.0
2024	5	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	5	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	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	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	Upland	MA	67276	703	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
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	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	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	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	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 4	PA	65079	PACT4	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	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	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	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	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	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	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	5	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	5	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	5	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	5	65775	RPCA Solar 1, LLC	IPP	Avenue 26 Solar	CA	66809	A26P1	2.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 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	(U) Under construction, less than or equal to 50 percent complete	5.0
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	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	5	64994	SolRiver Capital LLC	IPP	Auburn Solar LLC (CSG)	OR	66378	PV1	2.9	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.9
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	Cathode (Hinson) BESS	CA	65457	CATH1	100.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	100.0
2024	5	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	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	65863	Three Corners Solar, LLC	IPP	Three Corners Solar	ME	66955	18099	110.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	110.0
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	Bromley Battery Storage	CO	67305	BROBA	11.8	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	11.8
2024	5	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	5	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	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 Cogburn Solar LLC	CO	66436	USCOG	2.4	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.4
2024	5	65173	United States Solar Corporation	IPP	USS Fruita Solar LLC	CO	66432	USGBS	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
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	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
2024	6	65696	Brazos Bend BESS, LLC	IPP	Brazos Bend BESS, LLC	TX	66690	BEND	100.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 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	(U) Under construction, less than or equal to 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	(U) Under construction, less than or equal to 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	(U) Under construction, less than or equal to 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

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	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	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	65368	Eleven Mile Solar Center, LLC	IPP	Eleven Mile Solar Center	AZ	66263	1111	300.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	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	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	66125	Foster Clean Power A, LLC	IPP	Foster Clean Power A	CA	67288	BESSA	1.3	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	1.3
2024	6	66125	Foster Clean Power A, LLC	IPP	Foster Clean Power A	CA	67288	FOSTA	3.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.0
2024	6	66071	Franklin Solar Idaho	IPP	Franklin Solar Hybrid	ID	67190	FBESS	100.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	100.0
2024	6	66071	Franklin Solar Idaho	IPP	Franklin Solar Hybrid	ID	67190	FRKLN	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 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	Mars Hill	ME	67154	577	2.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.6
2024	6	60025	Greenbacker Renewable Energy Corporation	IPP	Pine Hill Westport	MA	67156	702	3.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.3
2024	6	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	6	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	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	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	50123	Leeward Asset Management, LLC	IPP	AVEP BESS	CA	65591	AVEPB	126.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	126.0
2024	6	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	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	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	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	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	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	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	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	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	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	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	64994	SolRiver Capital LLC	IPP	Sunflower Solar LLC	SC	67051	PV1	10.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	10.0
2024	6	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	6	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	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	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	61950	Terra-Gen Operating Co-Solar	IPP	Lockhart ESS, LLC	CA	66946	LHESS	45.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	45.0
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	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	6	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	6	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	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	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	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	(T) Regulatory approvals received. Not under construction	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	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	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	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	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	(U) Under construction, less than or equal to 50 percent complete	9.8

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2024	7	60025	Greenbacker Renewable Energy Corporation	IPP	Lake City	MI	67200	642	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	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	(U) Under construction, less than or equal to 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	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	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	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	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	13407	Nevada Power Co	Electric Utility	Silverhawk	NV	55841	CT3	222.6	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 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	(U) Under construction, less than or equal to 50 percent complete	210.1
2024	7	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	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	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	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	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	7	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	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	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	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	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	(P) Planned for installation, but regulatory approvals not initiated	3.1
2024	8	20806	City of Windom	Electric Utility	Windom	MN	2023	CAT6	2.8	Petroleum Liquids	DFO	IC	(P) Planned for installation, but regulatory approvals not initiated	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	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	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	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	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	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	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	(U) Under construction, less than or equal to 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	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	Davistown-Mercer	NC	67036	BAT1	2.5	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	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	65550	Nova Power, LLC	IPP	Menifee Power Bank	CA	66494	NOVA3	50.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 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

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	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	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	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	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
2024	8	65970	Sunlight Road Solar, LLC	IPP	Sunlight Road Solar	LA	67071	SRS	50.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 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	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
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	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	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	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	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	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	65715	Strata Clean Energy	IPP	Chiltepin Solar	TX	66704	11106	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
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	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	65819	Ables Springs Solar, LLC	IPP	Ables Springs Solar & Storage	TX	66905	BESS	100.0	Batteries	MWH	BA	(V) Under construction, more than 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	(U) Under construction, less than or equal to 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	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	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	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	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	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	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	60947	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
2024	10	60947	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	60947	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	60947	Tesla Inc.	Industrial	Fremont CA AutoFactory	CA	65072	STAMP	1.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.2
2024	10	60947	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

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	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	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	(V) Under construction, more than 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	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
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	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	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	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	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	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	(U) Under construction, less than or equal to 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	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	(T) Regulatory approvals received. Not under construction	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	(P) Planned for installation, but regulatory approvals not initiated	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	(P) Planned for installation, but regulatory approvals not initiated	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	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	(T) Regulatory approvals received. Not under construction	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	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	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	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
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	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	160.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	160.0
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	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
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	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
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

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	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	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	63579	Illinois Winds LLC	IPP	Panther Creek Wind Project	IL	63907	WTGE	54.4	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	54.4
2024	12	9273	Indianapolis Power & Light Co	Electric Utility	Pike County Energy Storage	IN	66881	BAT2	200.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	200.0
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	RBESS	50.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	50.0
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	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	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	(TS) Construction complete, but not yet in commercial operation	5.0
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	63781	SR North Stonington, LLC	IPP	SR North Stonington	CT	64160	STONE	9.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	9.9
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	66023	SR Scottsville, LLC	IPP	SR Scottsville, LLC	KY	67128	SCOTV	3.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.0
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	65072	Sacramento Valley Energy Center, LLC	IPP	Sacramento Valley Energy Center, LLC	CA	65808	BSVEC	100.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	100.0
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

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	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	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
2024	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
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	63527	Westlands Cherry, LLC	IPP	Cherry	CA	63850	CHERY	249.7	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	249.7
2024	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
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	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	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
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	(L) Regulatory approvals pending. Not under construction	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	64265	Notch Peak Solar LLC	IPP	Notch Peak Solar LLC	UT	64669	KOV4A	324.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	324.0
2025	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	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	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	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	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	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	(P) Planned for installation, but regulatory approvals not initiated	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	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	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	15399	Avangrid Renewables LLC	IPP	True North Solar, LLC	TX	65998	TNS1	240.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	240.0
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
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	2.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.9
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	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Second Division Solar	TX	65981	TXSD2	30.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	30.0
2025	3	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Starr Solar Ranch	TX	65975	TXSD2	180.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	180.0
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	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
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	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	65079	Solar Proponent LLC	IPP	Dogwood Creek Solar and BESS	TX	65843	DOGBS	443.2	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	443.2
2025	3	65079	Solar Proponent LLC	IPP	Dogwood Creek Solar and BESS	TX	65843	DOGPV	435.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	435.5
2025	3	17633	Southern Indiana Gas & Elec Co	Electric Utility	CrossTrack Solar	IN	66781	1	130.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	130.0
2025	3	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
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

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	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	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	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	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	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	UT	67191	HS2	75.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	75.0
2025	6	66059	Hornshadow Solar, LLC	IPP	Hornshadow Solar	UT	67189	HSS	75.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	75.0
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

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	6	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
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	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
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	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	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	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	0.0
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	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

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	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	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Trinity River Solar 1	TX	66132	TXTR2	75.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	75.0
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	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
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	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
2025	12	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
2025	12	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
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	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

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	62023	Skeleton Creek Energy Center	IPP	Skeleton Creek Energy Center Hybrid	OK	62494	SCBAT	200.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	200.0
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	64994	SolRiver Capital LLC	IPP	Washington Solar	NC	60948	PV1	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
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	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	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	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
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	4.0	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	5.0
2026	2	65644	Fish Lake Geothermal LLC	IPP	Fish Lake Geothermal	NV	66618	FL2	4.0	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	5.0
2026	2	65644	Fish Lake Geothermal LLC	IPP	Fish Lake Geothermal	NV	66618	FL3	4.0	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	5.0
2026	2	65644	Fish Lake Geothermal LLC	IPP	Fish Lake Geothermal	NV	66618	FL4	4.0	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	5.0
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

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	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	Freestone Energy Center	TX	55226	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	Freestone Energy Center	TX	55226	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	140.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	140.0
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	JVR1A	90.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	90.0
2026	8	64077	JVR Energy Park LLC	IPP	JVR Energy Park LLC	CA	64428	JVR1B	70.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	70.0
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	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	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	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

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	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
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	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	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	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

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2027	7	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	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	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	62709	Bakerstand Solar LLC	IPP	Bakerstand Solar (NY)	NY	62811	BKSTD	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
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

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	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
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	1278	City of Barron - (WI)	Electric Utility	Barron	WI	4102	1A	1.1	Petroleum Liquids	DFO	IC
2024	3	1278	City of Barron - (WI)	Electric Utility	Barron	WI	4102	2A	1.1	Petroleum Liquids	DFO	IC
2024	3	1278	City of Barron - (WI)	Electric Utility	Barron	WI	4102	3A	1.1	Petroleum Liquids	DFO	IC
2024	3	1278	City of Barron - (WI)	Electric Utility	Barron	WI	4102	4	1.1	Petroleum Liquids	DFO	IC
2024	3	1278	City of Barron - (WI)	Electric Utility	Barron	WI	4102	7	0.6	Petroleum Liquids	DFO	IC
2024	3	1278	City of Barron - (WI)	Electric Utility	Barron	WI	4102	8	1.3	Petroleum Liquids	DFO	IC
2024	3	1278	City of Barron - (WI)	Electric Utility	Barron	WI	4102	9	2.0	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	58615	NRG Homer City Services LLC	IPP	Homer City Generating Station	PA	3122	1	626.1	Conventional Steam Coal	BIT	ST
2024	4	5347	Dow Chemical Co	Industrial	LaO Energy Systems	LA	52006	GEN1	57.0	Natural Gas Fired Combined Cycle	NG	CA
2024	5	13143	Board of Water Electric & Communications	Electric Utility	Muscatine Plant #1	IA	1167	8A	14.5	Conventional Steam Coal	SUB	ST
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

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	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	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	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	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	29297	Pelican Utility	Electric Utility	Pelican	AK	6702	IC8	0.2	Petroleum Liquids	DFO	IC
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
2024	9	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GE10	0.8	Landfill Gas	LFG	IC
2024	9	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GE11	0.8	Landfill Gas	LFG	IC
2024	9	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GE12	0.8	Landfill Gas	LFG	IC
2024	9	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GE13	0.8	Landfill Gas	LFG	IC
2024	9	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GE14	0.8	Landfill Gas	LFG	IC
2024	9	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GEN5	0.8	Landfill Gas	LFG	IC
2024	9	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GEN6	0.8	Landfill Gas	LFG	IC
2024	9	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GEN7	0.8	Landfill Gas	LFG	IC
2024	9	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GEN8	0.8	Landfill Gas	LFG	IC
2024	9	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GEN9	0.8	Landfill Gas	LFG	IC
2024	10	57281	University of Cincinnati	Commercial	East Campus Utility Plant	OH	57929	STG	1.2	Natural Gas Steam Turbine	NG	ST
2024	12	5416	Duke Energy Carolinas, LLC	Electric Utility	G G Allen	NC	2718	1	162.0	Conventional Steam Coal	BIT	ST
2024	12	5416	Duke Energy Carolinas, LLC	Electric Utility	G G Allen	NC	2718	5	259.0	Conventional Steam Coal	BIT	ST
2024	12	5701	El Paso Electric Co	Electric Utility	Rio Grande	NM	2444	6	45.0	Natural Gas Steam Turbine	NG	ST
2024	12	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

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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	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	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
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	3	14328	Pacific Gas & Electric Co.	Electric Utility	Cow Creek	CA	229	1	0.9	Conventional Hydroelectric	WAT	HY
2025	3	14328	Pacific Gas & Electric Co.	Electric Utility	Cow Creek	CA	229	2	0.9	Conventional Hydroelectric	WAT	HY
2025	3	14328	Pacific Gas & Electric Co.	Electric Utility	Kilarc	CA	253	1	1.6	Conventional Hydroelectric	WAT	HY
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
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	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

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	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	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	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
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	9	13948	City of Oberlin - (KS)	Electric Utility	Oberlin (KS)	KS	1312	1	0.9	Petroleum Liquids	DFO	IC
2026	9	13948	City of Oberlin - (KS)	Electric Utility	Oberlin (KS)	KS	1312	2	0.6	Petroleum Liquids	DFO	IC
2026	9	13948	City of Oberlin - (KS)	Electric Utility	Oberlin (KS)	KS	1312	4	1.2	Petroleum Liquids	DFO	IC
2026	9	13948	City of Oberlin - (KS)	Electric Utility	Oberlin (KS)	KS	1312	5	1.3	Petroleum Liquids	DFO	IC
2026	9	13948	City of Oberlin - (KS)	Electric Utility	Oberlin (KS)	KS	1312	6	1.2	Petroleum Liquids	DFO	IC
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

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2026	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
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

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	St Croix Falls	WI	4011	1	1.8	Conventional Hydroelectric	WAT	HY
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	St Croix Falls	WI	4011	2	1.8	Conventional Hydroelectric	WAT	HY
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	St Croix Falls	WI	4011	3	1.9	Conventional Hydroelectric	WAT	HY
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	St Croix Falls	WI	4011	4	1.9	Conventional Hydroelectric	WAT	HY
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	St Croix Falls	WI	4011	5	2.0	Conventional Hydroelectric	WAT	HY
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	St Croix Falls	WI	4011	6	1.9	Conventional Hydroelectric	WAT	HY
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	St Croix Falls	WI	4011	7	2.0	Conventional Hydroelectric	WAT	HY
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	St Croix Falls	WI	4011	8	1.9	Conventional Hydroelectric	WAT	HY
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	Wilmarth	MN	1934	1	9.0	Municipal Solid Waste	MSW	ST
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	Wilmarth	MN	1934	2	9.0	Municipal Solid Waste	MSW	ST
2027	12	14354	PacifiCorp	Electric Utility	Dave Johnston	WY	4158	1	93.0	Conventional Steam Coal	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
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

