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Preface

The Electric Power Monthly (EPM) presents monthly electricity statistics for a wide audience including Congress, Federal and State agencies, the electric power industry, and the general public. The purpose of this publication is to provide energy decision makers with accurate and timely information that may be used in forming various perspectives on electric issues that lie ahead. In order to provide an integrated view of the electric power industry, data in this report have been separated into two major categories: electric power sector and combined heat and power producers. The U.S. Energy Information Administration (EIA) collected the information in this report to fulfill its data collection and dissemination responsibilities as specified in the Federal Energy Administration Act of 1974 (Public Law 93 275) as amended.

Background

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

Data sources

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

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		Total (All Sectors)			Electric Power Sector				Commercial		Industrial		Residential	
					Electric Utilities		Independent Power Producers							
Fuel	Facility Type	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023
Net Generation (Thousand Megawatthours)														
Coal	Utility Scale Facilities	54,526	59,959	-9.1%	42,744	46,714	11,414	12,872	17	15	351	358	0	0
Petroleum Liquids	Utility Scale Facilities	876	894	-2.0%	670	653	167	200	3	4	35	36	0	0
Petroleum Coke	Utility Scale Facilities	258	592	-56.5%	142	441	101	132	0	0	15	19	0	0
Natural Gas	Utility Scale Facilities	169,382	166,151	1.9%	86,574	81,425	74,053	75,519	687	701	8,068	8,506	0	0
Other Fossil Gas	Utility Scale Facilities	741	983	-24.7%	0	0	250	289	0	0	491	694	0	0
Nuclear	Utility Scale Facilities	62,660	65,560	-4.4%	35,308	37,575	27,353	27,985	0	0	0	0	0	0
Hydroelectric Conventional	Utility Scale Facilities	16,660	16,916	-1.5%	14,899	15,262	1,679	1,589	18	18	64	46	0	0
Renewable Sources Excluding Hydroelectric	Utility Scale Facilities	54,078	49,050	10.2%	8,578	7,754	43,238	39,110	368	370	1,893	1,817	0	0
... Wind	Utility Scale Facilities	28,910	28,353	2.0%	5,748	5,447	23,145	22,895	9	7	NM	5	0	0
... Solar Thermal and Photovoltaic	Utility Scale Facilities	20,099	15,583	29.0%	2,532	1,965	17,458	13,534	62	53	47	30	0	0
... Wood and Wood-Derived Fuels	Utility Scale Facilities	2,566	2,573	-0.3%	151	215	607	604	14	12	1,793	1,741	0	0
... Other Biomass	Utility Scale Facilities	1,231	1,227	0.4%	74	67	829	821	283	297	45	41	0	0
... Geothermal	Utility Scale Facilities	1,272	1,315	-3.2%	73	59	1,199	1,255	0	0	0	0	0	0
Hydroelectric Pumped Storage	Utility Scale Facilities	-654	-553	18.3%	-518	-415	-136	-137	0	0	0	0	0	0
Other Energy Sources	Utility Scale Facilities	664	776	-14.4%	21	47	163	196	247	257	232	276	0	0
All Energy Sources	Utility Scale Facilities	359,190	360,328	-0.3%	188,418	189,456	158,282	157,755	1,340	1,365	11,150	11,753	0	0
Estimated Small Scale Solar Photovoltaic	Small Scale Facilities	7,543	6,604	14.2%	0	0	0	0	2,036	1,796	433	400	5,074	4,409
Estimated Total Solar Photovoltaic	All Facilities	27,307	21,894	24.7%	2,532	1,965	17,123	13,241	2,098	1,849	481	429	5,074	4,409
Estimated Total Solar	All Facilities	27,642	22,187	24.6%	2,532	1,965	17,458	13,534	2,098	1,849	481	429	5,074	4,409
Consumption of Fossil Fuels for Electricity Generation														
Coal (1000 tons)	Utility Scale Facilities	31,572	34,223	-7.7%	23,978	26,184	7,465	7,913	6	5	123	121	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	1,598	1,666	-4.1%	1,303	1,277	251	339	8	12	36	38	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	108	238	-54.7%	70	175	32	55	0	0	6	8	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	1,249,157	1,225,232	2.0%	662,363	620,161	533,731	548,257	4,074	4,408	48,989	52,405	0	0
Consumption of Fossil Fuels for Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	726	753	-3.5%	118	146	22	34	26	22	561	551	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	183	207	-11.6%	4	3	19	25	6	20	154	158	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	42	53	-20.5%	0	0	7	11	0	0	35	41	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	100,984	99,777	1.2%	4,827	3,791	27,019	25,380	5,305	5,793	63,832	64,813	0	0
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	32,298	34,975	-7.7%	24,096	26,329	7,487	7,948	31	27	683	671	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	1,781	1,872	-4.9%	1,307	1,280	270	364	14	32	190	197	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	150	290	-48.5%	70	175	39	66	0	0	41	49	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	1,350,141	1,325,009	1.9%	667,190	623,952	560,751	573,638	9,380	10,201	112,821	117,219	0	0
Fuel Stocks (end-of-month)														
Coal (1000 tons)	Utility Scale Facilities	123,319	119,282	3.4%	101,413	98,243	21,339	20,027	54	106	513	905	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	24,087	25,574	-5.8%	14,119	15,117	8,695	8,352	314	351	959	1,755	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	766	571	34.2%	439	273	5	6	1	1	322	292	0	0

Sales, Revenue, and Average Price of Electricity to Ultimate Customers for September									
Sector	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)		
	September 2024	September 2023	Percentage Change	September 2024	September 2023	Percentage Change	September 2024	September 2023	Percentage Change
Residential	128,429	132,807	-3.3%	21,616	21,602	0.1%	16.83	16.27	3.4%
Commercial	124,259	126,546	-1.8%	16,734	16,538	1.2%	13.47	13.07	3.1%
Industrial	87,127	86,472	0.8%	7,415	7,291	1.7%	8.51	8.43	0.9%
Transportation	564	652	-13.4%	73	94	-22.0%	13.01	14.45	-10.0%
All Sectors	340,380	346,476	-1.8%	45,840	45,525	0.7%	13.47	13.14	2.5%

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

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

Net Generation and Consumption of Fuels for January through September														
		Total (All Sectors)			Electric Power Sector				Commercial		Industrial		Residential	
					Electric Utilities		Independent Power Producers							
Fuel	Facility Type	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD
Net Generation (Thousand Megawatthours)														
Coal	Utility Scale Facilities	497,821	516,608	-3.6%	389,737	399,258	104,660	113,913	152	160	3,272	3,277	0	0
Petroleum Liquids	Utility Scale Facilities	8,787	8,582	2.4%	6,328	6,191	2,032	1,953	59	60	368	378	0	0
Petroleum Coke	Utility Scale Facilities	2,740	4,046	-32.3%	1,577	2,704	1,002	1,129	3	1	159	212	0	0
Natural Gas	Utility Scale Facilities	1,436,326	1,380,253	4.1%	731,402	690,233	625,051	610,929	6,145	5,833	73,727	73,259	0	0
Other Fossil Gas	Utility Scale Facilities	7,434	8,833	-15.8%	0	0	2,123	2,513	0	0	5,310	6,321	0	0
Nuclear	Utility Scale Facilities	590,102	582,326	1.3%	335,299	333,634	254,803	248,691	0	0	0	0	0	0
Hydroelectric Conventional	Utility Scale Facilities	187,706	193,276	-2.9%	168,033	173,656	18,763	18,763	232	225	678	688	0	0
Renewable Sources Excluding Hydroelectric	Utility Scale Facilities	549,746	490,014	12.2%	89,557	78,951	439,171	390,878	3,448	3,406	17,571	16,780	0	0
... Wind	Utility Scale Facilities	331,177	310,638	6.6%	62,470	57,857	268,511	252,604	111	97	85	80	0	0
... Solar Thermal and Photovoltaic	Utility Scale Facilities	171,538	131,851	30.1%	23,994	17,800	146,571	113,283	563	507	410	262	0	0
... Wood and Wood-Derived Fuels	Utility Scale Facilities	24,039	23,939	0.4%	1,842	2,040	5,546	5,866	83	80	16,569	15,953	0	0
... Other Biomass	Utility Scale Facilities	11,203	11,551	-3.0%	631	640	7,375	7,704	2,691	2,723	506	485	0	0
... Geothermal	Utility Scale Facilities	11,788	12,035	-2.1%	620	615	11,168	11,421	0	0	0	0	0	0
Hydroelectric Pumped Storage	Utility Scale Facilities	-4,496	-4,758	-5.5%	-3,248	-3,627	-1,248	-1,130	0	0	0	0	0	0
Other Energy Sources	Utility Scale Facilities	6,609	7,417	-10.9%	188	434	1,765	2,152	2,355	2,348	2,301	2,483	0	0
All Energy Sources	Utility Scale Facilities	3,282,774	3,186,598	3.0%	1,718,872	1,681,433	1,448,123	1,389,735	12,393	12,034	103,386	103,396	0	0
Estimated Small Scale Solar Photovoltaic	Small Scale Facilities	67,294	57,899	16.2%	0	0	0	0	17,900	15,815	3,749	3,479	45,645	38,604
Estimated Total Solar Photovoltaic	All Facilities	236,201	187,462	26.0%	23,994	17,800	143,939	110,995	18,464	16,322	4,160	3,741	45,645	38,604
Estimated Total Solar	All Facilities	238,833	189,750	25.9%	23,994	17,800	146,571	113,283	18,464	16,322	4,160	3,741	45,645	38,604
Consumption of Fossil Fuels for Electricity Generation														
Coal (1000 tons)	Utility Scale Facilities	284,058	295,467	-3.9%	217,849	224,108	65,046	70,210	51	50	1,112	1,099	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	16,891	16,135	4.7%	12,787	12,336	3,575	3,248	149	151	380	400	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	1,179	1,676	-29.6%	772	1,122	345	472	1	0	62	81	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	10,612,309	10,158,680	4.5%	5,607,718	5,271,450	4,514,866	4,397,589	37,347	37,079	452,378	452,562	0	0
Consumption of Fossil Fuels for Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	7,020	7,068	-0.7%	1,140	1,220	319	390	250	249	5,310	5,209	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	2,426	2,348	3.3%	60	48	199	244	382	203	1,785	1,853	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	416	466	-10.6%	2	8	75	88	4	2	335	367	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	927,096	901,511	2.8%	41,013	35,096	240,636	227,769	51,738	52,000	593,709	586,646	0	0
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	291,078	302,535	-3.8%	218,989	225,328	65,366	70,600	301	299	6,422	6,308	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	19,317	18,484	4.5%	12,847	12,384	3,774	3,492	531	354	2,165	2,253	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	1,596	2,141	-25.5%	774	1,130	420	561	5	2	398	448	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	11,539,406	11,060,190	4.3%	5,648,731	5,306,545	4,755,502	4,625,358	89,085	89,079	1,046,087	1,039,209	0	0