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
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
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

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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
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
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

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
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
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

	Coal		Natural Gas								Petroleum					
Year/Month			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%

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%

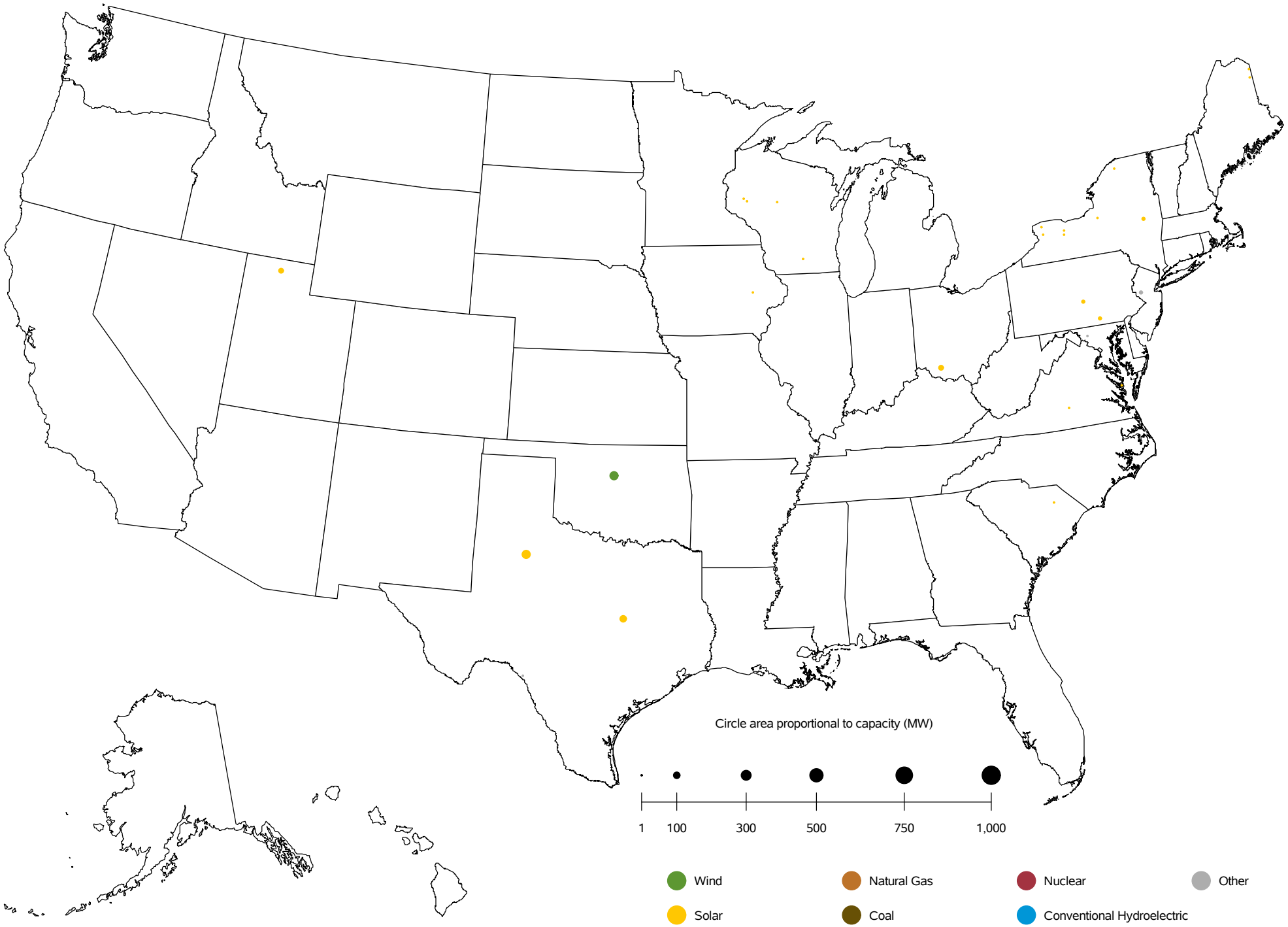
Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary.
Time adjusted capacity for month rows is the summer capacity of generators in operation for the entire month; units that began operation during the month or that retired during the month are excluded. Time adjusted capacity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

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 February 2024

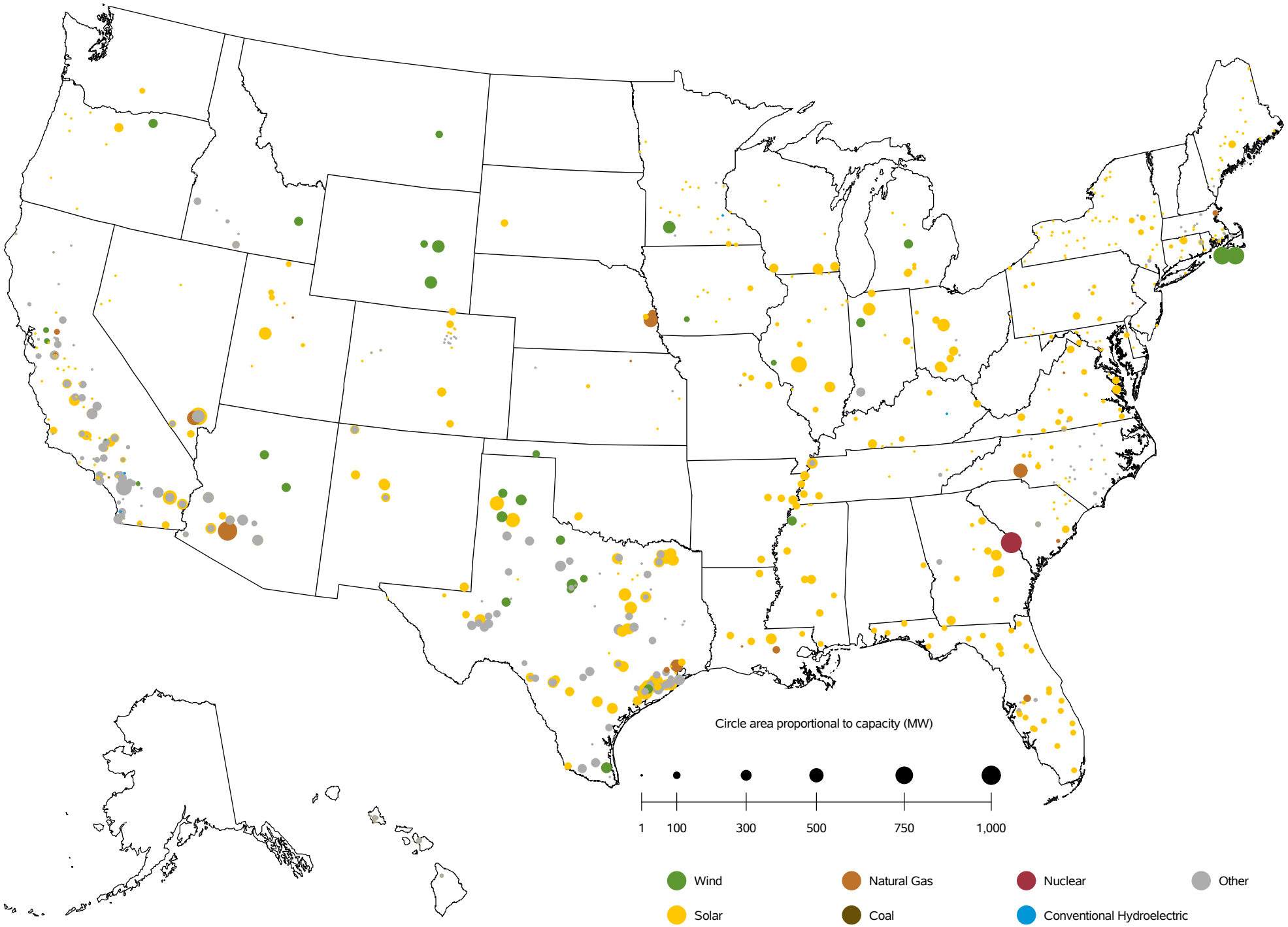


Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

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

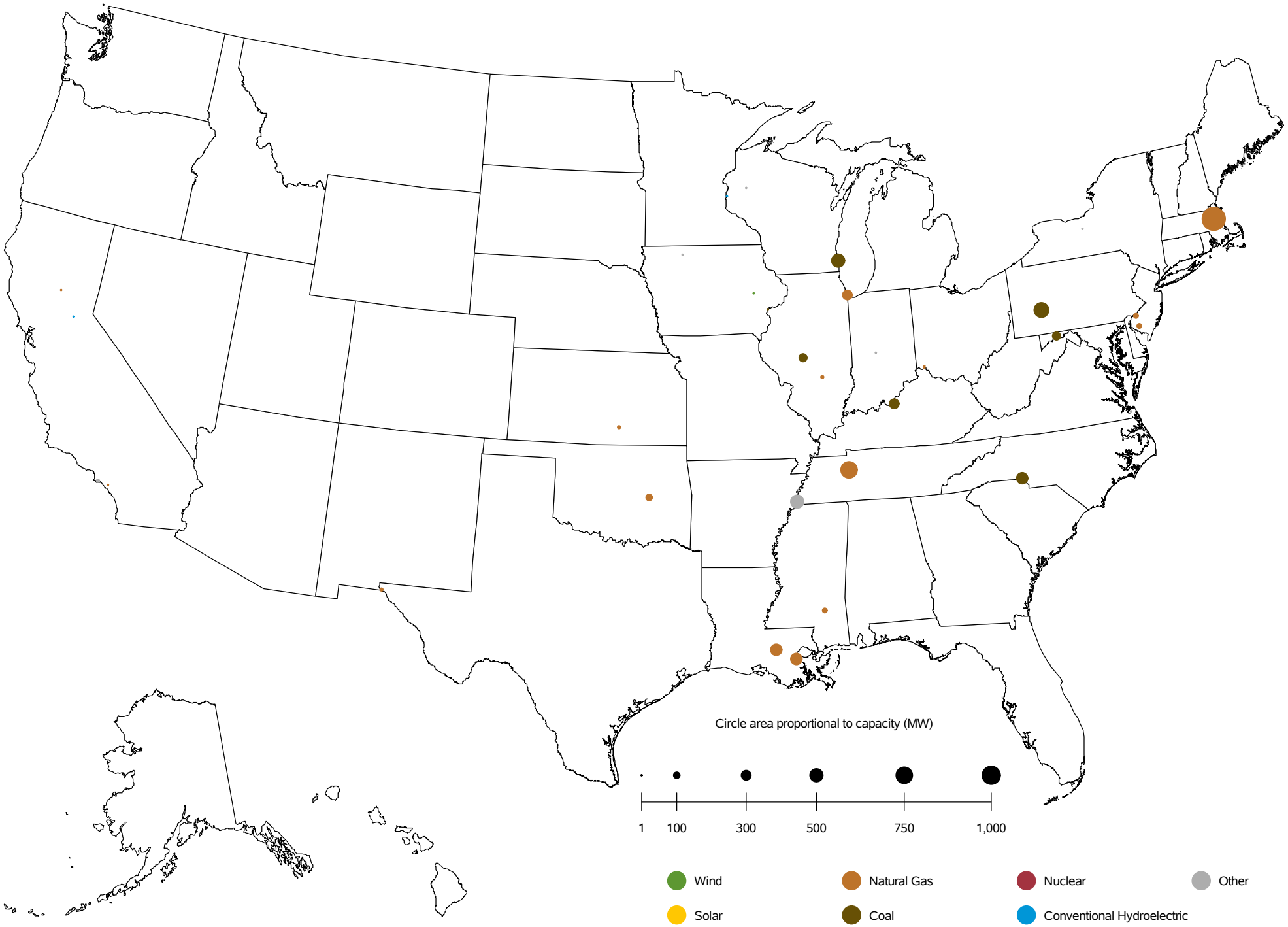
Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

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

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 - February 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
Year to Date					
2022	977	1,152	304	0	2,433
2023	905	1,132	250	0	2,287
2024	967	1,246	241	0	2,454
Rolling 12 Months Ending in February					
2023	6,652	7,492	1,714	0	15,858
2024	7,435	8,187	1,675	0	17,297

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 - February 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
Year to Date					
2022	252	323	77	0	651
2023	209	291	58	0	558
2024	209	293	53	0	555
Rolling 12 Months Ending in February					
2023	1,859	2,304	487	0	4,649
2024	1,678	1,978	385	0	4,041

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 - February 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
Rolling 12 Months Ending in February					
2023	1,372,303	127,936	589	0	1,500,828
2024	1,380,603	127,661	582	0	1,508,845

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 - February 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
Year to Date					
2022	25.81	28.03	25.19	--	26.78
2023	23.06	25.73	23.34	--	24.41
2024	21.64	23.49	22.18	--	22.63
Rolling 12 Months Ending in February					
2023	27.94	30.75	28.40	--	29.32
2024	22.57	24.16	23.00	--	23.36

Sources: U.S. Energy Information Administration, Form EIA-861M (formerly EIA-826), Monthly Electric Industry Power Report.
Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;
Form EIA-861, Annual Electric Power Industry Report

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

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, February 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**26**	**0**	**2**	**0**	**0**	**8**
Connecticut	0	53	0	1	0	0	29
Maine	0	1	0	15	0	0	10
Massachusetts	0	41	0	4	0	0	18
New Hampshire	0	19	0	0	0	0	18
Rhode Island	0	100	0	15	0	0	136
Vermont	0	35	0	0	0	0	15
Middle Atlantic	**10**	**15**	**0**	**1**	**70**	**0**	**2**
New Jersey	0	140	0	2	0	0	0
New York	0	18	0	2	0	0	2
Pennsylvania	10	22	0	1	113	0	11
East North Central	**0**	**6**	**18**	**1**	**19**	**0**	**18**
Illinois	0	4	0	3	0	0	50
Indiana	1	4	0	2	37	0	28
Michigan	0	13	0	2	0	0	41
Ohio	2	10	46	1	64	0	23
Wisconsin	0	32	0	4	0	0	32
West North Central	**0**	**6**	**0**	**7**	**0**	**0**	**13**
Iowa	0	11	0	9	0	0	51
Kansas	0	3	0	13	0	0	0
Minnesota	1	40	0	9	0	0	48
Missouri	0	8	0	13	0	0	14
Nebraska	2	46	0	37	0	0	45
North Dakota	0	4	0	28	0	0	34
South Dakota	0	92	0	26	0	0	21
South Atlantic	**1**	**6**	**0**	**1**	**0**	**0**	**6**
Delaware	0	177	0	5	0	0	0
District of Columbia	0	0	0	34	0	0	0
Florida	0	6	0	1	0	0	33
Georgia	0	18	0	2	0	0	10
Maryland	0	24	0	1	0	0	2
North Carolina	0	12	0	1	0	0	9
South Carolina	0	5	0	1	0	0	15
Virginia	0	15	0	1	0	0	17
West Virginia	2	0	0	9	0	0	13
East South Central	**0**	**5**	**0**	**1**	**0**	**0**	**4**
Alabama	0	59	0	3	0	0	5
Kentucky	0	3	0	3	0	0	6
Mississippi	0	25	0	1	0	0	0
Tennessee	0	2	0	1	0	0	6
West South Central	**0**	**15**	**0**	**1**	**5**	**0**	**7**
Arkansas	0	32	0	13	0	0	9
Louisiana	0	17	0	1	9	0	16
Oklahoma	0	8	0	2	0	0	13
Texas	0	21	0	1	3	0	26
Mountain	**1**	**11**	**0**	**1**	**12**	**0**	**9**
Arizona	0	4	0	1	0	0	7
Colorado	0	44	0	2	0	0	38
Idaho	305	0	0	13	0	0	17
Montana	4	30	0	26	0	0	16
Nevada	0	0	0	0	0	0	8
New Mexico	0	125	0	3	0	0	105
Utah	0	8	0	3	0	0	53
Wyoming	3	2	0	7	12	0	51
Pacific Contiguous	**0**	**10**	**0**	**1**	**7**	**0**	**3**
California	0	4	0	1	8	0	7
Oregon	0	426	0	4	0	0	5
Washington	0	55	0	5	0	0	2
Pacific Noncontiguous	**17**	**1**	**0**	**22**	**0**	**0**	**35**
Alaska	17	3	0	22	0	0	36
Hawaii	0	1	0	0	0	0	124
U.S. Total	**0**	**1**	**14**	**0**	**9**	**0**	**2**

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

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

Total (All Sectors) by Census Division and State, February 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	10	7	0	0	0
Maine	0	0	0	10	5	0	0	5
Massachusetts	0	0	0	6	4	0	0	3
New Hampshire	0	0	0	140	22	0	0	2
Rhode Island	0	0	0	11	6	0	0	12
Vermont	0	0	0	16	11	0	0	10
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	2	0	2	1
Pennsylvania	0	0	0	8	3	0	0	1
East North Central	**0**	**0**	**0**	**1**	**1**	**0**	**3**	**0**
Illinois	0	0	0	3	1	0	0	1
Indiana	0	0	0	3	2	0	0	1
Michigan	0	0	0	5	2	0	24	1
Ohio	0	0	0	1	1	0	0	1
Wisconsin	0	0	0	2	3	0	35	2
West North Central	**0**	**0**	**0**	**4**	**1**	**0**	**7**	**1**
Iowa	0	0	0	5	1	0	0	1
Kansas	0	0	0	24	2	0	0	1
Minnesota	0	0	0	6	2	0	6	3
Missouri	0	0	0	19	1	0	0	1
Nebraska	0	0	0	32	2	0	0	2
North Dakota	0	0	0	0	2	0	117	2
South Dakota	0	0	0	2	1	0	0	5
South Atlantic	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0**
Delaware	0	0	0	10	17	0	0	5
District of Columbia	0	0	0	54	14	0	0	21
Florida	0	0	0	0	1	0	0	1
Georgia	0	0	0	1	2	0	0	1
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	57	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	18	0	0	1
Mississippi	0	0	0	2	4	0	0	1
Tennessee	0	0	0	3	3	0	0	1
West South Central	**0**	**0**	**0**	**0**	**1**	**0**	**3**	**1**
Arkansas	0	0	0	1	4	0	0	3
Louisiana	0	0	0	4	7	0	28	1
Oklahoma	0	0	0	29	2	0	0	1
Texas	0	0	0	0	1	0	2	1
Mountain	**0**	**14**	**0**	**1**	**1**	**0**	**1**	**1**
Arizona	0	0	0	2	2	0	0	0
Colorado	0	0	0	2	2	0	0	1
Idaho	0	88	0	5	5	0	0	8
Montana	0	0	0	0	1	0	0	4
Nevada	0	14	0	1	6	0	0	2
New Mexico	0	0	0	3	1	0	0	1
Utah	0	42	0	2	5	0	20	2
Wyoming	0	0	0	0	2	0	0	2
Pacific Contiguous	**0**	**9**	**0**	**1**	**2**	**0**	**0**	**1**
California	0	9	0	1	2	0	0	1
Oregon	0	60	0	5	3	0	0	3
Washington	0	0	0	8	3	0	0	2
Pacific Noncontiguous	**0**	**55**	**0**	**6**	**11**	**0**	**0**	**6**
Alaska	0	0	0	96	22	0	0	13
Hawaii	0	55	0	6	12	0	0	3
U.S. Total	**0**	**10**	**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 February 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**26**	**0**	**2**	**0**	**0**	**8**
Connecticut	0	53	0	1	0	0	29
Maine	0	1	0	15	0	0	10
Massachusetts	0	41	0	4	0	0	18
New Hampshire	0	19	0	0	0	0	18
Rhode Island	0	100	0	15	0	0	136
Vermont	0	35	0	0	0	0	15
Middle Atlantic	**10**	**15**	**0**	**1**	**70**	**0**	**2**
New Jersey	0	140	0	2	0	0	0
New York	0	18	0	2	0	0	2
Pennsylvania	10	22	0	1	113	0	11
East North Central	**0**	**6**	**18**	**1**	**19**	**0**	**18**
Illinois	0	4	0	3	0	0	50
Indiana	1	4	0	2	37	0	28
Michigan	0	13	0	2	0	0	41
Ohio	2	10	46	1	64	0	23
Wisconsin	0	32	0	4	0	0	32
West North Central	**0**	**6**	**0**	**7**	**0**	**0**	**13**
Iowa	0	11	0	9	0	0	51
Kansas	0	3	0	13	0	0	0
Minnesota	1	40	0	9	0	0	48
Missouri	0	8	0	13	0	0	14
Nebraska	2	46	0	37	0	0	45
North Dakota	0	4	0	28	0	0	34
South Dakota	0	92	0	26	0	0	21
South Atlantic	**1**	**6**	**0**	**1**	**0**	**0**	**6**
Delaware	0	177	0	5	0	0	0
District of Columbia	0	0	0	34	0	0	0
Florida	0	6	0	1	0	0	33
Georgia	0	18	0	2	0	0	10
Maryland	0	24	0	1	0	0	2
North Carolina	0	12	0	1	0	0	9
South Carolina	0	5	0	1	0	0	15
Virginia	0	15	0	1	0	0	17
West Virginia	2	0	0	9	0	0	13
East South Central	**0**	**5**	**0**	**1**	**0**	**0**	**4**
Alabama	0	59	0	3	0	0	5
Kentucky	0	3	0	3	0	0	6
Mississippi	0	25	0	1	0	0	0
Tennessee	0	2	0	1	0	0	6
West South Central	**0**	**15**	**0**	**1**	**5**	**0**	**7**
Arkansas	0	32	0	13	0	0	9
Louisiana	0	17	0	1	9	0	16
Oklahoma	0	8	0	2	0	0	13
Texas	0	21	0	1	3	0	26
Mountain	**1**	**11**	**0**	**1**	**12**	**0**	**9**
Arizona	0	4	0	1	0	0	7
Colorado	0	44	0	2	0	0	38
Idaho	305	0	0	13	0	0	17
Montana	4	30	0	26	0	0	16
Nevada	0	0	0	0	0	0	8
New Mexico	0	125	0	3	0	0	105
Utah	0	8	0	3	0	0	53
Wyoming	3	2	0	7	12	0	51
Pacific Contiguous	**0**	**10**	**0**	**1**	**7**	**0**	**3**
California	0	4	0	1	8	0	7
Oregon	0	426	0	4	0	0	5
Washington	0	55	0	5	0	0	2
Pacific Noncontiguous	**17**	**1**	**0**	**22**	**0**	**0**	**35**
Alaska	17	3	0	22	0	0	36
Hawaii	0	1	0	0	0	0	124
U.S. Total	**0**	**1**	**14**	**0**	**9**	**0**	**2**

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

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

Total (All Sectors) by Census Division and State, Year-to-Date through February 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	10	7	0	0	0
Maine	0	0	0	10	5	0	0	5
Massachusetts	0	0	0	6	4	0	0	3
New Hampshire	0	0	0	140	22	0	0	2
Rhode Island	0	0	0	11	6	0	0	12
Vermont	0	0	0	16	11	0	0	10
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	2	0	2	1
Pennsylvania	0	0	0	8	3	0	0	1
East North Central	**0**	**0**	**0**	**1**	**1**	**0**	**3**	**0**
Illinois	0	0	0	3	1	0	0	1
Indiana	0	0	0	3	2	0	0	1
Michigan	0	0	0	5	2	0	24	1
Ohio	0	0	0	1	1	0	0	1
Wisconsin	0	0	0	2	3	0	35	2
West North Central	**0**	**0**	**0**	**4**	**1**	**0**	**7**	**1**
Iowa	0	0	0	5	1	0	0	1
Kansas	0	0	0	24	2	0	0	1
Minnesota	0	0	0	6	2	0	6	3
Missouri	0	0	0	19	1	0	0	1
Nebraska	0	0	0	32	2	0	0	2
North Dakota	0	0	0	0	2	0	117	2
South Dakota	0	0	0	2	1	0	0	5
South Atlantic	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0**
Delaware	0	0	0	10	17	0	0	5
District of Columbia	0	0	0	54	14	0	0	21
Florida	0	0	0	0	1	0	0	1
Georgia	0	0	0	1	2	0	0	1
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	57	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	18	0	0	1
Mississippi	0	0	0	2	4	0	0	1
Tennessee	0	0	0	3	3	0	0	1
West South Central	**0**	**0**	**0**	**0**	**1**	**0**	**3**	**1**
Arkansas	0	0	0	1	4	0	0	3
Louisiana	0	0	0	4	7	0	28	1
Oklahoma	0	0	0	29	2	0	0	1
Texas	0	0	0	0	1	0	2	1
Mountain	**0**	**14**	**0**	**1**	**1**	**0**	**1**	**1**
Arizona	0	0	0	2	2	0	0	0
Colorado	0	0	0	2	2	0	0	1
Idaho	0	88	0	5	5	0	0	8
Montana	0	0	0	0	1	0	0	4
Nevada	0	14	0	1	6	0	0	2
New Mexico	0	0	0	3	1	0	0	1
Utah	0	42	0	2	5	0	20	2
Wyoming	0	0	0	0	2	0	0	2
Pacific Contiguous	**0**	**9**	**0**	**1**	**2**	**0**	**0**	**1**
California	0	9	0	1	2	0	0	1
Oregon	0	60	0	5	3	0	0	3
Washington	0	0	0	8	3	0	0	2
Pacific Noncontiguous	**0**	**55**	**0**	**6**	**11**	**0**	**0**	**6**
Alaska	0	0	0	96	22	0	0	13
Hawaii	0	55	0	6	12	0	0	3
U.S. Total	**0**	**10**	**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, February 2024

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**0**	**0**	**1**	**.**	**0**
Connecticut	0	1	0	.	0
Maine	0	0	0	.	0
Massachusetts	0	1	2	.	0
New Hampshire	0	0	0	.	0
Rhode Island	0	0	0	.	0
Vermont	3	2	0	.	2
Middle Atlantic	**1**	**0**	**2**	**.**	**0**
New Jersey	0	0	1	.	0
New York	0	0	1	.	0
Pennsylvania	3	5	4	.	3
East North Central	**1**	**1**	**4**	**.**	**1**
Illinois	1	1	47	.	1
Indiana	6	1	22	.	3
Michigan	3	4	54	.	2
Ohio	4	1	1	.	2
Wisconsin	5	4	8	.	3
West North Central	**2**	**2**	**7**	**.**	**1**
Iowa	4	3	5	.	3
Kansas	4	5	0	.	3
Minnesota	5	5	6	.	4
Missouri	3	2	31	.	2
Nebraska	6	15	0	.	6
North Dakota	0	169	0	.	71
South Dakota	0	0	0	.	0
South Atlantic	**1**	**3**	**14**	**.**	**1**
Delaware	6	6	109	.	8
District of Columbia	0	0	0	.	0
Florida	2	9	9	.	2
Georgia	31	28	0	.	24
Maryland	1	4	43	.	2
North Carolina	4	7	0	.	4
South Carolina	6	11	0	.	5
Virginia	4	4	12	.	3
West Virginia	0	0	0	.	0
East South Central	**2**	**5**	**38**	**.**	**2**
Alabama	0	0	0	.	0
Kentucky	2	6	0	.	2
Mississippi	6	10	207	.	6
Tennessee	0	0	0	.	0
West South Central	**3**	**3**	**18**	**.**	**2**
Arkansas	6	5	19	.	4
Louisiana	5	9	0	.	4
Oklahoma	7	7	0	.	6
Texas	4	4	217	.	3
Mountain	**0**	**0**	**14**	**.**	**0**
Arizona	1	0	0	.	0
Colorado	2	1	46	.	2
Idaho	2	3	0	.	1
Montana	3	0	0	.	3
Nevada	0	0	0	.	0
New Mexico	3	1	0	.	2
Utah	1	1	0	.	1
Wyoming	4	0	0	.	4
Pacific Contiguous	**0**	**0**	**0**	**.**	**0**
California	0	0	0	.	0
Oregon	1	1	4	.	1
Washington	2	3	17	.	2
Pacific Noncontiguous	**0**	**0**	**0**	**.**	**0**
Alaska	0	0	0	.	0
Hawaii	0	0	0	.	0
U.S. Total	**0**	**0**	**1**	**.**	**0**