Sales, Revenue, and Average Price of Electricity to Ultimate Customers for January through September									
Total U.S. Electric Power Industry									
Sector	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)		
	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	Percentage Change
Residential	1,158,174	1,125,888	2.9%	190,403	179,811	5.9%	16.44	15.97	2.9%
Commercial	1,076,682	1,068,633	0.8%	139,940	134,997	3.7%	13.00	12.63	2.9%
Industrial	772,745	759,589	1.7%	63,381	61,671	2.8%	8.20	8.12	1.0%
Transportation	5,298	5,188	2.1%	673	667	1.0%	12.71	12.85	-1.1%
All Sectors	3,012,899	2,959,298	1.8%	394,398	377,145	4.6%	13.09	12.74	2.7%

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

Table 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)										
Fuel	Receipts		Cost		Number of Plants		Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)				(Physical Units)		(Dollars / Physical Unit)	
	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023
Coal (1000 tons)	31,630	35,126	45.74	47.69	172	199	270,440	325,385	47.33	47.32
Petroleum Liquids (1000 barrels)	993	1,344	105.93	139.53	88	166	9,907	13,850	114.43	122.34
Petroleum Coke (1000 tons)	125	118	87.22	104.81	3	3	811	1,091	84.98	118.33
Natural Gas (1000 Mcf)	1,137,448	1,220,588	2.45	2.96	593	824	9,625,651	10,138,909	2.75	3.52

Electric Utilities										
Fuel	Receipts		Cost		Number of Plants		Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)				(Physical Units)		(Dollars / Physical Unit)	
	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023
Coal (1000 tons)	23,880	27,065	47.38	49.49	130	148	205,030	246,838	49.57	48.92
Petroleum Liquids (1000 barrels)	741	992	104.83	139.30	64	102	7,245	9,933	113.99	122.63
Petroleum Coke (1000 tons)	125	118	87.22	104.81	3	3	811	1,091	84.98	118.33
Natural Gas (1000 Mcf)	573,713	600,954	2.71	3.38	309	443	4,842,415	5,091,650	3.03	3.98

Independent Power Producers										
Fuel	Receipts		Cost		Number of Plants		Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)				(Physical Units)		(Dollars / Physical Unit)	
	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023
Coal (1000 tons)	7,272	7,629	39.64	39.75	31	40	60,972	73,888	38.85	40.76
Petroleum Liquids (1000 barrels)	222	327	110.26	143.13	16	55	2,406	3,550	117.01	123.63
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	0.00	0.00
Natural Gas (1000 Mcf)	500,365	553,460	2.11	2.43	238	332	4,204,042	4,451,502	2.41	2.95

Commercial Sector										
Fuel	Receipts		Cost		Number of Plants		Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)				(Physical Units)		(Dollars / Physical Unit)	
	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023
Coal (1000 tons)	0	0	--	--	0	0	6	2	96.74	96.90
Petroleum Liquids (1000 barrels)	0	0	--	--	0	0	0	0	0.00	0.00
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	0.00	0.00
Natural Gas (1000 Mcf)	595	597	3.56	3.21	3	3	5,490	5,894	3.37	3.11

Industrial Sector										
Fuel	Receipts		Cost		Number of Plants		Receipts		Cost	
	(Physical Units)		(Dollars / Physical Unit)				(Physical Units)		(Dollars / Physical Unit)	
	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023
Coal (1000 tons)	478	431	56.60	75.33	11	11	4,432	4,657	59.53	66.24
Petroleum Liquids (1000 barrels)	29	25	100.75	104.23	8	9	257	367	102.80	102.82
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	0.00	0.00
Natural Gas (1000 Mcf)	62,775	65,578	2.28	2.88	43	46	573,704	589,862	2.44	3.05

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.

Natural Gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.

Petroleum Coke includes petroleum coke and synthesis gas derived from petroleum coke.

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)												
Fuel	Receipts						Cost					
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)			
	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023		
Coal	596,359	662,007	2.42	2.53	172	199	5,127,816	6,124,944	2.49	2.51		
Petroleum Liquids	6,088	8,201	17.27	22.84	88	166	60,360	83,932	18.78	20.18		
Petroleum Coke	3,518	3,289	3.09	3.76	3	3	22,853	30,656	3.02	4.21		
Natural Gas	1,175,280	1,258,226	2.37	2.87	593	824	9,945,270	10,467,929	2.66	3.41		
Fossil Fuels	1,781,246	1,931,723	2.45	2.84	702	952	15,156,299	16,707,461	2.67	3.15		

Electric Utilities												
Fuel	Receipts						Cost					
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)			
	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023		
Coal	456,096	517,934	2.48	2.59	130	148	3,953,293	4,711,919	2.57	2.56		
Petroleum Liquids	4,531	6,073	17.15	22.75	64	102	44,115	60,179	18.72	20.24		
Petroleum Coke	3,518	3,289	3.09	3.76	3	3	22,853	30,656	3.02	4.21		
Natural Gas	592,540	618,399	2.62	3.28	309	443	4,998,319	5,250,522	2.94	3.86		
Fossil Fuels	1,056,685	1,145,695	2.62	3.07	392	537	9,018,580	10,053,276	2.85	3.35		

Independent Power Producers												
Fuel	Receipts						Cost					
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)			
	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023		
Coal	130,820	135,357	2.20	2.24	31	40	1,085,001	1,319,879	2.18	2.28		
Petroleum Liquids	1,377	1,974	17.80	23.62	16	55	14,661	21,512	19.20	20.35		
Petroleum Coke	0	0	--	--	0	0	0	0	0.00	0.00		
Natural Gas	517,579	571,702	2.04	2.35	238	332	4,351,081	4,604,760	2.33	2.85		
Fossil Fuels	649,776	709,033	2.12	2.39	262	364	5,450,743	5,946,151	2.35	2.77		

Commercial Sector												
Fuel	Receipts						Cost					
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)			
	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023		
Coal	0	0	--	--	0	0	128	43	4.28	4.28		
Petroleum Liquids	0	0	--	--	0	0	0	0	0.00	0.00		
Petroleum Coke	0	0	--	--	0	0	0	0	0.00	0.00		
Natural Gas	618	619	3.42	3.10	3	3	5,698	6,096	3.25	3.00		
Fossil Fuels	618	619	3.42	3.10	3	3	5,826	6,139	3.27	3.01		

Industrial Sector												
Fuel	Receipts						Cost					
	(Billion Btu)		(Dollars / Million Btu)		Number of Plants		(Billion Btu)		(Dollars / Million Btu)			
	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023		
Coal	9,443	8,716	2.86	3.73	11	11	89,395	93,104	2.95	3.31		
Petroleum Liquids	181	154	16.22	16.85	8	9	1,583	2,241	16.71	16.85		
Petroleum Coke	0	0	--	--	0	0	0	0	0.00	0.00		
Natural Gas	64,542	67,506	2.21	2.80	43	46	590,172	606,551	2.37	2.97		
Fossil Fuels	74,166	76,376	2.33	2.93	45	48	681,150	701,896	2.48	3.06		

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.
Petroleum Coke includes petroleum coke and synthesis gas derived from petroleum coke.

Chapter 1

Net Generation

Table 1.2.E. Net Generation by Energy Source: Residential Sector, 2014-September 2024
(Thousand Megawatthours)

Period	Small Scale Generation	
		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		49,273
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		2,625
February		2,894
March		3,954
April		4,478
May		5,073
June		4,948
July		5,173
August		5,049
Sept		4,409
October		4,155
November		3,428
December		3,087
Year 2024		
January		3,281
February		3,696
March		4,854
April		5,385
May		5,847
June		5,863
July		5,947
August		5,698
Sept		5,074
Year to Date		
2022		31,049
2023		38,604
2024		45,645
Rolling 12 Months Ending in September		
2023		47,066
2024		56,314

See Glossary for definitions. Values for 2023 and prior years are final. Values for 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, September 2024 and 2023 (Thousand Megawatthours)