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

Table A.2.A. Relative Standard Error (Percent) for Net Generation by Fuel Type: Electric Utilities by Census Division and State, February 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**35**	**0**	**0**	**0**	**0**	**20**
Connecticut	0	50	0	0	0	0	28
Maine	0	0	0	0	0	0	583
Massachusetts	0	60	0	0	0	0	37
New Hampshire	0	0	0	0	0	0	159
Rhode Island	0	0	0	0	0	0	0
Vermont	0	35	0	0	0	0	25
Middle Atlantic	**0**	**52**	**0**	**6**	**0**	**0**	**1**
New Jersey	0	0	0	171	0	0	0
New York	0	52	0	6	0	0	1
Pennsylvania	0	92	0	0	0	0	0
East North Central	**1**	**9**	**0**	**3**	**0**	**0**	**20**
Illinois	0	48	0	0	0	0	60
Indiana	1	4	0	5	0	0	27
Michigan	0	13	0	5	0	0	43
Ohio	6	23	0	6	0	0	28
Wisconsin	0	41	0	4	0	0	35
West North Central	**0**	**6**	**0**	**8**	**0**	**0**	**13**
Iowa	0	11	0	10	0	0	51
Kansas	0	3	0	14	0	0	0
Minnesota	0	46	0	11	0	0	62
Missouri	0	8	0	19	0	0	14
Nebraska	2	46	0	38	0	0	45
North Dakota	0	4	0	28	0	0	34
South Dakota	0	93	0	27	0	0	21
South Atlantic	**0**	**4**	**0**	**1**	**0**	**0**	**8**
Delaware	0	0	0	0	0	0	0
Florida	0	6	0	1	0	0	33
Georgia	0	22	0	2	0	0	10
Maryland	0	57	0	0	0	0	0
North Carolina	0	10	0	1	0	0	9
South Carolina	0	6	0	1	0	0	14
Virginia	0	24	0	2	0	0	17
West Virginia	0	0	0	0	0	0	19
East South Central	**0**	**2**	**0**	**1**	**0**	**0**	**4**
Alabama	0	8	0	5	0	0	5
Kentucky	0	3	0	4	0	0	6
Mississippi	0	25	0	1	0	0	0
Tennessee	0	2	0	0	0	0	6
West South Central	**0**	**14**	**0**	**2**	**0**	**0**	**8**
Arkansas	0	32	0	14	0	0	9
Louisiana	0	17	0	1	0	0	0
Oklahoma	0	10	0	3	0	0	13
Texas	0	32	0	4	0	0	28
Mountain	**1**	**12**	**0**	**1**	**0**	**0**	**8**
Arizona	0	4	0	1	0	0	7
Colorado	0	44	0	2	0	0	41
Idaho	0	0	0	14	0	0	17
Montana	0	284	0	31	0	0	16
Nevada	0	0	0	0	0	0	0
New Mexico	0	125	0	4	0	0	105
Utah	0	8	0	2	0	0	56
Wyoming	3	2	0	9	0	0	51
Pacific Contiguous	**0**	**21**	**0**	**3**	**0**	**0**	**2**
California	0	17	0	1	0	0	7
Oregon	0	503	0	7	0	0	5
Washington	0	194	0	6	0	0	2
Pacific Noncontiguous	**18**	**1**	**0**	**22**	**0**	**0**	**38**
Alaska	18	3	0	22	0	0	38
Hawaii	0	1	0	0	0	0	0
U.S. Total	**0**	**1**	**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, February 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**	**5**	**0**	**0**	**10**
Connecticut	0	0	0	0	0	0	0	14
Maine	0	0	0	0	0	0	0	583
Massachusetts	0	0	0	25	19	0	0	25
New Hampshire	0	0	0	0	0	0	0	159
Rhode Island	0	0	0	0	0	0	0	0
Vermont	0	0	0	6	5	0	0	11
Middle Atlantic	**0**	**0**	**0**	**24**	**7**	**0**	**0**	**2**
New Jersey	0	0	0	24	24	0	0	66
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**	**33**	**1**
Illinois	0	0	0	42	32	0	0	1
Indiana	0	0	0	4	6	0	0	2
Michigan	0	0	0	19	2	0	0	2
Ohio	0	0	0	96	85	0	0	4
Wisconsin	0	0	0	2	4	0	35	3
West North Central	**0**	**0**	**0**	**8**	**1**	**0**	**10**	**1**
Iowa	0	0	0	8	1	0	0	2
Kansas	0	0	0	71	5	0	0	2
Minnesota	0	0	0	18	3	0	0	3
Missouri	0	0	0	46	1	0	0	2
Nebraska	0	0	0	102	27	0	0	3
North Dakota	0	0	0	0	4	0	117	2
South Dakota	0	0	0	0	6	0	0	11
South Atlantic	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**
Delaware	0	0	0	107	107	0	0	107
District of Columbia	0	0	0	203	203	0	0	203
Florida	0	0	0	0	0	0	0	1
Georgia	0	0	0	5	5	0	0	1
Maryland	0	0	0	94	94	0	0	0
North Carolina	0	0	0	7	7	0	0	1
South Carolina	0	0	0	98	34	0	0	0
Virginia	0	0	0	3	9	0	0	1
West Virginia	0	0	0	57	57	0	0	0
East South Central	**0**	**0**	**0**	**10**	**15**	**0**	**0**	**1**
Alabama	0	0	0	53	53	0	0	2
Kentucky	0	0	0	34	34	0	0	1
Mississippi	0	0	0	4	4	0	0	1
Tennessee	0	0	0	169	169	0	0	1
West South Central	**0**	**0**	**0**	**9**	**6**	**0**	**0**	**1**
Arkansas	0	0	0	6	6	0	0	3
Louisiana	0	0	0	43	43	0	0	1
Oklahoma	0	0	0	30	6	0	0	3
Texas	0	0	0	72	37	0	0	3
Mountain	**0**	**57**	**0**	**6**	**2**	**0**	**11**	**1**
Arizona	0	0	0	10	10	0	0	1
Colorado	0	0	0	78	3	0	0	1
Idaho	0	0	0	0	14	0	0	11
Montana	0	0	0	0	5	0	0	13
Nevada	0	0	0	9	9	0	0	0
New Mexico	0	0	0	14	1	0	0	2
Utah	0	57	0	59	52	0	57	2
Wyoming	0	0	0	0	3	0	0	2
Pacific Contiguous	**0**	**0**	**0**	**14**	**4**	**0**	**0**	**1**
California	0	0	0	14	9	0	0	3
Oregon	0	0	0	116	5	0	0	4
Washington	0	0	0	103	5	0	0	2
Pacific Noncontiguous	**0**	**0**	**0**	**20**	**22**	**0**	**0**	**8**
Alaska	0	0	0	278	37	0	0	15
Hawaii	0	0	0	20	17	0	0	1
U.S. Total	**0**	**21**	**0**	**1**	**1**	**0**	**4**	**0**

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

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**35**	**0**	**0**	**0**	**0**	**20**
Connecticut	0	50	0	0	0	0	28
Maine	0	0	0	0	0	0	583
Massachusetts	0	60	0	0	0	0	37
New Hampshire	0	0	0	0	0	0	159
Rhode Island	0	0	0	0	0	0	0
Vermont	0	35	0	0	0	0	25
Middle Atlantic	**0**	**52**	**0**	**6**	**0**	**0**	**1**
New Jersey	0	0	0	171	0	0	0
New York	0	52	0	6	0	0	1
Pennsylvania	0	92	0	0	0	0	0
East North Central	**1**	**9**	**0**	**3**	**0**	**0**	**20**
Illinois	0	48	0	0	0	0	60
Indiana	1	4	0	5	0	0	27
Michigan	0	13	0	5	0	0	43
Ohio	6	23	0	6	0	0	28
Wisconsin	0	41	0	4	0	0	35
West North Central	**0**	**6**	**0**	**8**	**0**	**0**	**13**
Iowa	0	11	0	10	0	0	51
Kansas	0	3	0	14	0	0	0
Minnesota	0	46	0	11	0	0	62
Missouri	0	8	0	19	0	0	14
Nebraska	2	46	0	38	0	0	45
North Dakota	0	4	0	28	0	0	34
South Dakota	0	93	0	27	0	0	21
South Atlantic	**0**	**4**	**0**	**1**	**0**	**0**	**8**
Delaware	0	0	0	0	0	0	0
Florida	0	6	0	1	0	0	33
Georgia	0	22	0	2	0	0	10
Maryland	0	57	0	0	0	0	0
North Carolina	0	10	0	1	0	0	9
South Carolina	0	6	0	1	0	0	14
Virginia	0	24	0	2	0	0	17
West Virginia	0	0	0	0	0	0	19
East South Central	**0**	**2**	**0**	**1**	**0**	**0**	**4**
Alabama	0	8	0	5	0	0	5
Kentucky	0	3	0	4	0	0	6
Mississippi	0	25	0	1	0	0	0
Tennessee	0	2	0	0	0	0	6
West South Central	**0**	**14**	**0**	**2**	**0**	**0**	**8**
Arkansas	0	32	0	14	0	0	9
Louisiana	0	17	0	1	0	0	0
Oklahoma	0	10	0	3	0	0	13
Texas	0	32	0	4	0	0	28
Mountain	**1**	**12**	**0**	**1**	**0**	**0**	**8**
Arizona	0	4	0	1	0	0	7
Colorado	0	44	0	2	0	0	41
Idaho	0	0	0	14	0	0	17
Montana	0	284	0	31	0	0	16
Nevada	0	0	0	0	0	0	0
New Mexico	0	125	0	4	0	0	105
Utah	0	8	0	2	0	0	56
Wyoming	3	2	0	9	0	0	51
Pacific Contiguous	**0**	**21**	**0**	**3**	**0**	**0**	**2**
California	0	17	0	1	0	0	7
Oregon	0	503	0	7	0	0	5
Washington	0	194	0	6	0	0	2
Pacific Noncontiguous	**18**	**1**	**0**	**22**	**0**	**0**	**38**
Alaska	18	3	0	22	0	0	38
Hawaii	0	1	0	0	0	0	0
U.S. Total	**0**	**1**	**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 February 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**	**5**	**0**	**0**	**10**
Connecticut	0	0	0	0	0	0	0	14
Maine	0	0	0	0	0	0	0	583
Massachusetts	0	0	0	25	19	0	0	25
New Hampshire	0	0	0	0	0	0	0	159
Rhode Island	0	0	0	0	0	0	0	0
Vermont	0	0	0	6	5	0	0	11
Middle Atlantic	**0**	**0**	**0**	**24**	**7**	**0**	**0**	**2**
New Jersey	0	0	0	24	24	0	0	66
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**	**33**	**1**
Illinois	0	0	0	42	32	0	0	1
Indiana	0	0	0	4	6	0	0	2
Michigan	0	0	0	19	2	0	0	2
Ohio	0	0	0	96	85	0	0	4
Wisconsin	0	0	0	2	4	0	35	3
West North Central	**0**	**0**	**0**	**8**	**1**	**0**	**10**	**1**
Iowa	0	0	0	8	1	0	0	2
Kansas	0	0	0	71	5	0	0	2
Minnesota	0	0	0	18	3	0	0	3
Missouri	0	0	0	46	1	0	0	2
Nebraska	0	0	0	102	27	0	0	3
North Dakota	0	0	0	0	4	0	117	2
South Dakota	0	0	0	0	6	0	0	11
South Atlantic	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**
Delaware	0	0	0	107	107	0	0	107
District of Columbia	0	0	0	203	203	0	0	203
Florida	0	0	0	0	0	0	0	1
Georgia	0	0	0	5	5	0	0	1
Maryland	0	0	0	94	94	0	0	0
North Carolina	0	0	0	7	7	0	0	1
South Carolina	0	0	0	98	34	0	0	0
Virginia	0	0	0	3	9	0	0	1
West Virginia	0	0	0	57	57	0	0	0
East South Central	**0**	**0**	**0**	**10**	**15**	**0**	**0**	**1**
Alabama	0	0	0	53	53	0	0	2
Kentucky	0	0	0	34	34	0	0	1
Mississippi	0	0	0	4	4	0	0	1
Tennessee	0	0	0	169	169	0	0	1
West South Central	**0**	**0**	**0**	**9**	**6**	**0**	**0**	**1**
Arkansas	0	0	0	6	6	0	0	3
Louisiana	0	0	0	43	43	0	0	1
Oklahoma	0	0	0	30	6	0	0	3
Texas	0	0	0	72	37	0	0	3
Mountain	**0**	**57**	**0**	**6**	**2**	**0**	**11**	**1**
Arizona	0	0	0	10	10	0	0	1
Colorado	0	0	0	78	3	0	0	1
Idaho	0	0	0	0	14	0	0	11
Montana	0	0	0	0	5	0	0	13
Nevada	0	0	0	9	9	0	0	0
New Mexico	0	0	0	14	1	0	0	2
Utah	0	57	0	59	52	0	57	2
Wyoming	0	0	0	0	3	0	0	2
Pacific Contiguous	**0**	**0**	**0**	**14**	**4**	**0**	**0**	**1**
California	0	0	0	14	9	0	0	3
Oregon	0	0	0	116	5	0	0	4
Washington	0	0	0	103	5	0	0	2
Pacific Noncontiguous	**0**	**0**	**0**	**20**	**22**	**0**	**0**	**8**
Alaska	0	0	0	278	37	0	0	15
Hawaii	0	0	0	20	17	0	0	1
U.S. Total	**0**	**21**	**0**	**1**	**1**	**0**	**4**	**0**