Census Division and State	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	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023
New England	8,726	9,017	-3.2%	137	108	8,235	8,549	181	175	174	185
Connecticut	3,572	3,625	-1.4%	5	7	3,486	3,533	25	26	56	59
Maine	1,075	962	11.8%	NM	0	984	865	3	3	88	93
Massachusetts	1,337	1,713	-22.0%	42	48	1,136	1,513	144	137	14	15
New Hampshire	1,722	1,501	14.8%	NM	1	1,714	1,493	5	5	2	2
Rhode Island	820	1,065	-23.0%	0	0	804	1,044	3	5	13	16
Vermont	199	152	31.0%	88	52	112	100	0	0	0	0
Middle Atlantic	34,458	35,749	-3.6%	2,848	2,841	30,854	32,137	306	329	450	441
New Jersey	4,859	5,455	-10.9%	26	27	4,699	5,291	81	85	52	52
New York	10,262	10,341	-0.8%	2,818	2,810	7,200	7,270	178	194	66	68
Pennsylvania	19,338	19,952	-3.1%	4	4	18,955	19,577	47	50	332	321
East North Central	49,627	49,064	1.1%	18,505	18,056	30,279	30,029	152	158	691	821
Illinois	14,687	13,970	5.1%	463	382	14,033	13,358	36	41	154	190
Indiana	6,707	6,990	-4.0%	4,342	4,368	2,089	2,221	21	20	255	381
Michigan	10,771	10,319	4.4%	7,856	7,658	2,758	2,496	56	58	101	106
Ohio	11,905	12,170	-2.2%	1,354	1,094	10,460	11,012	29	30	62	34
Wisconsin	5,556	5,615	-1.0%	4,490	4,553	938	942	10	10	118	110
West North Central	28,599	28,699	-0.3%	20,758	21,829	7,407	6,483	58	55	376	332
Iowa	5,456	5,485	-0.5%	4,369	4,491	878	820	13	11	196	163
Kansas	5,185	4,660	11.3%	3,146	2,793	2,028	1,833	NM	1	NM	33
Minnesota	4,561	4,611	-1.1%	3,102	3,275	1,316	1,217	24	24	118	94
Missouri	5,375	5,692	-5.6%	4,783	5,074	571	598	18	17	2	2
Nebraska	3,347	3,379	-1.0%	2,288	2,541	1,029	816	2	2	29	21
North Dakota	3,246	3,328	-2.5%	2,456	2,654	776	660	0	0	15	14
South Dakota	1,428	1,543	-7.5%	615	1,000	808	538	NM	NM	5	5
South Atlantic	71,017	69,425	2.3%	58,866	57,404	10,629	10,532	208	219	1,314	1,270
Delaware	366	385	-5.0%	7	5	256	271	NM	1	101	108
District of Columbia	19	16	22.1%	NM	0	NM	2	15	14	0	0
Florida	25,224	24,225	4.1%	23,691	22,800	1,146	1,026	85	92	302	308
Georgia	11,068	11,423	-3.1%	8,951	9,367	1,728	1,705	NM	0	389	351
Maryland	2,702	2,930	-7.8%	220	222	2,459	2,674	18	29	5	5
North Carolina	10,618	10,648	-0.3%	8,692	8,724	1,798	1,777	23	23	105	124
South Carolina	8,350	8,436	-1.0%	7,876	7,984	328	325	0	0	146	127
Virginia	9,078	7,385	22.9%	6,728	5,424	2,113	1,739	65	61	172	162
West Virginia	3,593	3,976	-9.7%	2,701	2,878	796	1,013	0	0	95	86
East South Central	30,205	29,772	1.5%	25,705	25,751	3,745	3,274	16	18	739	729
Alabama	11,891	11,376	4.5%	8,425	8,058	3,087	2,927	0	0	380	391
Kentucky	5,394	5,135	5.1%	5,274	5,061	74	52	NM	0	46	21
Mississippi	6,700	6,369	5.2%	6,110	6,107	443	113	0	0	147	150
Tennessee	6,219	6,892	-9.8%	5,895	6,525	142	183	16	18	166	167
West South Central	71,059	74,163	-4.2%	22,965	24,185	42,039	43,399	106	93	5,950	6,486
Arkansas	5,016	5,568	-9.9%	4,335	5,061	588	432	NM	6	88	69
Louisiana	8,566	8,940	-4.2%	5,867	5,972	554	471	NM	8	2,141	2,490
Oklahoma	7,309	8,013	-8.8%	3,766	4,071	3,479	3,902	-1	-2	64	42
Texas	50,168	51,641	-2.9%	8,996	9,081	37,418	38,594	97	81	3,657	3,885
Mountain	33,071	32,178	2.8%	22,313	22,493	10,455	9,360	54	54	250	271
Arizona	10,859	10,433	4.1%	8,051	7,883	2,791	2,533	14	14	NM	3
Colorado	4,812	4,724	1.9%	3,028	3,255	1,761	1,446	4	3	20	19
Idaho	1,371	1,460	-6.1%	851	966	472	445	6	6	44	44
Montana	2,154	2,061	4.5%	646	724	1,506	1,335	0	0	2	2
Nevada	4,112	3,545	16.0%	2,263	2,026	1,789	1,450	10	10	50	59
New Mexico	3,110	3,275	-5.0%	1,926	1,883	1,175	1,380	9	9	0	2
Utah	3,323	3,135	6.0%	2,705	2,642	584	466	11	12	23	15
Wyoming	3,331	3,545	-6.0%	2,846	3,114	377	304	0	0	108	126
Pacific Contiguous	31,132	30,962	0.6%	15,387	15,855	14,362	13,708	202	208	1,182	1,191
California	19,279	18,591	3.7%	6,794	6,842	11,322	10,569	191	202	972	978
Oregon	4,841	5,033	-3.8%	2,882	3,092	1,891	1,893	11	6	57	42
Washington	7,013	7,337	-4.4%	5,711	5,920	1,149	1,245	NM	1	152	171
Pacific Noncontiguous	1,296	1,301	-0.3%	934	935	278	284	59	54	25	27
Alaska	500	513	-2.5%	451	466	16	12	27	26	6	8
Hawaii	796	787	1.1%	483	469	262	272	32	28	18	19
U.S. Total	359,190	360,328	-0.3%	188,418	189,456	158,282	157,755	1,340	1,365	11,150	11,753

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 for 2024 are preliminary. Values for 2023 are final. 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, September 2024 and 2023 (Thousand Megawatthours)

Census Division and State	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	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023
New England	3	0	781.3%	0	0	3	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	3	0	781.3%	0	0	3	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	766	NM	0	0	NM	759	0	0	7	7
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	NM	766	NM	0	0	NM	759	0	0	7	7
East North Central	11,693	13,100	-10.7%	7,553	8,339	4,083	4,679	3	1	53	81
Illinois	2,362	2,035	16.0%	135	137	2,181	1,827	NM	1	44	70
Indiana	2,869	3,439	-16.6%	2,588	3,069	280	371	1	0	0	0
Michigan	2,559	2,400	6.7%	2,549	2,392	10	8	0	0	0	0
Ohio	2,015	2,842	-29.1%	403	369	1,612	2,473	0	0	0	0
Wisconsin	1,887	2,383	-20.8%	1,878	2,373	0	0	0	0	9	11
West North Central	10,453	11,161	-6.3%	10,279	11,005	0	0	1	1	172	156
Iowa	1,455	1,592	-8.6%	1,329	1,482	0	0	0	0	125	110
Kansas	1,577	1,368	15.3%	1,577	1,368	0	0	0	0	0	0
Minnesota	877	933	-6.0%	866	920	0	0	1	1	10	13
Missouri	3,126	3,423	-8.7%	3,126	3,423	0	0	0	0	0	0
Nebraska	1,635	1,751	-6.6%	1,608	1,730	0	0	0	0	27	21
North Dakota	1,675	1,919	-12.7%	1,666	1,907	0	0	0	0	10	12
South Dakota	107	175	-38.7%	107	175	0	0	0	0	0	0
South Atlantic	7,635	9,108	-16.2%	7,112	8,064	495	1,017	1	1	28	26
Delaware	-2	3	-174.4%	0	0	-2	3	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	911	1,186	-23.2%	909	1,184	0	0	0	0	1	3
Georgia	1,480	1,583	-6.5%	1,467	1,576	0	0	0	0	13	7
Maryland	118	318	-62.8%	0	0	118	318	0	0	0	0
North Carolina	761	1,224	-37.8%	758	1,220	0	0	1	1	3	3
South Carolina	1,336	1,216	9.9%	1,334	1,216	0	0	0	0	3	0
Virginia	59	64	-7.3%	51	50	0	0	0	0	8	13
West Virginia	2,971	3,514	-15.4%	2,593	2,818	379	696	0	0	0	0
East South Central	6,698	6,905	-3.0%	6,416	6,800	254	73	0	0	28	33
Alabama	1,542	1,622	-5.0%	1,542	1,622	0	0	0	0	0	0
Kentucky	3,224	3,593	-10.3%	3,224	3,593	0	0	0	0	0	0
Mississippi	433	259	67.3%	180	186	254	73	0	0	0	0
Tennessee	1,498	1,432	4.7%	1,470	1,399	0	0	0	0	28	33
West South Central	9,083	9,753	-6.9%	4,219	4,890	4,854	4,854	0	0	10	9
Arkansas	1,465	1,611	-9.1%	1,151	1,369	311	240	0	0	2	2
Louisiana	376	410	-8.4%	358	394	17	16	0	0	0	0
Oklahoma	566	445	27.1%	558	438	0	0	0	0	8	7
Texas	6,677	7,286	-8.4%	2,151	2,689	4,526	4,597	0	0	0	0
Mountain	8,353	8,722	-4.2%	7,117	7,575	1,207	1,122	0	0	29	26
Arizona	949	931	1.9%	949	931	0	0	0	0	0	0
Colorado	1,553	1,702	-8.8%	1,553	1,702	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	1,004	979	2.6%	0	0	1,003	978	0	0	NM	0
Nevada	202	149	35.0%	90	63	111	87	0	0	0	0
New Mexico	797	786	1.4%	797	786	0	0	0	0	0	0
Utah	1,760	1,448	21.5%	1,725	1,448	34	0	0	0	0	0
Wyoming	2,088	2,726	-23.4%	2,002	2,644	58	57	0	0	28	25
Pacific Contiguous	295	380	-22.3%	0	0	272	359	0	0	23	21
California	21	19	14.6%	0	0	0	0	0	0	21	19
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	274	361	-24.2%	0	0	272	359	0	0	2	2
Pacific Noncontiguous	71	64	11.2%	48	43	11	9	12	12	0	0
Alaska	71	64	11.2%	48	43	11	9	12	12	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	54,526	59,959	-9.1%	42,744	46,714	11,414	12,872	17	15	351	358

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 for 2024 are preliminary. Values for 2023 are final. 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 September 2024 and 2023 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	Generation at Utility Scale Facilities			Electric Utilities		Independent Power Producers		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD
New England	123	140	-11.8%	0	0	123	140	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	22	28	-21.1%	0	0	22	28	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	102	112	-9.6%	0	0	102	112	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	10,238	10,841	-5.6%	0	0	10,175	10,770	0	0	63	71
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	10,238	10,841	-5.6%	0	0	10,175	10,770	0	0	63	71
East North Central	108,639	107,507	1.1%	66,240	65,655	41,827	41,012	23	36	549	805
Illinois	21,295	20,343	4.7%	914	1,006	19,912	18,605	12	16	457	715
Indiana	30,762	30,916	-0.5%	28,218	27,889	2,533	3,006	11	20	0	0
Michigan	18,557	17,445	6.4%	18,438	17,288	115	156	0	0	NM	0
Ohio	22,763	22,586	0.8%	3,495	3,341	19,268	19,244	0	0	0	0
Wisconsin	15,261	16,219	-5.9%	15,174	16,130	0	0	0	0	87	89
West North Central	90,288	97,865	-7.7%	88,751	96,490	0	0	13	11	1,524	1,363
Iowa	10,377	13,677	-24.1%	9,280	12,719	0	0	2	7	1,095	950
Kansas	10,465	12,865	-18.7%	10,465	12,865	0	0	0	0	0	0
Minnesota	8,854	9,115	-2.9%	8,750	9,001	0	0	6	2	98	112
Missouri	30,138	30,547	-1.3%	30,132	30,545	0	0	6	2	0	0
Nebraska	12,093	13,648	-11.4%	11,851	13,443	0	0	0	0	242	204
North Dakota	17,162	16,824	2.0%	17,073	16,727	0	0	0	0	88	97
South Dakota	1,201	1,189	1.0%	1,201	1,189	0	0	0	0	0	0
South Atlantic	85,959	82,951	3.6%	78,766	73,770	6,934	8,923	13	NM	245	255
Delaware	78	-7	NM	0	0	78	-7	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	6,765	9,194	-26.4%	6,751	9,176	0	0	0	0	13	19
Georgia	14,562	13,025	11.8%	14,447	12,945	0	0	0	0	115	80
Maryland	1,912	1,507	26.9%	0	0	1,912	1,507	0	0	0	0
North Carolina	13,789	10,784	27.9%	13,750	10,719	0	0	13	NM	27	61
South Carolina	12,655	11,838	6.9%	12,644	11,758	0	62	0	0	11	18
Virginia	1,395	1,175	18.7%	1,316	1,099	0	0	0	0	79	77
West Virginia	34,803	35,435	-1.8%	29,858	28,073	4,945	7,361	0	0	0	0
East South Central	66,726	64,337	3.7%	65,002	62,063	1,358	1,996	0	0	367	278
Alabama	15,655	15,304	2.3%	15,655	15,304	0	0	0	0	0	0
Kentucky	34,799	33,053	5.3%	34,799	33,053	0	0	0	0	0	0
Mississippi	2,568	3,164	-18.8%	1,210	1,167	1,358	1,996	0	0	0	0
Tennessee	13,704	12,817	6.9%	13,337	12,539	0	0	0	0	367	278
West South Central	69,173	75,551	-8.4%	35,110	37,525	34,004	37,981	0	0	59	45
Arkansas	12,597	12,927	-2.5%	10,350	10,324	2,224	2,577	0	0	23	26
Louisiana	3,148	3,280	-4.0%	2,412	2,796	736	484	0	0	0	0
Oklahoma	4,590	4,339	5.8%	4,554	4,320	0	0	0	0	36	19
Texas	48,838	55,006	-11.2%	17,793	20,085	31,045	34,920	0	0	0	0
Mountain	64,101	73,601	-12.9%	55,489	63,392	8,350	9,931	0	0	262	278
Arizona	7,564	8,583	-11.9%	7,564	8,583	0	0	0	0	0	0
Colorado	12,347	13,795	-10.5%	12,347	13,795	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	6,816	8,450	-19.3%	0	0	6,813	8,446	0	0	NM	4
Nevada	1,772	1,452	22.0%	895	694	877	758	0	0	0	0
New Mexico	7,019	6,476	8.4%	7,019	6,476	0	0	0	0	0	0
Utah	10,515	12,186	-13.7%	10,229	11,942	286	244	0	0	0	0
Wyoming	18,068	22,659	-20.3%	17,435	21,903	375	483	0	0	259	274
Pacific Contiguous	1,989	3,237	-38.6%	0	0	1,785	3,055	0	0	203	182
California	186	165	12.8%	0	0	0	0	0	0	186	165
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	1,803	3,073	-41.3%	0	0	1,785	3,055	0	0	18	18
Pacific Noncontiguous	585	578	1.3%	379	363	103	105	103	110	0	0
Alaska	585	578	1.3%	379	363	103	105	103	110	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	497,821	516,608	-3.6%	389,737	399,258	104,660	113,913	152	160	3,272	3,277

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 for 2024 are preliminary. Values for 2023 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

Table 1.5.A. Utility Scale Facility Net Generation from Petroleum Liquids by State, by Sector, September 2024 and 2023 (Thousand Megawatthours)

Census Division and State	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	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023
New England	11	22	-51.2%	NM	3	7	17	NM	NM	1	1
Connecticut	6	5	15.0%	NM	0	6	5	NM	0	0	0
Maine	1	4	-74.0%	0	0	NM	4	0	0	1	1
Massachusetts	2	8	-74.8%	NM	2	1	5	NM	1	0	0
New Hampshire	NM	4	NM	0	0	NM	3	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	0	0	NM	0	0
Vermont	NM	0	NM	NM	0	0	0	0	0	0	0
Middle Atlantic	15	32	-54.2%	3	9	9	21	1	1	1	1
New Jersey	NM	0	NM	0	0	NM	0	NM	0	0	0
New York	12	28	-58.3%	3	9	7	18	NM	0	0	1
Pennsylvania	3	4	-31.5%	NM	0	NM	3	0	1	1	0
East North Central	33	27	22.4%	NM	19	11	7	NM	0	1	1
Illinois	2	2	12.4%	NM	0	2	1	NM	0	0	0
Indiana	5	6	-12.2%	5	6	0	0	0	0	NM	0
Michigan	8	8	-10.6%	7	8	0	0	NM	0	0	0
Ohio	13	7	79.4%	2	1	10	5	NM	0	0	1
Wisconsin	NM	3	NM	NM	3	0	0	NM	0	NM	0
West North Central	NM	35	NM	NM	34	NM	0	0	0	0	0
Iowa	NM	7	NM	NM	7	NM	0	0	0	NM	0
Kansas	4	5	-10.4%	4	5	0	0	0	0	0	0
Minnesota	NM	3	NM	NM	3	NM	0	NM	0	0	0
Missouri	13	13	-0.5%	12	13	0	0	0	0	0	0
Nebraska	NM	3	NM	NM	3	0	0	0	0	0	0
North Dakota	NM	4	NM	NM	4	0	0	0	0	0	0
South Dakota	NM	1	NM	NM	1	0	0	NM	NM	0	0
South Atlantic	55	66	-16.7%	34	38	8	15	NM	2	12	12
Delaware	NM	0	NM	0	1	NM	-1	0	0	0	0
District of Columbia	NM	0	NM	0	0	0	0	NM	0	0	0
Florida	12	11	12.4%	12	10	NM	0	0	0	1	1
Georgia	15	10	44.7%	5	1	NM	0	NM	0	10	9
Maryland	3	12	-71.3%	NM	0	4	12	NM	0	0	0
North Carolina	4	5	-10.8%	3	4	NM	0	NM	0	NM	0
South Carolina	7	8	-17.8%	6	8	NM	0	0	0	1	0
Virginia	7	11	-36.0%	3	6	4	2	0	1	NM	1
West Virginia	6	8	-30.5%	6	8	0	0	0	0	0	0
East South Central	19	8	132.3%	18	6	NM	NM	0	0	NM	2
Alabama	1	3	-59.7%	1	2	NM	NM	0	0	NM	2
Kentucky	4	3	53.5%	4	3	0	0	0	0	0	0
Mississippi	0	0	83.0%	NM	0	0	0	0	0	0	0
Tennessee	13	2	579.0%	13	2	0	0	0	0	0	0
West South Central	20	19	5.9%	10	9	10	9	NM	0	0	0
Arkansas	2	4	-40.2%	2	4	0	0	0	0	NM	0
Louisiana	NM	1	NM	NM	1	0	0	0	0	0	0
Oklahoma	3	3	6.2%	3	3	0	0	0	0	0	0
Texas	14	11	34.7%	4	2	10	9	NM	0	0	0
Mountain	NM	18	NM	NM	16	0	1	NM	0	0	0
Arizona	NM	3	NM	NM	3	0	0	NM	0	0	0
Colorado	NM	7	NM	NM	7	0	0	0	0	0	0
Idaho	0	0	0.0%	0	0	0	0	0	0	0	0
Montana	NM	1	NM	NM	0	NM	1	0	0	0	0
Nevada	0	1	-32.1%	0	1	0	0	0	0	0	0
New Mexico	NM	0	NM	NM	0	0	0	0	0	0	0
Utah	3	2	39.5%	3	2	0	0	0	0	0	0
Wyoming	5	4	25.6%	5	4	0	0	0	0	0	0
Pacific Contiguous	NM	5	NM	NM	3	1	1	1	0	NM	1
California	NM	3	NM	NM	3	0	0	1	0	NM	0
Oregon	NM	0	NM	0	0	0	0	NM	0	0	0
Washington	NM	2	NM	NM	0	1	1	0	0	NM	1
Pacific Noncontiguous	672	662	1.5%	535	514	119	130	0	0	18	18
Alaska	64	58	11.6%	60	54	0	0	NM	0	4	4
Hawaii	608	604	0.6%	475	460	119	130	0	0	14	14
U.S. Total	876	894	-2.0%	670	653	167	200	3	4	35	36

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 for 2024 are preliminary. Values for 2023 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