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

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

Independent Power Producers by Census Division and State, February 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**39**	**0**	**2**	**0**	**0**	**8**
Connecticut	0	58	0	0	0	0	32
Maine	0	1	0	16	0	0	10
Massachusetts	0	101	0	4	0	0	20
New Hampshire	0	1,816	0	0	0	0	18
Rhode Island	0	130	0	15	0	0	136
Vermont	0	0	0	0	0	0	19
Middle Atlantic	**10**	**16**	**0**	**1**	**0**	**0**	**9**
New Jersey	0	141	0	2	0	0	0
New York	0	18	0	2	0	0	9
Pennsylvania	10	29	0	1	0	0	11
East North Central	**0**	**7**	**46**	**1**	**20**	**0**	**43**
Illinois	0	2	0	4	0	0	87
Indiana	0	0	0	1	0	0	0
Michigan	0	0	0	1	0	0	153
Ohio	0	12	46	1	100	0	38
Wisconsin	0	0	0	0	0	0	152
West North Central	**0**	**160**	**0**	**12**	**0**	**0**	**94**
Iowa	0	98	0	1,853	0	0	0
Kansas	0	0	0	0	0	0	0
Minnesota	0	285	0	18	0	0	105
Missouri	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0
South Atlantic	**12**	**20**	**0**	**2**	**0**	**0**	**6**
Delaware	0	177	0	7	0	0	0
Florida	0	116	0	6	0	0	0
Georgia	0	11	0	6	0	0	192
Maryland	0	24	0	1	0	0	2
North Carolina	0	126	0	8	0	0	19
South Carolina	0	337	0	50	0	0	70
Virginia	0	23	0	2	0	0	39
West Virginia	14	0	0	14	0	0	26
East South Central	**0**	**177**	**0**	**0**	**0**	**0**	**18**
Alabama	0	177	0	0	0	0	0
Kentucky	0	0	0	0	0	0	138
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	18
West South Central	**0**	**25**	**0**	**1**	**0**	**0**	**15**
Arkansas	0	0	0	0	0	0	45
Louisiana	0	0	0	1	0	0	16
Oklahoma	0	0	0	0	0	0	0
Texas	0	25	0	1	0	0	0
Mountain	**3**	**18**	**0**	**4**	**0**	**0**	**41**
Arizona	0	0	0	0	0	0	0
Colorado	0	0	0	11	0	0	101
Idaho	0	0	0	29	0	0	53
Montana	4	20	0	19	0	0	136
Nevada	0	0	0	0	0	0	96
New Mexico	0	0	0	4	0	0	0
Utah	0	0	0	148	0	0	0
Wyoming	0	0	0	0	0	0	0
Pacific Contiguous	**0**	**8**	**0**	**1**	**0**	**0**	**35**
California	0	0	0	1	0	0	41
Oregon	0	0	0	1	0	0	98
Washington	0	14	0	10	0	0	85
Pacific Noncontiguous	**74**	**0**	**0**	**0**	**0**	**0**	**0**
Alaska	74	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**2**	**4**	**25**	**0**	**14**	**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, February 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**	**5**	**0**	**0**	**1**
Connecticut	0	0	0	10	7	0	0	0
Maine	0	0	0	10	6	0	0	5
Massachusetts	0	0	0	6	5	0	0	3
New Hampshire	0	0	0	140	23	0	0	2
Rhode Island	0	0	0	11	6	0	0	13
Vermont	0	0	0	21	23	0	0	15
Middle Atlantic	**0**	**0**	**0**	**4**	**2**	**0**	**0**	**1**
New Jersey	0	0	0	7	6	0	0	1
New York	0	0	0	6	3	0	0	1
Pennsylvania	0	0	0	8	4	0	0	1
East North Central	**0**	**0**	**0**	**1**	**1**	**0**	**35**	**0**
Illinois	0	0	0	3	1	0	0	1
Indiana	0	0	0	5	2	0	0	1
Michigan	0	0	0	5	4	0	49	1
Ohio	0	0	0	1	1	0	0	1
Wisconsin	0	0	0	11	4	0	0	1
West North Central	**0**	**0**	**0**	**5**	**1**	**0**	**0**	**1**
Iowa	0	0	0	5	1	0	0	1
Kansas	0	0	0	23	2	0	0	2
Minnesota	0	0	0	6	2	0	0	4
Missouri	0	0	0	21	1	0	0	1
Nebraska	0	0	0	33	2	0	0	2
North Dakota	0	0	0	0	2	0	0	2
South Dakota	0	0	0	2	1	0	0	1
South Atlantic	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**1**
Delaware	0	0	0	9	18	0	0	7
District of Columbia	0	0	0	56	56	0	0	56
Florida	0	0	0	3	3	0	0	4
Georgia	0	0	0	1	2	0	0	3
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	6	0	0	9
Virginia	0	0	0	2	5	0	0	2
West Virginia	0	0	0	0	1	0	0	9
East South Central	**0**	**0**	**0**	**1**	**2**	**0**	**0**	**1**
Alabama	0	0	0	2	3	0	0	0
Kentucky	0	0	0	8	14	0	0	24
Mississippi	0	0	0	2	3	0	0	1
Tennessee	0	0	0	3	5	0	0	9
West South Central	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**1**
Arkansas	0	0	0	1	3	0	0	1
Louisiana	0	0	0	3	6	0	0	3
Oklahoma	0	0	0	149	2	0	0	1
Texas	0	0	0	0	1	0	0	1
Mountain	**0**	**14**	**0**	**1**	**1**	**0**	**0**	**1**
Arizona	0	0	0	1	2	0	0	1
Colorado	0	0	0	2	3	0	0	3
Idaho	0	88	0	7	6	0	0	12
Montana	0	0	0	0	1	0	0	2
Nevada	0	14	0	1	6	0	0	5
New Mexico	0	0	0	2	2	0	0	1
Utah	0	57	0	1	4	0	0	4
Wyoming	0	0	0	0	2	0	0	2
Pacific Contiguous	**0**	**10**	**0**	**1**	**2**	**0**	**0**	**1**
California	0	9	0	1	2	0	0	1
Oregon	0	60	0	5	3	0	0	2
Washington	0	0	0	7	4	0	0	4
Pacific Noncontiguous	**0**	**55**	**0**	**6**	**13**	**0**	**0**	**8**
Alaska	0	0	0	102	41	0	0	50
Hawaii	0	55	0	6	13	0	0	7
U.S. Total	**0**	**10**	**0**	**1**	**1**	**0**	**0**	**0**

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

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

Independent Power Producers by Census Division and State, Year-to-Date through February 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**39**	**0**	**2**	**0**	**0**	**8**
Connecticut	0	58	0	0	0	0	32
Maine	0	1	0	16	0	0	10
Massachusetts	0	101	0	4	0	0	20
New Hampshire	0	1,816	0	0	0	0	18
Rhode Island	0	130	0	15	0	0	136
Vermont	0	0	0	0	0	0	19
Middle Atlantic	**10**	**16**	**0**	**1**	**0**	**0**	**9**
New Jersey	0	141	0	2	0	0	0
New York	0	18	0	2	0	0	9
Pennsylvania	10	29	0	1	0	0	11
East North Central	**0**	**7**	**46**	**1**	**20**	**0**	**43**
Illinois	0	2	0	4	0	0	87
Indiana	0	0	0	1	0	0	0
Michigan	0	0	0	1	0	0	153
Ohio	0	12	46	1	100	0	38
Wisconsin	0	0	0	0	0	0	152
West North Central	**0**	**160**	**0**	**12**	**0**	**0**	**94**
Iowa	0	98	0	1,853	0	0	0
Kansas	0	0	0	0	0	0	0
Minnesota	0	285	0	18	0	0	105
Missouri	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0
South Atlantic	**12**	**20**	**0**	**2**	**0**	**0**	**6**
Delaware	0	177	0	7	0	0	0
Florida	0	116	0	6	0	0	0
Georgia	0	11	0	6	0	0	192
Maryland	0	24	0	1	0	0	2
North Carolina	0	126	0	8	0	0	19
South Carolina	0	337	0	50	0	0	70
Virginia	0	23	0	2	0	0	39
West Virginia	14	0	0	14	0	0	26
East South Central	**0**	**177**	**0**	**0**	**0**	**0**	**18**
Alabama	0	177	0	0	0	0	0
Kentucky	0	0	0	0	0	0	138
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	18
West South Central	**0**	**25**	**0**	**1**	**0**	**0**	**15**
Arkansas	0	0	0	0	0	0	45
Louisiana	0	0	0	1	0	0	16
Oklahoma	0	0	0	0	0	0	0
Texas	0	25	0	1	0	0	0
Mountain	**3**	**18**	**0**	**4**	**0**	**0**	**41**
Arizona	0	0	0	0	0	0	0
Colorado	0	0	0	11	0	0	101
Idaho	0	0	0	29	0	0	53
Montana	4	20	0	19	0	0	136
Nevada	0	0	0	0	0	0	96
New Mexico	0	0	0	4	0	0	0
Utah	0	0	0	148	0	0	0
Wyoming	0	0	0	0	0	0	0
Pacific Contiguous	**0**	**8**	**0**	**1**	**0**	**0**	**35**
California	0	0	0	1	0	0	41
Oregon	0	0	0	1	0	0	98
Washington	0	14	0	10	0	0	85
Pacific Noncontiguous	**74**	**0**	**0**	**0**	**0**	**0**	**0**
Alaska	74	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	**2**	**4**	**25**	**0**	**14**	**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 February 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**	**5**	**0**	**0**	**1**
Connecticut	0	0	0	10	7	0	0	0
Maine	0	0	0	10	6	0	0	5
Massachusetts	0	0	0	6	5	0	0	3
New Hampshire	0	0	0	140	23	0	0	2
Rhode Island	0	0	0	11	6	0	0	13
Vermont	0	0	0	21	23	0	0	15
Middle Atlantic	**0**	**0**	**0**	**4**	**2**	**0**	**0**	**1**
New Jersey	0	0	0	7	6	0	0	1
New York	0	0	0	6	3	0	0	1
Pennsylvania	0	0	0	8	4	0	0	1
East North Central	**0**	**0**	**0**	**1**	**1**	**0**	**35**	**0**
Illinois	0	0	0	3	1	0	0	1
Indiana	0	0	0	5	2	0	0	1
Michigan	0	0	0	5	4	0	49	1
Ohio	0	0	0	1	1	0	0	1
Wisconsin	0	0	0	11	4	0	0	1
West North Central	**0**	**0**	**0**	**5**	**1**	**0**	**0**	**1**
Iowa	0	0	0	5	1	0	0	1
Kansas	0	0	0	23	2	0	0	2
Minnesota	0	0	0	6	2	0	0	4
Missouri	0	0	0	21	1	0	0	1
Nebraska	0	0	0	33	2	0	0	2
North Dakota	0	0	0	0	2	0	0	2
South Dakota	0	0	0	2	1	0	0	1
South Atlantic	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**1**
Delaware	0	0	0	9	18	0	0	7
District of Columbia	0	0	0	56	56	0	0	56
Florida	0	0	0	3	3	0	0	4
Georgia	0	0	0	1	2	0	0	3
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	6	0	0	9
Virginia	0	0	0	2	5	0	0	2
West Virginia	0	0	0	0	1	0	0	9
East South Central	**0**	**0**	**0**	**1**	**2**	**0**	**0**	**1**
Alabama	0	0	0	2	3	0	0	0
Kentucky	0	0	0	8	14	0	0	24
Mississippi	0	0	0	2	3	0	0	1
Tennessee	0	0	0	3	5	0	0	9
West South Central	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**1**
Arkansas	0	0	0	1	3	0	0	1
Louisiana	0	0	0	3	6	0	0	3
Oklahoma	0	0	0	149	2	0	0	1
Texas	0	0	0	0	1	0	0	1
Mountain	**0**	**14**	**0**	**1**	**1**	**0**	**0**	**1**
Arizona	0	0	0	1	2	0	0	1
Colorado	0	0	0	2	3	0	0	3
Idaho	0	88	0	7	6	0	0	12
Montana	0	0	0	0	1	0	0	2
Nevada	0	14	0	1	6	0	0	5
New Mexico	0	0	0	2	2	0	0	1
Utah	0	57	0	1	4	0	0	4
Wyoming	0	0	0	0	2	0	0	2
Pacific Contiguous	**0**	**10**	**0**	**1**	**2**	**0**	**0**	**1**
California	0	9	0	1	2	0	0	1
Oregon	0	60	0	5	3	0	0	2
Washington	0	0	0	7	4	0	0	4
Pacific Noncontiguous	**0**	**55**	**0**	**6**	**13**	**0**	**0**	**8**
Alaska	0	0	0	102	41	0	0	50
Hawaii	0	55	0	6	13	0	0	7
U.S. Total	**0**	**10**	**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, February 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**18**	**0**	**13**	**0**	**0**	**0**
Connecticut	0	104	0	23	0	0	0
Maine	0	0	0	0	0	0	0
Massachusetts	0	61	0	17	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**	**58**	**0**	**12**	**0**	**0**	**0**
New Jersey	0	507	0	24	0	0	0
New York	0	86	0	17	0	0	0
Pennsylvania	0	0	0	6	0	0	0
East North Central	**0**	**49**	**0**	**8**	**0**	**0**	**328**
Illinois	0	415	0	25	0	0	0
Indiana	0	0	0	0	0	0	328
Michigan	0	481	0	7	0	0	0
Ohio	0	0	0	4	0	0	0
Wisconsin	0	174	0	7	0	0	0
West North Central	**0**	**33**	**0**	**1**	**0**	**0**	**0**
Iowa	0	0	0	2	0	0	0
Minnesota	0	36	0	0	0	0	0
Missouri	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0
South Dakota	0	1,144	0	0	0	0	0
South Atlantic	**0**	**4**	**0**	**21**	**0**	**0**	**0**
District of Columbia	0	0	0	34	0	0	0
Florida	0	0	0	80	0	0	0
Georgia	0	50	0	0	0	0	0
Maryland	0	0	0	8	0	0	0
North Carolina	0	249	0	69	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**	**26**	**0**	**0**	**0**
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	26	0	0	0
West South Central	**0**	**132**	**0**	**34**	**0**	**0**	**1,292**
Arkansas	0	0	0	173	0	0	0
Louisiana	0	0	0	64	0	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	132	0	38	0	0	1,292
Mountain	**0**	**245**	**0**	**39**	**0**	**0**	**206**
Arizona	0	817	0	65	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	131	0	0	0
Utah	0	0	0	76	0	0	242
Pacific Contiguous	**0**	**33**	**0**	**10**	**0**	**0**	**113**
California	0	4	0	10	0	0	113
Oregon	0	783	0	8	0	0	0
Washington	0	0	0	0	0	0	0
Pacific Noncontiguous	**37**	**5**	**0**	**0**	**0**	**0**	**113**
Alaska	37	6	0	0	0	0	113
Hawaii	0	0	0	0	0	0	0
U.S. Total	**20**	**10**	**0**	**6**	**0**	**0**	**70**

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

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

Commercial Sector by Census Division and State, February 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**	**2**	**0**	**0**	**7**
Connecticut	0	0	0	108	108	0	0	23
Maine	0	0	0	0	0	0	0	0
Massachusetts	0	0	0	80	2	0	0	8
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**	**2**	**0**	**1**	**4**
New Jersey	0	0	0	20	5	0	0	6
New York	0	0	0	78	2	0	2	7
Pennsylvania	0	0	0	87	5	0	0	2
East North Central	**0**	**0**	**0**	**73**	**15**	**0**	**0**	**7**
Illinois	0	0	0	201	129	0	0	24
Indiana	0	0	0	197	15	0	0	17
Michigan	0	0	0	249	7	0	0	6
Ohio	0	0	0	117	41	0	0	4
Wisconsin	0	0	0	137	32	0	0	13
West North Central	**0**	**0**	**0**	**0**	**19**	**0**	**56**	**6**
Iowa	0	0	0	0	28	0	0	3
Kansas	0	0	0	0	162	0	0	162
Minnesota	0	0	0	0	32	0	56	15
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	1,144
South Atlantic	**0**	**0**	**0**	**23**	**2**	**0**	**0**	**5**
Delaware	0	0	0	165	124	0	0	124
District of Columbia	0	0	0	0	0	0	0	23
Florida	0	0	0	83	1	0	0	7
Georgia	0	0	0	146	146	0	0	117
Maryland	0	0	0	63	63	0	0	9
North Carolina	0	0	0	26	26	0	0	37
South Carolina	0	0	0	0	0	0	0	0
Virginia	0	0	0	203	2	0	0	1
East South Central	**0**	**0**	**0**	**101**	**101**	**0**	**0**	**25**
Kentucky	0	0	0	183	183	0	0	183
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	122	122	0	0	25
West South Central	**0**	**0**	**0**	**2**	**11**	**0**	**0**	**28**
Arkansas	0	0	0	0	0	0	0	139
Louisiana	0	0	0	0	0	0	0	64
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	2	13	0	0	32
Mountain	**0**	**0**	**0**	**29**	**22**	**0**	**0**	**31**
Arizona	0	0	0	58	58	0	0	56
Colorado	0	0	0	72	72	0	0	43
Idaho	0	0	0	0	36	0	0	15
Nevada	0	0	0	38	38	0	0	16
New Mexico	0	0	0	0	413	0	0	128
Utah	0	0	0	0	0	0	0	69
Pacific Contiguous	**0**	**0**	**0**	**20**	**7**	**0**	**0**	**7**
California	0	0	0	20	7	0	0	7
Oregon	0	0	0	0	37	0	0	15
Washington	0	0	0	0	75	0	0	32
Pacific Noncontiguous	**0**	**0**	**0**	**127**	**3**	**0**	**0**	**28**
Alaska	0	0	0	0	0	0	0	48
Hawaii	0	0	0	127	5	0	0	2
U.S. Total	**0**	**0**	**0**	**8**	**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 February 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**18**	**0**	**13**	**0**	**0**	**0**
Connecticut	0	104	0	23	0	0	0
Maine	0	0	0	0	0	0	0
Massachusetts	0	61	0	17	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**	**58**	**0**	**12**	**0**	**0**	**0**
New Jersey	0	507	0	24	0	0	0
New York	0	86	0	17	0	0	0
Pennsylvania	0	0	0	6	0	0	0
East North Central	**0**	**49**	**0**	**8**	**0**	**0**	**328**
Illinois	0	415	0	25	0	0	0
Indiana	0	0	0	0	0	0	328
Michigan	0	481	0	7	0	0	0
Ohio	0	0	0	4	0	0	0
Wisconsin	0	174	0	7	0	0	0
West North Central	**0**	**33**	**0**	**1**	**0**	**0**	**0**
Iowa	0	0	0	2	0	0	0
Minnesota	0	36	0	0	0	0	0
Missouri	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0
South Dakota	0	1,144	0	0	0	0	0
South Atlantic	**0**	**4**	**0**	**21**	**0**	**0**	**0**
District of Columbia	0	0	0	34	0	0	0
Florida	0	0	0	80	0	0	0
Georgia	0	50	0	0	0	0	0
Maryland	0	0	0	8	0	0	0
North Carolina	0	249	0	69	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**	**26**	**0**	**0**	**0**
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	26	0	0	0
West South Central	**0**	**132**	**0**	**34**	**0**	**0**	**1,292**
Arkansas	0	0	0	173	0	0	0
Louisiana	0	0	0	64	0	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	132	0	38	0	0	1,292
Mountain	**0**	**245**	**0**	**39**	**0**	**0**	**206**
Arizona	0	817	0	65	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	131	0	0	0
Utah	0	0	0	76	0	0	242
Pacific Contiguous	**0**	**33**	**0**	**10**	**0**	**0**	**113**
California	0	4	0	10	0	0	113
Oregon	0	783	0	8	0	0	0
Washington	0	0	0	0	0	0	0
Pacific Noncontiguous	**37**	**5**	**0**	**0**	**0**	**0**	**113**
Alaska	37	6	0	0	0	0	113
Hawaii	0	0	0	0	0	0	0
U.S. Total	**20**	**10**	**0**	**6**	**0**	**0**	**70**

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

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

Commercial Sector by Census Division and State, Year-to-Date through February 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**	**2**	**0**	**0**	**7**
Connecticut	0	0	0	108	108	0	0	23
Maine	0	0	0	0	0	0	0	0
Massachusetts	0	0	0	80	2	0	0	8
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**	**2**	**0**	**1**	**4**
New Jersey	0	0	0	20	5	0	0	6
New York	0	0	0	78	2	0	2	7
Pennsylvania	0	0	0	87	5	0	0	2
East North Central	**0**	**0**	**0**	**73**	**15**	**0**	**0**	**7**
Illinois	0	0	0	201	129	0	0	24
Indiana	0	0	0	197	15	0	0	17
Michigan	0	0	0	249	7	0	0	6
Ohio	0	0	0	117	41	0	0	4
Wisconsin	0	0	0	137	32	0	0	13
West North Central	**0**	**0**	**0**	**0**	**19**	**0**	**56**	**6**
Iowa	0	0	0	0	28	0	0	3
Kansas	0	0	0	0	162	0	0	162
Minnesota	0	0	0	0	32	0	56	15
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	1,144
South Atlantic	**0**	**0**	**0**	**23**	**2**	**0**	**0**	**5**
Delaware	0	0	0	165	124	0	0	124
District of Columbia	0	0	0	0	0	0	0	23
Florida	0	0	0	83	1	0	0	7
Georgia	0	0	0	146	146	0	0	117
Maryland	0	0	0	63	63	0	0	9
North Carolina	0	0	0	26	26	0	0	37
South Carolina	0	0	0	0	0	0	0	0
Virginia	0	0	0	203	2	0	0	1
East South Central	**0**	**0**	**0**	**101**	**101**	**0**	**0**	**25**
Kentucky	0	0	0	183	183	0	0	183
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	122	122	0	0	25
West South Central	**0**	**0**	**0**	**2**	**11**	**0**	**0**	**28**
Arkansas	0	0	0	0	0	0	0	139
Louisiana	0	0	0	0	0	0	0	64
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	2	13	0	0	32
Mountain	**0**	**0**	**0**	**29**	**22**	**0**	**0**	**31**
Arizona	0	0	0	58	58	0	0	56
Colorado	0	0	0	72	72	0	0	43
Idaho	0	0	0	0	36	0	0	15
Nevada	0	0	0	38	38	0	0	16
New Mexico	0	0	0	0	413	0	0	128
Utah	0	0	0	0	0	0	0	69
Pacific Contiguous	**0**	**0**	**0**	**20**	**7**	**0**	**0**	**7**
California	0	0	0	20	7	0	0	7
Oregon	0	0	0	0	37	0	0	15
Washington	0	0	0	0	75	0	0	32
Pacific Noncontiguous	**0**	**0**	**0**	**127**	**3**	**0**	**0**	**28**
Alaska	0	0	0	0	0	0	0	48
Hawaii	0	0	0	127	5	0	0	2
U.S. Total	**0**	**0**	**0**	**8**	**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, February 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**2**	**0**	**10**	**0**	**0**	**58**
Connecticut	0	10	0	12	0	0	0
Maine	0	3	0	36	0	0	58
Massachusetts	0	0	0	23	0	0	0
New Hampshire	0	0	0	0	0	0	0
Rhode Island	0	0	0	34	0	0	0
Middle Atlantic	**0**	**5**	**0**	**5**	**71**	**0**	**18**
New Jersey	0	0	0	11	0	0	0
New York	0	5	0	7	0	0	18
Pennsylvania	0	7	0	6	113	0	0
East North Central	**9**	**17**	**0**	**5**	**29**	**0**	**54**
Illinois	0	0	0	15	0	0	0
Indiana	0	64	0	8	37	0	0
Michigan	246	0	0	12	0	0	283
Ohio	0	0	0	22	0	0	0
Wisconsin	50	27	0	9	0	0	51
West North Central	**6**	**5**	**0**	**8**	**0**	**0**	**0**
Iowa	2	687	0	8	0	0	0
Kansas	0	0	0	29	0	0	0
Minnesota	62	0	0	15	0	0	0
Missouri	0	0	0	0	0	0	0
Nebraska	9	0	0	0	0	0	0
North Dakota	85	0	0	0	0	0	0
South Dakota	0	0	0	55	0	0	0
South Atlantic	**5**	**19**	**0**	**8**	**0**	**0**	**23**
Delaware	0	0	0	0	0	0	0
Florida	0	21	0	28	0	0	0
Georgia	11	22	0	21	0	0	194
Maryland	0	0	0	0	0	0	0
North Carolina	7	82	0	42	0	0	519
South Carolina	0	0	0	23	0	0	0
Virginia	0	1,198	0	11	0	0	0
West Virginia	0	0	0	0	0	0	22
East South Central	**0**	**211**	**0**	**11**	**0**	**0**	**0**
Alabama	0	246	0	23	0	0	0
Kentucky	0	0	0	0	0	0	0
Mississippi	0	0	0	33	0	0	0
Tennessee	0	0	0	8	0	0	0
West South Central	**0**	**20**	**0**	**2**	**6**	**0**	**0**
Arkansas	0	1,079	0	57	0	0	0
Louisiana	0	0	0	3	9	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	8	0	3	5	0	0
Mountain	**31**	**0**	**0**	**3**	**12**	**0**	**0**
Colorado	0	0	0	0	0	0	0
Idaho	305	0	0	21	0	0	0
Montana	305	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0
Utah	0	0	0	0	0	0	0
Wyoming	31	0	0	4	12	0	0
Pacific Contiguous	**0**	**13**	**0**	**6**	**7**	**0**	**0**
California	0	2	0	7	8	0	0
Oregon	0	0	0	21	0	0	0
Washington	0	91	0	3	0	0	0
Pacific Noncontiguous	**0**	**2**	**0**	**0**	**0**	**0**	**135**
Alaska	0	10	0	0	0	0	0
Hawaii	0	0	0	0	0	0	135
U.S. Total	**4**	**7**	**0**	**2**	**10**	**0**	**18**