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

by State, by Sector, Year-to-Date through September 2024 and 2023 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	Generation at Utility Scale Facilities			Electric Utilities		Independent Power Producers		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD
New England	268	351	-23.6%	38	27	200	292	19	17	12	14
Connecticut	105	120	-12.0%	3	4	100	112	NM	1	1	3
Maine	36	56	-36.0%	0	0	26	45	0	0	10	11
Massachusetts	94	87	8.8%	32	22	52	59	NM	6	1	0
New Hampshire	NM	59	NM	0	0	NM	50	7	8	0	0
Rhode Island	NM	28	NM	0	0	NM	27	NM	NM	0	0
Vermont	NM	2	NM	NM	2	0	0	0	0	0	0
Middle Atlantic	401	418	-4.0%	116	121	260	263	15	20	11	13
New Jersey	12	39	-69.4%	0	0	11	38	NM	1	0	0
New York	319	340	-6.3%	115	121	187	195	11	15	NM	10
Pennsylvania	70	38	83.5%	1	1	62	30	2	4	NM	3
East North Central	302	277	9.3%	192	183	100	83	1	1	9	10
Illinois	18	16	16.2%	4	4	14	11	NM	0	0	0
Indiana	69	72	-3.3%	68	65	0	5	1	0	0	1
Michigan	70	70	0.4%	68	66	0	0	NM	0	2	4
Ohio	101	81	24.9%	11	10	86	67	0	1	NM	4
Wisconsin	NM	39	NM	NM	37	0	0	0	0	4	1
West North Central	383	330	16.1%	377	324	NM	2	2	1	2	2
Iowa	46	45	1.6%	44	44	1	1	0	NM	NM	0
Kansas	90	43	108.5%	90	43	0	0	0	0	0	0
Minnesota	NM	43	NM	NM	39	NM	1	1	1	2	2
Missouri	123	109	13.6%	123	108	0	0	0	0	0	0
Nebraska	NM	31	NM	NM	31	0	0	0	0	0	0
North Dakota	36	39	-9.3%	36	39	0	0	0	0	0	0
South Dakota	NM	20	NM	NM	20	0	0	NM	NM	0	0
South Atlantic	939	715	31.4%	523	468	259	103	13	11	145	133
Delaware	NM	2	NM	0	1	NM	1	0	0	0	0
District of Columbia	NM	0	NM	0	0	0	0	NM	0	0	0
Florida	147	189	-22.3%	137	176	NM	9	0	0	5	5
Georgia	174	129	34.1%	38	20	NM	3	1	0	123	106
Maryland	155	47	226.9%	-1	-1	156	48	NM	0	0	NM
North Carolina	134	62	115.3%	106	44	20	4	NM	1	NM	13
South Carolina	76	74	3.0%	69	66	1	3	0	0	6	5
Virginia	146	95	54.8%	82	47	50	33	9	9	5	5
West Virginia	91	116	-21.3%	91	114	0	2	0	0	0	0
East South Central	140	147	-5.0%	129	135	NM	NM	0	0	10	12
Alabama	13	17	-26.6%	4	6	NM	NM	0	0	8	11
Kentucky	43	44	-2.7%	43	44	0	0	0	0	0	0
Mississippi	6	5	23.0%	4	4	0	0	0	0	2	1
Tennessee	78	80	-3.2%	78	80	0	0	0	0	0	0
West South Central	275	197	39.2%	114	80	155	114	NM	0	5	3
Arkansas	27	36	-24.3%	22	29	5	7	0	0	NM	0
Louisiana	NM	8	NM	NM	8	0	0	0	0	0	0
Oklahoma	22	17	30.4%	20	16	0	0	0	0	3	2
Texas	214	137	56.5%	61	28	150	107	NM	0	3	2
Mountain	147	132	10.8%	132	122	14	10	NM	0	0	0
Arizona	20	22	-8.6%	20	22	0	0	NM	0	0	0
Colorado	NM	37	NM	NM	37	3	0	0	0	0	0
Idaho	0	0	30.8%	0	0	0	0	0	0	0	0
Montana	16	7	128.6%	6	0	10	7	0	0	0	0
Nevada	5	5	-15.5%	4	5	1	1	0	0	0	0
New Mexico	NM	1	NM	NM	1	0	0	0	0	0	0
Utah	24	23	3.4%	23	21	NM	2	0	0	0	0
Wyoming	34	36	-4.6%	34	36	0	0	0	0	0	0
Pacific Contiguous	69	80	-14.4%	NM	38	12	5	5	4	11	33
California	45	59	-24.4%	25	25	5	2	5	3	9	30
Oregon	NM	0	NM	0	0	0	0	NM	0	0	0
Washington	NM	21	NM	NM	14	7	4	0	0	1	3
Pacific Noncontiguous	5,863	5,935	-1.2%	4,667	4,693	1,030	1,080	4	5	163	157
Alaska	732	646	13.4%	689	607	0	0	2	1	42	38
Hawaii	5,131	5,289	-3.0%	3,978	4,086	1,030	1,080	3	4	121	119
U.S. Total	8,787	8,582	2.4%	6,328	6,191	2,032	1,953	59	60	368	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 for 2024 are preliminary. Values for 2023 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

Table 1.6.A. Utility Scale Facility Net Generation from Petroleum Coke by State, by Sector, September 2024 and 2023 (Thousand Megawatthours)

Census Division and State	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	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 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	198	245	-19.1%	116	137	70	94	0	0	12	14
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	128	145	-11.4%	116	132	0	0	0	0	12	13
Ohio	70	95	-26.5%	0	0	70	94	0	0	0	1
Wisconsin	0	5	-100.0%	0	5	0	0	0	0	0	0
West North Central	0	0	--	0	0	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	25	75	-66.0%	25	73	0	0	0	0	0	2
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	25	73	-64.9%	25	73	0	0	0	0	0	0
Georgia	0	2	-100.0%	0	0	0	0	0	0	0	2
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	234	-98.8%	0	231	0	0	0	0	3	3
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	231	-100.0%	0	231	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3	3	-10.9%	0	0	0	0	0	0	3	3
Mountain	31	38	-18.3%	0	0	31	38	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	31	38	-18.3%	0	0	31	38	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	258	592	-56.5%	142	441	101	132	0	0	15	19

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

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values for 2024 are preliminary. Values for 2023 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

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

by State, by Sector, Year-to-Date through September 2024 and 2023 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	Generation at Utility Scale Facilities			Electric Utilities		Independent Power Producers		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 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	1,753	1,758	-0.3%	957	864	692	772	0	0	104	122
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	1,057	945	11.9%	954	824	0	0	0	0	103	120
Ohio	693	774	-10.5%	0	0	692	772	0	0	1	1
Wisconsin	3	40	-92.2%	3	40	0	0	0	0	0	0
West North Central	4	1	148.2%	0	0	0	0	3	1	1	0
Iowa	4	1	148.2%	0	0	0	0	3	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	593	909	-34.7%	583	866	0	0	0	0	10	42
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	583	866	-32.7%	583	866	0	0	0	0	0	0
Georgia	10	42	-76.0%	0	0	0	0	0	0	10	42
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	-100.0%	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	-100.0%	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	81	1,021	-92.1%	37	973	0	0	0	0	44	48
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	37	973	-96.2%	37	973	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	44	48	-7.4%	0	0	0	0	0	0	44	48
Mountain	310	356	-13.1%	0	0	310	356	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	310	356	-13.1%	0	0	310	356	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	2,740	4,046	-32.3%	1,577	2,704	1,002	1,129	3	1	159	212

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 for 2024 are preliminary. Values for 2023 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

Table 1.7.A. Utility Scale Facility Net Generation from Natural Gas by State, by Sector, September 2024 and 2023 (Thousand Megawatthours)

Census Division and State	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	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023
New England	5,020	5,266	-4.7%	NM	16	4,817	5,054	91	89	99	107
Connecticut	2,332	2,162	7.9%	3	3	2,248	2,075	25	25	56	58
Maine	432	370	17.0%	0	0	415	351	3	3	14	16
Massachusetts	912	1,315	-30.6%	NM	13	830	1,232	59	56	13	14
New Hampshire	610	427	42.9%	0	0	607	423	1	1	2	2
Rhode Island	732	994	-26.3%	0	0	717	973	2	4	13	16
Vermont	0	0	24.4%	0	0	0	0	0	0	0	0
Middle Atlantic	19,739	20,694	-4.6%	1,079	960	18,218	19,290	95	107	346	337
New Jersey	2,144	2,785	-23.0%	NM	16	2,079	2,710	17	21	34	37
New York	5,484	5,421	1.2%	1,063	942	4,307	4,356	67	73	48	50
Pennsylvania	12,110	12,488	-3.0%	2	2	11,832	12,223	12	14	264	250
East North Central	20,481	19,640	4.3%	7,385	6,758	12,641	12,364	137	145	319	372
Illinois	3,132	2,783	12.5%	316	232	2,709	2,438	34	40	73	74
Indiana	2,821	2,730	3.3%	1,496	1,131	1,205	1,417	19	19	101	163
Michigan	4,753	4,824	-1.5%	2,528	2,750	2,128	1,975	50	52	47	46
Ohio	7,572	7,303	3.7%	925	722	6,600	6,535	28	29	19	17
Wisconsin	2,204	2,000	10.2%	2,120	1,924	0	0	6	5	78	71
West North Central	3,894	3,946	-1.3%	3,004	3,080	740	721	34	32	116	113
Iowa	874	953	-8.2%	801	897	0	0	11	10	63	46
Kansas	519	402	29.1%	509	371	0	0	0	0	NM	31
Minnesota	1,094	1,149	-4.8%	599	694	452	418	9	9	33	29
Missouri	865	945	-8.5%	561	627	288	303	13	13	2	2
Nebraska	136	109	24.6%	133	109	0	0	1	0	2	0
North Dakota	250	224	11.6%	248	223	0	0	0	0	2	0
South Dakota	156	163	-4.4%	153	160	0	0	0	0	NM	4
South Atlantic	40,087	37,160	7.9%	33,905	31,478	5,701	5,188	53	58	428	435
Delaware	333	345	-3.6%	7	4	241	254	0	0	85	87
District of Columbia	11	9	11.5%	0	0	0	0	11	9	0	0
Florida	20,498	18,708	9.6%	19,449	17,780	912	787	NM	9	126	132
Georgia	4,981	5,503	-9.5%	3,943	4,519	972	921	0	0	66	63
Maryland	1,081	1,103	-2.0%	219	222	841	849	16	27	5	5
North Carolina	5,179	4,598	12.6%	4,409	3,847	748	725	NM	12	10	14
South Carolina	2,079	2,009	3.5%	1,997	1,947	69	51	0	0	13	11
Virginia	5,571	4,594	21.3%	3,834	3,148	1,667	1,385	3	0	66	61
West Virginia	356	290	22.8%	47	12	252	215	0	0	58	63
East South Central	14,683	12,651	16.1%	11,331	9,507	3,045	2,840	15	17	292	287
Alabama	6,244	5,051	23.6%	3,121	2,114	2,991	2,804	0	0	132	133
Kentucky	1,822	1,265	44.0%	1,752	1,223	52	35	0	0	18	7
Mississippi	4,958	4,952	0.1%	4,917	4,902	NM	0	0	0	38	50
Tennessee	1,659	1,383	20.0%	1,540	1,269	0	0	15	17	104	97
West South Central	40,950	42,847	-4.4%	15,190	15,363	20,191	21,530	101	91	5,467	5,862
Arkansas	1,850	2,384	-22.4%	1,714	2,247	117	121	NM	3	16	12
Louisiana	6,294	6,349	-0.9%	4,040	3,794	335	407	NM	8	1,915	2,141
Oklahoma	4,224	4,668	-9.5%	2,695	3,031	1,494	1,609	0	0	35	28
Texas	28,583	29,445	-2.9%	6,741	6,291	18,246	19,393	95	80	3,501	3,681
Mountain	12,101	11,880	1.9%	9,560	9,019	2,348	2,657	38	38	156	165
Arizona	5,515	5,428	1.6%	3,817	3,641	1,686	1,775	12	12	0	0
Colorado	1,254	1,287	-2.5%	999	1,096	241	176	0	0	13	15
Idaho	536	483	11.1%	366	307	155	160	3	3	12	13
Montana	92	63	45.7%	72	57	21	6	0	0	NM	0
Nevada	2,280	2,108	8.1%	2,044	1,863	181	182	5	6	49	58
New Mexico	924	1,225	-24.6%	861	865	54	349	9	9	0	2
Utah	941	1,136	-17.2%	907	1,104	10	11	8	8	16	14
Wyoming	558	149	274.9%	494	86	0	0	0	0	64	63
Pacific Contiguous	12,182	11,839	2.9%	4,863	5,018	6,352	5,874	123	123	844	823
California	8,349	7,589	10.0%	2,689	2,376	4,780	4,346	114	119	766	746
Oregon	2,169	2,311	-6.1%	1,111	1,268	1,039	1,033	9	4	11	7
Washington	1,664	1,939	-14.2%	1,063	1,374	533	495	0	0	67	70
Pacific Noncontiguous	246	229	7.2%	244	225	0	0	0	0	2	5
Alaska	246	229	7.2%	244	225	0	0	0	0	2	5
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	169,382	166,151	1.9%	86,574	81,425	74,053	75,519	687	701	8,068	8,506

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 for 2024 are preliminary. Values for 2023 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

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

by State, by Sector, Year-to-Date through September 2024 and 2023 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	Generation at Utility Scale Facilities			Electric Utilities		Independent Power Producers		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD
	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD
New England	43,942	43,442	1.2%	157	89	42,043	41,660	850	777	892	915
Connecticut	19,224	18,607	3.3%	28	31	18,468	17,897	221	207	507	473
Maine	3,416	2,912	17.3%	0	0	3,274	2,718	24	23	118	171
Massachusetts	11,504	11,115	3.5%	129	59	10,686	10,423	568	503	120	129
New Hampshire	3,477	3,406	2.1%	0	0	3,448	3,377	9	9	19	20
Rhode Island	6,320	7,401	-14.6%	0	0	6,166	7,245	27	34	127	122
Vermont	1	1	-14.9%	0	0	0	0	0	1	0	0
Middle Atlantic	184,670	177,443	4.1%	10,466	9,164	170,088	164,346	950	893	3,166	3,040
New Jersey	23,307	24,669	-5.5%	157	125	22,635	24,041	196	177	320	326
New York	49,117	44,139	11.3%	10,291	9,028	37,701	34,092	646	593	479	427
Pennsylvania	112,246	108,634	3.3%	19	11	109,752	106,213	108	123	2,367	2,286
East North Central	184,042	167,496	9.9%	69,849	63,213	109,113	99,491	1,215	1,192	3,865	3,600
Illinois	24,592	21,456	14.6%	3,014	1,907	20,545	18,586	327	315	706	647
Indiana	28,929	26,626	8.6%	13,867	12,557	13,163	12,270	161	159	1,738	1,640
Michigan	44,490	40,809	9.0%	24,507	23,016	19,073	16,894	473	473	437	426
Ohio	65,252	59,227	10.2%	8,481	7,083	56,332	51,740	215	201	224	204
Wisconsin	20,780	19,378	7.2%	19,979	18,650	0	0	41	44	760	683
West North Central	37,987	34,233	11.0%	30,975	27,322	5,570	5,571	277	275	1,165	1,065
Iowa	7,450	8,117	-8.2%	6,833	7,579	NM	0	92	84	525	454
Kansas	4,516	3,444	31.1%	4,269	3,179	0	0	0	0	246	265
Minnesota	12,230	10,395	17.6%	8,150	6,653	3,694	3,383	72	82	313	278
Missouri	8,401	7,313	14.9%	6,391	4,987	1,876	2,188	108	108	27	30
Nebraska	1,376	1,198	14.8%	1,362	1,197	0	0	5	1	9	0
North Dakota	2,227	2,161	3.1%	2,218	2,155	0	0	0	0	10	6
South Dakota	1,787	1,604	11.4%	1,752	1,572	0	0	0	0	35	32
South Atlantic	326,160	314,648	3.7%	273,703	265,627	48,062	44,722	540	516	3,854	3,783
Delaware	3,142	3,434	-8.5%	53	15	2,415	2,616	0	0	674	803
District of Columbia	83	76	8.9%	0	0	0	0	83	76	0	0
Florida	157,370	152,504	3.2%	149,061	144,570	7,190	6,758	86	80	1,033	1,096
Georgia	44,767	47,167	-5.1%	36,240	38,589	7,799	8,013	0	0	729	565
Maryland	10,921	11,514	-5.2%	2,256	3,455	8,374	7,769	247	246	43	45
North Carolina	42,445	39,901	6.4%	35,941	33,266	6,291	6,420	108	100	104	116
South Carolina	17,132	18,301	-6.4%	16,475	17,811	547	378	0	0	110	112
Virginia	47,544	39,258	21.1%	33,428	27,532	13,439	11,111	16	15	661	601
West Virginia	2,757	2,493	10.6%	249	390	2,008	1,658	0	0	500	444
East South Central	121,540	112,184	8.3%	94,443	81,935	24,223	27,551	147	149	2,727	2,549
Alabama	50,068	46,075	8.7%	25,062	17,657	23,782	27,266	0	0	1,223	1,152
Kentucky	13,830	11,388	21.4%	13,235	10,960	435	280	0	0	160	148
Mississippi	44,918	43,061	4.3%	44,505	42,619	NM	5	0	0	407	438
Tennessee	12,724	11,660	9.1%	11,640	10,699	0	0	147	149	937	811
West South Central	339,189	334,317	1.5%	129,239	125,116	160,033	158,827	733	598	49,184	49,776
Arkansas	17,841	21,408	-16.7%	16,700	20,348	956	911	27	30	158	118
Louisiana	57,872	56,026	3.3%	36,171	33,214	3,425	3,896	50	43	18,228	18,873
Oklahoma	38,003	36,305	4.7%	26,162	24,293	11,480	11,638	0	-1	361	375
Texas	225,473	220,579	2.2%	50,206	47,261	144,172	142,383	657	525	30,437	30,410
Mountain	102,002	97,700	4.4%	81,562	76,860	18,698	19,253	326	320	1,415	1,268
Arizona	41,094	39,664	3.6%	29,146	27,626	11,843	11,941	105	97	0	0
Colorado	13,979	13,168	6.2%	11,861	11,356	1,985	1,687	4	2	130	123
Idaho	4,477	4,222	6.0%	3,003	2,781	1,310	1,316	29	30	135	95
Montana	785	696	12.8%	625	625	159	70	0	0	NM	1
Nevada	19,361	18,533	4.5%	17,955	17,028	983	1,072	48	49	375	383
New Mexico	9,586	10,828	-11.5%	7,107	7,614	2,343	3,082	74	80	63	53
Utah	8,727	9,081	-3.9%	8,421	8,842	75	85	66	62	165	93
Wyoming	3,991	1,508	164.7%	3,443	987	1	1	0	0	547	520
Pacific Contiguous	94,544	96,441	-2.0%	38,787	38,607	47,221	49,509	1,106	1,114	7,429	7,212
California	63,066	65,652	-3.9%	20,110	19,834	35,209	38,200	1,061	1,081	6,686	6,537
Oregon	17,868	16,911	5.7%	9,348	9,393	8,389	7,404	41	33	90	82
Washington	13,610	13,878	-1.9%	9,329	9,380	3,623	3,905	5	0	653	593
Pacific Noncontiguous	2,250	2,349	-4.2%	2,221	2,299	0	0	0	0	29	50
Alaska	2,250	2,349	-4.2%	2,221	2,299	0	0	0	0	29	50
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,436,326	1,380,253	4.1%	731,402	690,233	625,051	610,929	6,145	5,833	73,727	73,259

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 for 2024 are preliminary. Values for 2023 are final. 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-September 2024
(Thousand Megawatthours)**