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

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

Industrial Sector by Census Division and State, February 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**	**90**	**11**	**0**	**0**	**7**
Connecticut	0	0	0	146	146	0	0	12
Maine	0	0	0	0	11	0	0	10
Massachusetts	0	0	0	88	146	0	0	24
New Hampshire	0	0	0	0	0	0	0	0
Rhode Island	0	0	0	0	0	0	0	34
Middle Atlantic	**0**	**0**	**0**	**57**	**12**	**0**	**0**	**6**
New Jersey	0	0	0	123	123	0	0	8
New York	0	0	0	93	24	0	0	7
Pennsylvania	0	0	0	87	13	0	0	8
East North Central	**0**	**0**	**0**	**0**	**9**	**0**	**0**	**6**
Illinois	0	0	0	0	0	0	0	6
Indiana	0	0	0	0	38	0	0	12
Michigan	0	0	0	0	14	0	0	9
Ohio	0	0	0	0	30	0	0	11
Wisconsin	0	0	0	0	12	0	0	9
West North Central	**0**	**0**	**0**	**37**	**5**	**0**	**0**	**4**
Iowa	0	0	0	0	0	0	0	3
Kansas	0	0	0	0	179	0	0	29
Minnesota	0	0	0	37	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	59
South Dakota	0	0	0	0	85	0	0	46
South Atlantic	**0**	**0**	**0**	**93**	**4**	**0**	**0**	**3**
Delaware	0	0	0	0	58	0	0	1
Florida	0	0	0	148	11	0	0	10
Georgia	0	0	0	0	7	0	0	7
Maryland	0	0	0	0	0	0	0	0
North Carolina	0	0	0	0	10	0	0	9
South Carolina	0	0	0	120	4	0	0	4
Virginia	0	0	0	0	0	0	0	4
West Virginia	0	0	0	0	0	0	0	10
East South Central	**0**	**0**	**0**	**0**	**4**	**0**	**0**	**5**
Alabama	0	0	0	0	6	0	0	8
Kentucky	0	0	0	0	27	0	0	15
Mississippi	0	0	0	0	6	0	0	10
Tennessee	0	0	0	0	0	0	0	4
West South Central	**0**	**0**	**0**	**75**	**6**	**0**	**11**	**2**
Arkansas	0	0	0	147	10	0	0	13
Louisiana	0	0	0	0	9	0	28	2
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	87	16	0	10	3
Mountain	**0**	**0**	**0**	**48**	**4**	**0**	**0**	**4**
Arizona	0	0	0	70	70	0	0	70
Colorado	0	0	0	0	0	0	0	0
Idaho	0	0	0	156	1	0	0	7
Montana	0	0	0	0	0	0	0	53
Nevada	0	0	0	77	77	0	0	1
New Mexico	0	0	0	0	0	0	0	0
Utah	0	0	0	141	141	0	0	2
Wyoming	0	0	0	0	0	0	0	8
Pacific Contiguous	**0**	**0**	**0**	**20**	**10**	**0**	**6**	**5**
California	0	0	0	20	15	0	6	6
Oregon	0	0	0	0	19	0	0	16
Washington	0	0	0	0	15	0	0	6
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**23**
Alaska	0	0	0	0	0	0	0	5
Hawaii	0	0	0	0	0	0	0	35
U.S. Total	**0**	**0**	**0**	**15**	**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 February 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	**0**	**2**	**0**	**10**	**0**	**0**	**58**
Connecticut	0	10	0	12	0	0	0
Maine	0	3	0	36	0	0	58
Massachusetts	0	0	0	23	0	0	0
New Hampshire	0	0	0	0	0	0	0
Rhode Island	0	0	0	34	0	0	0
Middle Atlantic	**0**	**5**	**0**	**5**	**71**	**0**	**18**
New Jersey	0	0	0	11	0	0	0
New York	0	5	0	7	0	0	18
Pennsylvania	0	7	0	6	113	0	0
East North Central	**9**	**17**	**0**	**5**	**29**	**0**	**54**
Illinois	0	0	0	15	0	0	0
Indiana	0	64	0	8	37	0	0
Michigan	246	0	0	12	0	0	283
Ohio	0	0	0	22	0	0	0
Wisconsin	50	27	0	9	0	0	51
West North Central	**6**	**5**	**0**	**8**	**0**	**0**	**0**
Iowa	2	687	0	8	0	0	0
Kansas	0	0	0	29	0	0	0
Minnesota	62	0	0	15	0	0	0
Missouri	0	0	0	0	0	0	0
Nebraska	9	0	0	0	0	0	0
North Dakota	85	0	0	0	0	0	0
South Dakota	0	0	0	55	0	0	0
South Atlantic	**5**	**19**	**0**	**8**	**0**	**0**	**23**
Delaware	0	0	0	0	0	0	0
Florida	0	21	0	28	0	0	0
Georgia	11	22	0	21	0	0	194
Maryland	0	0	0	0	0	0	0
North Carolina	7	82	0	42	0	0	519
South Carolina	0	0	0	23	0	0	0
Virginia	0	1,198	0	11	0	0	0
West Virginia	0	0	0	0	0	0	22
East South Central	**0**	**211**	**0**	**11**	**0**	**0**	**0**
Alabama	0	246	0	23	0	0	0
Kentucky	0	0	0	0	0	0	0
Mississippi	0	0	0	33	0	0	0
Tennessee	0	0	0	8	0	0	0
West South Central	**0**	**20**	**0**	**2**	**6**	**0**	**0**
Arkansas	0	1,079	0	57	0	0	0
Louisiana	0	0	0	3	9	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	8	0	3	5	0	0
Mountain	**31**	**0**	**0**	**3**	**12**	**0**	**0**
Colorado	0	0	0	0	0	0	0
Idaho	305	0	0	21	0	0	0
Montana	305	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0
Utah	0	0	0	0	0	0	0
Wyoming	31	0	0	4	12	0	0
Pacific Contiguous	**0**	**13**	**0**	**6**	**7**	**0**	**0**
California	0	2	0	7	8	0	0
Oregon	0	0	0	21	0	0	0
Washington	0	91	0	3	0	0	0
Pacific Noncontiguous	**0**	**2**	**0**	**0**	**0**	**0**	**135**
Alaska	0	10	0	0	0	0	0
Hawaii	0	0	0	0	0	0	135
U.S. Total	**4**	**7**	**0**	**2**	**10**	**0**	**18**

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

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

Industrial Sector by Census Division and State, Year-to-Date through February 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**	**90**	**11**	**0**	**0**	**7**
Connecticut	0	0	0	146	146	0	0	12
Maine	0	0	0	0	11	0	0	10
Massachusetts	0	0	0	88	146	0	0	24
New Hampshire	0	0	0	0	0	0	0	0
Rhode Island	0	0	0	0	0	0	0	34
Middle Atlantic	**0**	**0**	**0**	**57**	**12**	**0**	**0**	**6**
New Jersey	0	0	0	123	123	0	0	8
New York	0	0	0	93	24	0	0	7
Pennsylvania	0	0	0	87	13	0	0	8
East North Central	**0**	**0**	**0**	**0**	**9**	**0**	**0**	**6**
Illinois	0	0	0	0	0	0	0	6
Indiana	0	0	0	0	38	0	0	12
Michigan	0	0	0	0	14	0	0	9
Ohio	0	0	0	0	30	0	0	11
Wisconsin	0	0	0	0	12	0	0	9
West North Central	**0**	**0**	**0**	**37**	**5**	**0**	**0**	**4**
Iowa	0	0	0	0	0	0	0	3
Kansas	0	0	0	0	179	0	0	29
Minnesota	0	0	0	37	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	59
South Dakota	0	0	0	0	85	0	0	46
South Atlantic	**0**	**0**	**0**	**93**	**4**	**0**	**0**	**3**
Delaware	0	0	0	0	58	0	0	1
Florida	0	0	0	148	11	0	0	10
Georgia	0	0	0	0	7	0	0	7
Maryland	0	0	0	0	0	0	0	0
North Carolina	0	0	0	0	10	0	0	9
South Carolina	0	0	0	120	4	0	0	4
Virginia	0	0	0	0	0	0	0	4
West Virginia	0	0	0	0	0	0	0	10
East South Central	**0**	**0**	**0**	**0**	**4**	**0**	**0**	**5**
Alabama	0	0	0	0	6	0	0	8
Kentucky	0	0	0	0	27	0	0	15
Mississippi	0	0	0	0	6	0	0	10
Tennessee	0	0	0	0	0	0	0	4
West South Central	**0**	**0**	**0**	**75**	**6**	**0**	**11**	**2**
Arkansas	0	0	0	147	10	0	0	13
Louisiana	0	0	0	0	9	0	28	2
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	87	16	0	10	3
Mountain	**0**	**0**	**0**	**48**	**4**	**0**	**0**	**4**
Arizona	0	0	0	70	70	0	0	70
Colorado	0	0	0	0	0	0	0	0
Idaho	0	0	0	156	1	0	0	7
Montana	0	0	0	0	0	0	0	53
Nevada	0	0	0	77	77	0	0	1
New Mexico	0	0	0	0	0	0	0	0
Utah	0	0	0	141	141	0	0	2
Wyoming	0	0	0	0	0	0	0	8
Pacific Contiguous	**0**	**0**	**0**	**20**	**10**	**0**	**6**	**5**
California	0	0	0	20	15	0	6	6
Oregon	0	0	0	0	19	0	0	16
Washington	0	0	0	0	15	0	0	6
Pacific Noncontiguous	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**23**
Alaska	0	0	0	0	0	0	0	5
Hawaii	0	0	0	0	0	0	0	35
U.S. Total	**0**	**0**	**0**	**15**	**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, February 2024

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

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

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

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	**1**	**0**	**1**	**0**	**0**
Connecticut	1	0	2	0	0
Maine	1	0	1	0	0
Massachusetts	1	0	3	0	1
New Hampshire	1	0	2	0	1
Rhode Island	0	0	0	0	0
Vermont	4	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**	**0**	**1**	**0**	**0**
Illinois	1	0	1	0	0
Indiana	2	1	2	0	1
Michigan	1	0	2	0	1
Ohio	1	0	1	0	0
Wisconsin	1	1	3	0	1
West North Central	**1**	**1**	**2**	**0**	**1**
Iowa	2	1	3	0	1
Kansas	6	6	5	0	3
Minnesota	1	1	4	0	1
Missouri	2	1	4	0	1
Nebraska	2	1	4	0	2
North Dakota	1	1	3	0	1
South Dakota	2	1	7	0	2
South Atlantic	**2**	**1**	**1**	**0**	**1**
Delaware	2	1	5	0	1
District of Columbia	0	0	0	0	0
Florida	2	3	4	0	2
Georgia	4	4	3	0	2
Maryland	1	0	2	0	0
North Carolina	3	3	3	0	2
South Carolina	4	4	2	0	2
Virginia	2	1	3	0	1
West Virginia	0	0	0	0	0
East South Central	**2**	**2**	**1**	**0**	**1**
Alabama	4	5	2	0	2
Kentucky	2	2	2	0	1
Mississippi	6	7	3	0	3
Tennessee	1	1	2	0	1
West South Central	**2**	**5**	**1**	**0**	**2**
Arkansas	5	7	3	0	3
Louisiana	5	4	2	0	2
Oklahoma	5	5	3	0	3
Texas	3	7	1	0	2
Mountain	**1**	**0**	**1**	**0**	**0**
Arizona	1	0	1	0	0
Colorado	2	1	2	0	1
Idaho	1	1	3	0	1
Montana	2	1	3	0	1
Nevada	1	0	0	0	0
New Mexico	3	1	2	0	1
Utah	2	1	1	0	1
Wyoming	2	1	2	0	1
Pacific Contiguous	**0**	**0**	**2**	**0**	**0**
California	0	0	1	0	0
Oregon	1	1	5	0	1
Washington	1	1	5	0	1
Pacific Noncontiguous	**1**	**1**	**3**	**0**	**1**
Alaska	2	2	9	0	2
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, February 2024

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

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

by End-Use Sector, Census Division, and State, Year-to-Date through February 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	3	3	0	3
Middle Atlantic	**1**	**1**	**2**	**0**	**0**
New Jersey	1	3	1	0	2
New York	0	0	0	0	0
Pennsylvania	1	2	3	0	1
East North Central	**1**	**0**	**0**	**0**	**0**
Illinois	2	1	0	0	1
Indiana	3	2	1	0	1
Michigan	1	0	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	1	2	0	1
Kansas	9	4	4	0	4
Minnesota	1	1	2	0	1
Missouri	3	2	2	0	2
Nebraska	2	1	3	0	1
North Dakota	2	1	2	0	1
South Dakota	3	2	5	0	2
South Atlantic	**2**	**1**	**1**	**0**	**1**
Delaware	3	15	4	0	6
District of Columbia	5	0	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	2
South Carolina	6	2	2	0	3
Virginia	3	1	3	0	2
West Virginia	1	1	0	0	0
East South Central	**2**	**1**	**1**	**0**	**1**
Alabama	5	2	2	0	3
Kentucky	4	2	1	0	2
Mississippi	8	4	3	0	4
Tennessee	2	2	2	0	1
West South Central	**3**	**4**	**1**	**0**	**2**
Arkansas	7	4	3	0	4
Louisiana	7	2	2	0	3
Oklahoma	8	3	3	0	4
Texas	3	5	1	0	2
Mountain	**1**	**0**	**1**	**0**	**0**
Arizona	1	0	2	0	1
Colorado	3	1	3	0	1
Idaho	1	1	2	0	1
Montana	2	1	3	0	1
Nevada	1	0	1	0	0
New Mexico	5	2	3	0	2
Utah	3	1	2	0	2
Wyoming	2	1	2	0	1
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	0	0	0
Oregon	1	1	3	0	1
Washington	1	1	3	0	1
Pacific Noncontiguous	**1**	**1**	**1**	**0**	**0**
Alaska	2	2	4	0	1
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, February 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	2	0	1
New Hampshire	1	1	1	0	1
Rhode Island	1	0	0	0	0
Vermont	2	2	2	0	1
Middle Atlantic	**1**	**1**	**2**	**0**	**1**
New Jersey	2	3	0	0	2
New York	0	0	1	0	0
Pennsylvania	1	2	4	0	1
East North Central	**0**	**0**	**0**	**0**	**0**
Illinois	1	1	0	0	1
Indiana	1	1	1	0	1
Michigan	0	0	1	0	1
Ohio	1	0	0	0	0
Wisconsin	1	0	2	0	1
West North Central	**1**	**1**	**1**	**0**	**1**
Iowa	1	1	2	0	1
Kansas	4	4	3	0	3
Minnesota	1	1	3	0	1
Missouri	2	2	2	0	1
Nebraska	1	1	3	0	1
North Dakota	1	1	2	0	1
South Dakota	1	1	5	0	1
South Atlantic	**1**	**1**	**1**	**0**	**1**
Delaware	1	15	3	0	7
District of Columbia	6	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	1	0	1
West Virginia	0	1	0	0	0
East South Central	**1**	**1**	**1**	**0**	**1**
Alabama	2	4	1	0	2
Kentucky	2	1	1	0	1
Mississippi	3	5	2	0	2
Tennessee	1	1	1	0	1
West South Central	**1**	**2**	**1**	**0**	**1**
Arkansas	3	4	1	0	2
Louisiana	3	3	1	0	2
Oklahoma	4	2	2	0	3
Texas	1	2	1	0	1
Mountain	**1**	**0**	**1**	**0**	**0**
Arizona	1	1	1	0	0
Colorado	2	1	2	0	1
Idaho	1	1	2	0	1
Montana	1	1	2	0	1
Nevada	1	0	0	0	0
New Mexico	3	2	2	0	2
Utah	2	1	1	0	1
Wyoming	1	1	1	0	1
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	0	0	0
Oregon	1	0	4	0	1
Washington	1	0	3	0	1
Pacific Noncontiguous	**1**	**1**	**2**	**0**	**1**
Alaska	2	2	7	0	2
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 February 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	4	2	4	0	2
Middle Atlantic	**1**	**1**	**1**	**0**	**0**
New Jersey	1	3	1	0	2
New York	0	0	1	0	0
Pennsylvania	1	2	2	0	1
East North Central	**1**	**0**	**0**	**0**	**0**
Illinois	1	1	0	0	1
Indiana	2	1	1	0	1
Michigan	1	0	1	0	1
Ohio	1	0	0	0	0
Wisconsin	1	1	3	0	1
West North Central	**1**	**1**	**1**	**0**	**1**
Iowa	1	1	2	0	1
Kansas	7	5	4	0	4
Minnesota	1	1	3	0	1
Missouri	3	1	3	0	2
Nebraska	2	1	4	0	1
North Dakota	1	1	2	0	1
South Dakota	2	1	6	0	2
South Atlantic	**2**	**1**	**1**	**0**	**1**
Delaware	2	15	4	0	6
District of Columbia	5	0	0	0	1
Florida	2	2	3	0	2
Georgia	4	3	2	0	3
Maryland	1	1	1	0	1
North Carolina	3	2	2	0	2
South Carolina	5	3	2	0	3
Virginia	2	1	2	0	1
West Virginia	1	1	0	0	0
East South Central	**2**	**2**	**1**	**0**	**1**
Alabama	4	4	2	0	2
Kentucky	3	2	2	0	2
Mississippi	7	6	3	0	4
Tennessee	2	1	2	0	1
West South Central	**2**	**4**	**1**	**0**	**2**
Arkansas	5	6	2	0	3
Louisiana	5	4	1	0	2
Oklahoma	6	4	3	0	3
Texas	2	5	1	0	2
Mountain	**1**	**0**	**1**	**0**	**0**
Arizona	1	0	1	0	1
Colorado	2	1	2	0	1
Idaho	1	1	2	0	1
Montana	1	1	3	0	1
Nevada	1	0	0	0	0
New Mexico	4	2	2	0	2
Utah	3	1	1	0	1
Wyoming	2	1	2	0	1
Pacific Contiguous	**0**	**0**	**1**	**0**	**0**
California	0	0	0	0	0
Oregon	1	1	4	0	1
Washington	1	1	4	0	1
Pacific Noncontiguous	**1**	**1**	**2**	**0**	**1**
Alaska	2	2	7	0	2
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
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

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	01/13/2024 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 6:31 AM	0 Hours, 18 Minutes	LUMA Energy	N/A	Puerto Rico	System-wide voltage reductions of 3 percent or more-- Unknown	Unknown	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 8:02 AM	0 Hours, 25 Minutes	LUMA Energy	N/A	Puerto Rico	System-wide voltage reductions of 3 percent or more-- Generator loss or failure	Unknown	Unknown
2024	2	02/04/2024 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 2:32 PM	0 Hours, 13 Minutes	LUMA Energy	N/A	Puerto Rico	System-wide voltage reductions of 3 percent or more-- Other	Unknown	Unknown
2024	2	02/28/2024 2:19 PM	02/28/2024 2:35 PM	0 Hours, 16 Minutes	LUMA Energy	N/A	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	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

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 Count	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
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

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	04/27/2023 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
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

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	07/28/2023 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
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

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	. .	07/29/2023 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
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

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	10/19/2023 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
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

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	12/15/2023 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, February 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	19.91	5.83	--	1.04
Connecticut	--	5.83	--	1.03
Maine	19.91	5.83	--	1.05
Massachusetts	--	--	--	1.04
New Hampshire	--	--	--	1.03
Rhode Island	--	--	--	1.03
Vermont	--	--	--	--
Middle Atlantic	14.40	6.05	--	1.04
New Jersey	--	--	--	1.04
New York	--	--	--	1.03
Pennsylvania	14.40	6.05	--	1.04
East North Central	19.91	5.83	27.77	1.05
Illinois	17.91	6.01	--	1.04
Indiana	22.38	5.76	--	1.05
Michigan	18.93	5.83	27.78	1.05
Ohio	24.77	5.82	--	1.06
Wisconsin	17.60	5.87	27.40	1.03
West North Central	16.59	5.76	--	1.06
Iowa	17.65	5.72	--	1.10
Kansas	17.43	5.79	--	1.00
Minnesota	17.85	5.60	--	1.10
Missouri	17.73	5.78	--	1.03
Nebraska	17.36	5.80	--	1.06
North Dakota	13.17	5.77	--	1.00
South Dakota	16.71	--	--	1.11
South Atlantic	23.88	5.85	--	1.03
Delaware	--	--	--	1.04
District of Columbia	--	--	--	--
Florida	23.51	5.83	--	1.03
Georgia	20.49	5.93	--	1.03
Maryland	24.07	5.80	--	1.04
North Carolina	24.66	5.80	--	1.03
South Carolina	24.28	5.82	--	1.03
Virginia	23.06	5.88	--	1.04
West Virginia	25.38	5.83	--	1.08
East South Central	20.81	5.81	--	1.02
Alabama	18.42	--	--	1.03
Kentucky	22.38	5.82	--	1.03
Mississippi	13.21	5.82	--	1.03
Tennessee	22.47	5.77	--	1.01
West South Central	16.34	5.87	--	1.02
Arkansas	17.70	5.82	--	1.03
Louisiana	17.32	--	--	1.03
Oklahoma	17.32	5.80	--	1.03
Texas	15.93	5.88	--	1.02
Mountain	18.35	5.74	--	1.04
Arizona	18.02	5.80	--	1.03
Colorado	18.49	5.57	--	1.07
Idaho	--	--	--	1.00
Montana	17.19	5.92	--	1.05
Nevada	19.79	5.83	--	1.05
New Mexico	18.17	--	--	1.03
Utah	20.78	--	--	1.05
Wyoming	17.38	5.77	--	1.06
Pacific Contiguous	18.74	5.88	--	1.05
California	21.05	--	--	1.04
Oregon	--	--	--	1.07
Washington	17.61	5.88	--	1.08
Pacific Noncontiguous	14.79	6.16	--	1.00
Alaska	14.79	5.60	--	1.00
Hawaii	--	6.16	--	--
U.S. Total	18.70	6.08	27.77	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, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.
Fuel Stocks are end-of-month values.
See technical notes (http://www.eia.gov/cneaf/electricity/epm/appenc.pdf) for additional information on the Commercial, Industrial and Transportation sectors.
Cost of Fossil Fuels represent weighted values.
Notes: Mean absolute value of percent change is the unweighted average of the absolute percent cahnges.
Sources: U.S. Energy Information Administration, Form EIA-923 'Power Plant Operations Report'; Form EIA-423, 'Monthly Cost and Quality of Fuels for Electric Plants Report';
Form EIA-826, 'Monthly Electric Sales and Revenue With State Distributions Report'; Form EIA-906, 'Power Plant Report;' Form EIA-920 'Combined Heat and Power Plant Report';
and Federal Energy Regulatory Commission, FERC Form 423, 'Monthly Report of Cost and Quality of Fuels for Electric Plants.'

Table C.3. Comparison of Preliminary Annual Data Versus Final Annual Data at the U.S. Level, 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, hydrogen, pitch, purchased steam, sulfur, and miscellaneous technologies.
Fuel Stocks are end-of-year values.
See technical notes (http://www.eia.gov/cneaf/electricity/epm/appenc.pdf) for additional information on the Commercial, Industrial and Transportation sectors.
Cost of Fossil Fuels represent weighted values.
Notes: The average revenue per kilowatthour is calculated by dividing revenue by sales. Totals may not equal sum of components because of independent rounding.
Percent changes refer to the difference between the preliminary data published in the Electric Power Monthly (EPM) and the final data published in the EPM. Values for 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 - February 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
Year to Date			
2022	251,199	492,014	743,213
2023	310,341	729,137	1,039,479
2024	439,713	1,138,946	1,578,660

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 February 2024 and 2023 (Megawatthours)

Census Division and State	Monthly		Year to Date	
	February 2024	February 2023	February 2024	February 2023
New England	**38,610**	**26,284**	**81,589**	**52,585**
Connecticut	8,131	5,366	18,012	11,233
Maine	2,578	1,867	5,436	3,672
Massachusetts	20,262	13,922	42,230	27,559
New Hampshire	2,867	2,083	5,923	4,082
Rhode Island	1,748	1,210	3,679	2,388
Vermont	3,024	1,837	6,310	3,650
Middle Atlantic	**86,690**	**53,596**	**182,185**	**107,086**
New Jersey	27,888	17,358	57,881	34,406
New York	41,449	24,664	88,579	49,624
Pennsylvania	17,353	11,574	35,725	23,056
East North Central	**65,821**	**45,821**	**143,808**	**93,806**
Illinois	24,001	16,427	54,130	33,753
Indiana	7,904	4,466	17,079	9,073
Michigan	14,365	11,533	30,189	23,304
Ohio	13,595	9,046	29,424	18,662
Wisconsin	5,956	4,349	12,985	9,015
West North Central	**24,002**	**18,012**	**54,809**	**37,398**
Iowa	2,516	2,033	5,859	4,275
Kansas	2,790	2,095	6,201	4,292
Minnesota	9,431	7,036	21,886	14,969
Missouri	6,407	4,687	14,359	9,390
Nebraska	2,055	1,457	4,678	3,018
North Dakota	306	272	693	566
South Dakota	496	432	1,133	886
South Atlantic	**129,161**	**78,250**	**266,889**	**159,748**
Delaware	2,537	1,732	4,330	2,944
District of Columbia	1,951	1,409	3,928	2,853
Florida	51,355	29,344	105,291	60,473
Georgia	17,024	10,731	36,568	22,264
Maryland	17,775	10,751	36,765	21,631
North Carolina	15,954	9,538	33,587	19,571
South Carolina	4,263	2,976	8,805	6,102
Virginia	17,661	11,279	36,261	22,900
West Virginia	641	490	1,354	1,009
East South Central	**14,003**	**9,261**	**29,789**	**19,217**
Alabama	2,992	1,954	6,148	4,005
Kentucky	2,678	1,944	5,810	3,992
Mississippi	1,060	612	2,253	1,237
Tennessee	7,272	4,752	15,578	9,983
West South Central	**56,143**	**33,500**	**123,782**	**68,647**
Arkansas	1,276	877	2,827	1,809
Louisiana	2,022	1,179	4,169	2,426
Oklahoma	15,546	4,363	34,998	9,013
Texas	37,298	27,080	81,788	55,400
Mountain	**67,212**	**47,962**	**143,494**	**99,132**
Arizona	19,533	13,562	40,482	27,712
Colorado	24,235	16,354	53,108	34,214
Idaho	2,178	1,668	4,669	3,453
Montana	1,577	1,101	3,433	2,292
Nevada	8,481	6,098	17,718	12,725
New Mexico	2,228	1,755	4,808	3,739
Utah	8,690	7,156	18,655	14,444
Wyoming	288	269	620	554
Pacific Contiguous	**260,813**	**195,692**	**542,020**	**393,684**
California	222,686	166,348	463,207	333,432
Oregon	13,244	10,165	26,665	21,007
Washington	24,883	19,179	52,148	39,245
Pacific Noncontiguous	**4,944**	**3,991**	**10,297**	**8,177**
Alaska	623	524	1,385	1,042
Hawaii	4,320	3,467	8,912	7,135
U.S. Total	**747,399**	**512,368**	**1,578,660**	**1,039,479**

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.
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 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

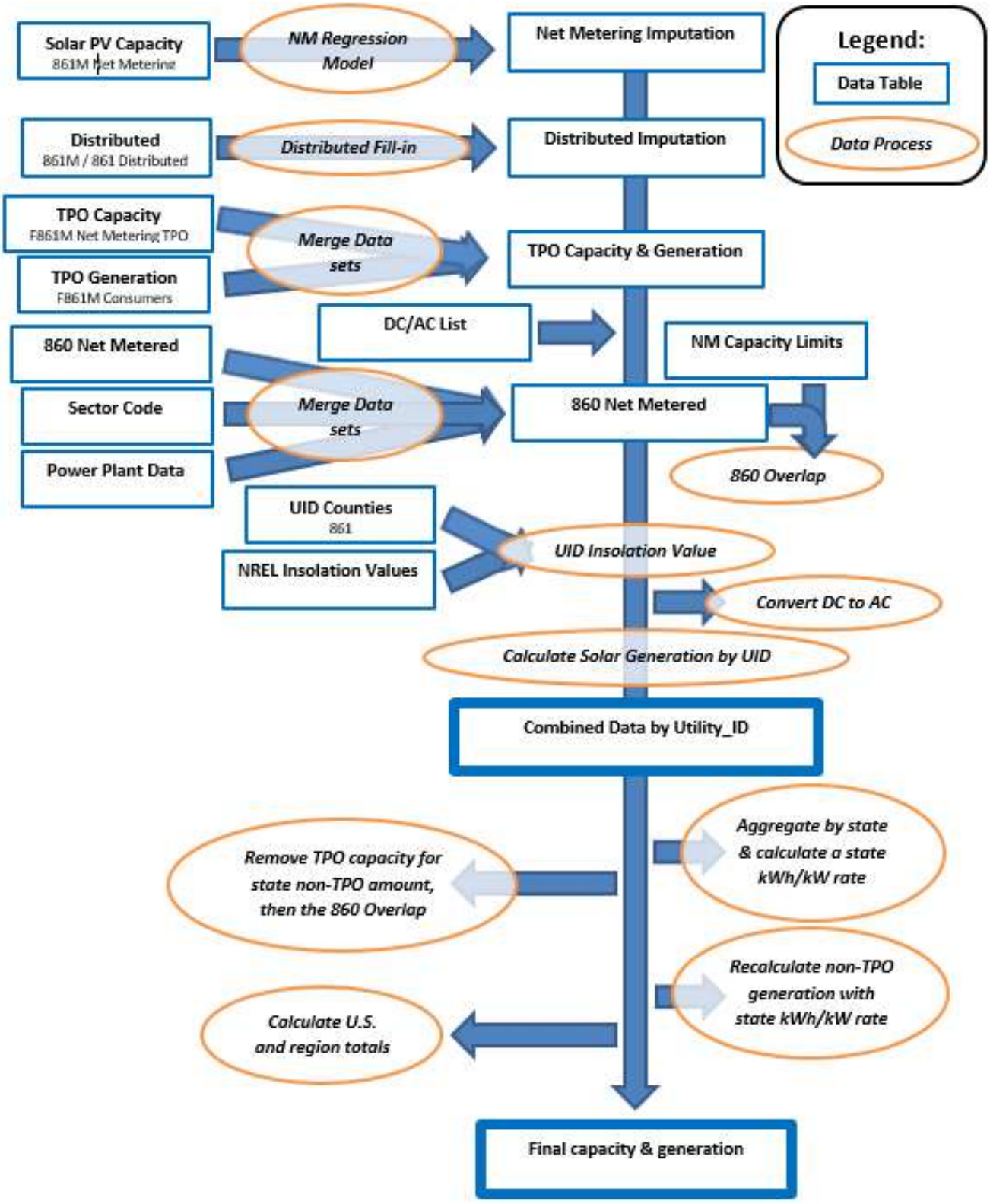
TMY3 (1991-2005) Weather Stations by MSA

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.