Period	Natural Gas					Total
	Natural Gas Fired Combined Cycle	Natural Gas Fired Combustion Turbine	Steam Turbine	Internal Combustion Engine	Natural Gas Other	
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	144,656	109,056	9,175	2,250	1,687,065
2023	1,525,018	146,753	121,804	10,197	2,291	1,806,063
Year 2022						
January	116,628	10,585	6,918	661	155	134,948
February	100,075	8,168	6,006	560	137	114,945
March	98,525	7,804	5,440	569	139	112,477
April	90,511	8,777	5,507	569	142	105,506
May	105,644	11,917	8,740	648	142	127,091
June	126,835	15,689	12,016	798	179	155,517
July	151,829	19,376	16,583	1,005	250	189,042
August	155,761	17,798	13,937	1,085	280	188,860
Sept	133,059	12,861	9,909	901	219	156,948
October	114,000	9,835	8,687	770	200	133,492
November	108,068	10,407	8,079	775	194	127,523
December	120,993	11,440	7,234	834	215	140,716
Year 2023						
January	122,408	8,966	6,137	796	32	138,339
February	110,418	8,005	5,754	689	26	124,892
March	115,514	10,116	7,067	830	30	133,558
April	100,466	10,499	8,218	666	29	119,878
May	115,001	11,992	9,591	681	29	137,296
June	134,156	14,119	12,661	884	30	161,851
July	161,249	18,855	18,033	1,122	30	199,289
August	161,351	18,567	17,883	1,169	30	199,000
Sept	139,729	12,811	12,652	930	28	166,151
October	117,505	12,314	9,985	823	28	140,655
November	115,751	10,748	8,039	794	26	135,358
December	131,470	9,761	5,784	812	1,972	149,798
Year 2024						
January	138,946	11,963	8,391	872	3	160,174
February	114,825	8,893	6,560	708	3	130,989
March	110,777	10,622	8,432	775	3	130,609
April	98,471	12,771	9,449	710	6	121,406
May	117,008	13,577	12,194	836	6	143,621
June	137,012	15,520	15,824	953	6	169,315
July	162,758	23,867	19,803	1,298	9	207,735
August	160,647	21,610	19,558	1,266	13	203,094
Sept	140,751	14,624	13,042	958	6	169,382

Values for 2023 and prior years are final. Values for 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 Fossil Gas by State, by Sector, September 2024 and 2023 (Thousand Megawatthours)

Census Division and State	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	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 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	44	53	-17.2%	0	0	1	1	0	0	43	52
New Jersey	13	12	5.6%	0	0	1	1	0	0	12	11
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	31	41	-24.1%	0	0	0	0	0	0	31	41
East North Central	285	377	-24.4%	0	0	128	171	0	0	157	206
Illinois	19	23	-16.0%	0	0	0	0	0	0	19	23
Indiana	113	180	-37.1%	0	0	0	0	0	0	113	180
Michigan	85	114	-25.0%	0	0	85	114	0	0	0	0
Ohio	68	61	10.9%	0	0	43	57	0	0	25	4
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	3	2	78.0%	0	0	0	0	0	0	3	2
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	3	2	78.0%	0	0	0	0	0	0	3	2
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	19	23	-15.0%	0	0	0	0	0	0	19	23
Delaware	15	20	-25.6%	0	0	0	0	0	0	15	20
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	299.7%	0	0	0	0	0	0	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	4	3	69.5%	0	0	0	0	0	0	4	3
East South Central	1	1	20.5%	0	0	0	0	0	0	1	1
Alabama	0	0	-100.0%	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	20.9%	0	0	0	0	0	0	1	1
West South Central	285	368	-22.5%	0	0	119	117	0	0	166	251
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	89	162	-45.2%	0	0	0	0	0	0	89	162
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	197	206	-4.6%	0	0	119	117	0	0	77	89
Mountain	7	31	-76.1%	0	0	1	0	0	0	7	31
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	0	NM	0	0	1	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	1	-91.4%	0	0	0	0	0	0	0	1
Wyoming	7	30	-77.4%	0	0	0	0	0	0	7	30
Pacific Contiguous	95	128	-26.0%	0	0	0	0	0	0	95	128
California	74	108	-31.2%	0	0	0	0	0	0	74	108
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	21	20	1.5%	0	0	0	0	0	0	21	20
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	741	983	-24.7%	0	0	250	289	0	0	491	694

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 for 2024 are preliminary. Values for 2023 are final. 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 Fossil Gas

by State, by Sector, Year-to-Date through September 2024 and 2023 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	Generation at Utility Scale Facilities			Electric Utilities		Independent Power Producers		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 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	402	565	-28.9%	0	0	24	15	0	0	378	550
New Jersey	130	115	12.8%	0	0	24	15	0	0	106	100
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	272	450	-39.6%	0	0	0	0	0	0	272	450
East North Central	2,678	3,478	-23.0%	0	0	1,092	1,515	0	0	1,585	1,963
Illinois	131	190	-31.1%	0	0	0	0	0	0	131	190
Indiana	1,288	1,663	-22.5%	0	0	0	0	0	0	1,288	1,663
Michigan	758	1,019	-25.6%	0	0	758	1,019	0	0	0	0
Ohio	501	607	-17.5%	0	0	334	496	0	0	166	111
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	21	19	9.4%	0	0	0	0	0	0	21	19
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	21	19	9.4%	0	0	0	0	0	0	21	19
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	207	167	24.0%	0	0	0	0	0	0	207	167
Delaware	178	139	28.6%	0	0	0	0	0	0	178	139
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	42.4%	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	29	28	1.5%	0	0	0	0	0	0	29	28
East South Central	8	8	3.0%	0	0	0	0	0	0	8	8
Alabama	NM	0	NM	0	0	0	0	0	0	NM	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	8	8	2.5%	0	0	0	0	0	0	8	8
West South Central	2,772	3,073	-9.8%	0	0	1,003	975	0	0	1,769	2,098
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	972	1,336	-27.3%	0	0	0	0	0	0	972	1,336
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	1,801	1,737	3.7%	0	0	1,003	975	0	0	798	762
Mountain	253	262	-3.4%	0	0	4	7	0	0	249	255
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	4	7	-41.5%	0	0	4	7	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	1	2	-46.7%	0	0	0	0	0	0	1	2
Wyoming	247	252	-1.9%	0	0	0	0	0	0	247	252
Pacific Contiguous	1,092	1,261	-13.4%	0	0	0	0	0	0	1,092	1,261
California	936	1,086	-13.8%	0	0	0	0	0	0	936	1,086
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	156	175	-10.5%	0	0	0	0	0	0	156	175
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	7,434	8,833	-15.8%	0	0	2,123	2,513	0	0	5,310	6,321

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 for 2024 are preliminary. Values for 2023 are final. 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, September 2024 and 2023 (Thousand Megawatthours)

Census Division and State	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	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023
New England	1,967	2,209	-10.9%	0	0	1,967	2,209	0	0	0	0
Connecticut	1,071	1,312	-18.4%	0	0	1,071	1,312	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	897	897	0.0%	0	0	897	897	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	10,544	10,765	-2.1%	0	0	10,544	10,765	0	0	0	0
New Jersey	2,467	2,448	0.8%	0	0	2,467	2,448	0	0	0	0
New York	1,792	2,114	-15.2%	0	0	1,792	2,114	0	0	0	0
Pennsylvania	6,285	6,203	1.3%	0	0	6,285	6,203	0	0	0	0
East North Central	12,405	12,364	0.3%	2,383	2,150	10,022	10,215	0	0	0	0
Illinois	7,654	7,828	-2.2%	0	0	7,654	7,828	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	2,383	2,150	10.8%	2,383	2,150	0	0	0	0	0	0
Ohio	1,539	1,539	-0.1%	0	0	1,539	1,539	0	0	0	0
Wisconsin	830	847	-2.0%	0	0	830	847	0	0	0	0
West North Central	3,281	3,437	-4.5%	3,281	3,437	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	870	871	-0.1%	870	871	0	0	0	0	0	0
Minnesota	1,077	1,162	-7.3%	1,077	1,162	0	0	0	0	0	0
Missouri	871	837	4.1%	871	837	0	0	0	0	0	0
Nebraska	463	567	-18.4%	463	567	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	16,621	17,012	-2.3%	15,365	15,774	1,255	1,237	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,950	2,589	-24.7%	1,950	2,589	0	0	0	0	0	0
Georgia	3,331	3,112	7.1%	3,331	3,112	0	0	0	0	0	0
Maryland	1,255	1,237	1.4%	0	0	1,255	1,237	0	0	0	0
North Carolina	3,123	3,280	-4.8%	3,123	3,280	0	0	0	0	0	0
South Carolina	4,355	4,746	-8.2%	4,355	4,746	0	0	0	0	0	0
Virginia	2,606	2,048	27.3%	2,606	2,048	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	6,461	8,178	-21.0%	6,461	8,178	0	0	0	0	0	0
Alabama	3,085	3,904	-21.0%	3,085	3,904	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	1,013	1,001	1.1%	1,013	1,001	0	0	0	0	0	0
Tennessee	2,363	3,273	-27.8%	2,363	3,273	0	0	0	0	0	0
West South Central	6,211	6,376	-2.6%	2,647	2,817	3,564	3,559	0	0	0	0
Arkansas	1,184	1,288	-8.1%	1,184	1,288	0	0	0	0	0	0
Louisiana	1,464	1,529	-4.3%	1,464	1,529	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3,564	3,559	0.1%	0	0	3,564	3,559	0	0	0	0
Mountain	2,856	2,848	0.3%	2,856	2,848	0	0	0	0	0	0
Arizona	2,856	2,848	0.3%	2,856	2,848	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	2,315	2,371	-2.4%	2,315	2,371	0	0	0	0	0	0
California	1,518	1,551	-2.1%	1,518	1,551	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	797	820	-2.8%	797	820	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	62,660	65,560	-4.4%	35,308	37,575	27,353	27,985	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 for 2024 are preliminary. Values for 2023 are final. 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 September 2024 and 2023 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	Generation at Utility Scale Facilities			Electric Utilities		Independent Power Producers		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD
New England	21,194	17,417	21.7%	0	0	21,194	17,417	0	0	0	0
Connecticut	13,014	10,635	22.4%	0	0	13,014	10,635	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	8,180	6,782	20.6%	0	0	8,180	6,782	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	97,795	98,221	-0.4%	0	0	97,795	98,221	0	0	0	0
New Jersey	21,407	21,916	-2.3%	0	0	21,407	21,916	0	0	0	0
New York	20,071	20,295	-1.1%	0	0	20,071	20,295	0	0	0	0
Pennsylvania	56,318	56,010	0.5%	0	0	56,318	56,010	0	0	0	0
East North Central	114,021	112,920	1.0%	18,742	21,377	95,279	91,543	0	0	0	0
Illinois	74,242	72,747	2.1%	0	0	74,242	72,747	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	18,742	21,377	-12.3%	18,742	21,377	0	0	0	0	0	0
Ohio	13,198	11,378	16.0%	0	0	13,198	11,378	0	0	0	0
Wisconsin	7,839	7,418	5.7%	0	0	7,839	7,418	0	0	0	0
West North Central	28,720	30,759	-6.6%	28,720	30,759	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	6,520	7,713	-15.5%	6,520	7,713	0	0	0	0	0	0
Minnesota	9,383	10,308	-9.0%	9,383	10,308	0	0	0	0	0	0
Missouri	7,806	7,580	3.0%	7,806	7,580	0	0	0	0	0	0
Nebraska	5,012	5,158	-2.8%	5,012	5,158	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	164,545	155,086	6.1%	153,644	143,974	10,900	11,112	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	22,257	22,872	-2.7%	22,257	22,872	0	0	0	0	0	0
Georgia	35,758	26,199	36.5%	35,758	26,199	0	0	0	0	0	0
Maryland	10,900	11,112	-1.9%	0	0	10,900	11,112	0	0	0	0
North Carolina	32,032	31,465	1.8%	32,032	31,465	0	0	0	0	0	0
South Carolina	41,877	41,324	1.3%	41,877	41,324	0	0	0	0	0	0
Virginia	21,720	22,113	-1.8%	21,720	22,113	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	66,627	71,652	-7.0%	66,627	71,652	0	0	0	0	0	0
Alabama	32,437	34,125	-4.9%	32,437	34,125	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	8,009	9,165	-12.6%	8,009	9,165	0	0	0	0	0	0
Tennessee	26,181	28,362	-7.7%	26,181	28,362	0	0	0	0	0	0
West South Central	51,462	51,859	-0.8%	21,828	21,461	29,635	30,398	0	0	0	0
Arkansas	11,471	10,910	5.1%	11,471	10,910	0	0	0	0	0	0
Louisiana	10,357	10,551	-1.8%	10,357	10,551	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	29,635	30,398	-2.5%	0	0	29,635	30,398	0	0	0	0
Mountain	24,852	23,939	3.8%	24,852	23,939	0	0	0	0	0	0
Arizona	24,852	23,939	3.8%	24,852	23,939	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	20,886	20,472	2.0%	20,886	20,472	0	0	0	0	0	0
California	13,434	14,494	-7.3%	13,434	14,494	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	7,452	5,978	24.7%	7,452	5,978	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	590,102	582,326	1.3%	335,299	333,634	254,803	248,691	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 for 2024 are preliminary. Values for 2023 are final. 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, September 2024 and 2023 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	Generation at Utility Scale Facilities			Electric Utilities		Independent Power Producers		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023
New England	621	591	5.2%	62	58	552	525	0	0	NM	8
Connecticut	33	32	3.6%	NM	3	32	29	0	0	0	0
Maine	264	296	-10.7%	NM	0	257	288	0	0	NM	8
Massachusetts	89	72	23.5%	23	23	67	48	0	0	0	0
New Hampshire	125	94	33.2%	NM	1	124	93	0	0	0	0
Rhode Island	NM	0	NM	0	0	NM	0	0	0	0	0
Vermont	109	96	13.0%	37	30	72	66	0	0	0	0
Middle Atlantic	2,352	2,337	0.6%	1,776	1,893	573	440	0	0	NM	4
New Jersey	0	1	-100.0%	0	0	0	1	0	0	0	0
New York	2,131	2,168	-1.7%	1,774	1,891	354	272	0	0	NM	4
Pennsylvania	221	168	31.4%	2	2	219	166	0	0	0	0
East North Central	276	222	24.5%	239	192	27	25	NM	0	10	6
Illinois	NM	8	NM	NM	6	NM	1	0	0	0	0
Indiana	34	25	32.4%	33	25	0	0	NM	0	0	0
Michigan	82	85	-3.3%	78	82	NM	3	0	0	NM	NM
Ohio	38	15	144.5%	22	NM	NM	14	0	0	0	0
Wisconsin	118	89	32.7%	103	77	NM	6	0	0	9	5
West North Central	626	971	-35.5%	610	961	12	7	0	0	5	3
Iowa	50	38	30.8%	50	38	0	0	0	0	0	0
Kansas	1	1	22.2%	0	0	1	1	0	0	0	0
Minnesota	46	28	63.4%	30	18	11	7	0	0	5	3
Missouri	77	23	242.3%	77	23	0	0	0	0	0	0
Nebraska	68	119	-42.5%	68	119	0	0	0	0	0	0
North Dakota	126	185	-32.3%	126	185	0	0	0	0	0	0
South Dakota	259	578	-55.2%	259	578	0	0	0	0	0	0
South Atlantic	1,151	917	25.4%	971	687	145	209	0	0	35	21
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	NM	17	NM	NM	17	0	0	0	0	0	0
Georgia	275	191	44.5%	274	190	NM	0	0	0	NM	1
Maryland	52	111	-53.1%	0	0	52	111	0	0	0	0
North Carolina	363	348	4.4%	311	279	52	69	0	0	NM	0
South Carolina	214	105	104.1%	209	102	NM	2	0	0	0	0
Virginia	117	64	83.3%	109	59	NM	5	0	0	0	0
West Virginia	113	82	38.0%	51	39	29	22	0	0	33	20
East South Central	1,580	1,363	15.9%	1,526	1,282	53	81	0	0	0	0
Alabama	671	414	62.0%	671	414	0	0	0	0	0	0
Kentucky	284	222	27.9%	283	222	NM	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	625	727	-14.0%	573	646	52	81	0	0	0	0
West South Central	543	258	110.3%	481	232	61	25	NM	0	0	0
Arkansas	266	131	102.5%	261	127	5	5	0	0	0	0
Louisiana	54	16	231.9%	0	0	54	16	0	0	0	0
Oklahoma	135	70	93.1%	135	70	0	0	0	0	0	0
Texas	88	41	116.6%	86	36	2	4	NM	0	0	0
Mountain	1,636	2,158	-24.2%	1,554	2,033	77	120	5	6	0	0
Arizona	301	395	-23.9%	301	395	0	0	0	0	0	0
Colorado	107	175	-38.8%	91	145	14	27	2	2	0	0
Idaho	501	694	-27.9%	452	620	49	74	0	0	0	0
Montana	524	625	-16.2%	517	615	NM	10	0	0	0	0
Nevada	90	89	0.4%	84	83	5	7	0	0	0	0
New Mexico	12	25	-54.3%	12	25	0	0	0	0	0	0
Utah	47	70	-33.2%	44	66	0	1	NM	4	0	0
Wyoming	56	85	-34.0%	54	83	2	2	0	0	0	0
Pacific Contiguous	7,760	7,940	-2.3%	7,583	7,784	176	156	NM	0	NM	0
California	2,576	2,856	-9.8%	2,429	2,718	146	138	NM	0	0	0
Oregon	1,631	1,706	-4.4%	1,617	1,691	13	15	0	0	0	0
Washington	3,553	3,379	5.2%	3,537	3,375	NM	3	0	0	NM	0
Pacific Noncontiguous	114	157	-27.4%	96	141	2	0	11	11	NM	4
Alaska	107	152	-29.9%	95	141	0	0	11	11	0	0
Hawaii	8	5	44.1%	1	0	2	0	0	0	NM	4
U.S. Total	16,660	16,916	-1.5%	14,899	15,262	1,679	1,589	18	18	64	46

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

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values for 2024 are preliminary. Values for 2023 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

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

by State, by Sector, Year-to-Date through September 2024 and 2023 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	Generation at Utility Scale Facilities			Electric Utilities		Independent Power Producers		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD
New England	6,650	6,561	1.4%	686	656	5,888	5,827	3	4	74	74
Connecticut	364	338	7.9%	29	28	335	309	0	0	0	0
Maine	2,903	2,948	-1.5%	NM	4	2,826	2,870	0	0	74	74
Massachusetts	969	872	11.1%	240	228	726	640	3	4	0	0
New Hampshire	1,228	1,230	-0.1%	NM	15	1,215	1,215	0	0	0	0
Rhode Island	NM	6	NM	0	0	NM	6	0	0	0	0
Vermont	1,180	1,168	1.0%	400	381	779	786	0	0	0	0
Middle Atlantic	23,932	23,431	2.1%	18,014	17,598	5,871	5,783	3	4	44	46
New Jersey	4	9	-59.2%	0	0	4	9	0	0	0	0
New York	21,731	21,280	2.1%	17,943	17,542	3,741	3,687	3	4	44	46
Pennsylvania	2,197	2,142	2.5%	70	56	2,127	2,087	0	0	0	0
East North Central	3,245	3,324	-2.4%	2,849	2,942	305	296	NM	4	87	81
Illinois	57	67	-15.7%	35	47	22	21	0	0	0	0
Indiana	353	352	0.4%	349	348	0	0	NM	4	0	0
Michigan	1,017	1,083	-6.1%	967	1,034	44	42	0	0	NM	NM
Ohio	388	353	10.1%	225	198	164	155	0	0	0	0
Wisconsin	1,430	1,469	-2.7%	1,273	1,316	76	79	0	0	81	74
West North Central	7,610	7,768	-2.0%	7,396	7,579	153	145	0	0	61	44
Iowa	738	757	-2.4%	734	753	4	4	0	0	0	0
Kansas	17	12	49.5%	0	0	17	12	0	0	0	0
Minnesota	567	536	5.8%	375	362	131	130	0	0	61	44
Missouri	697	716	-2.6%	697	716	0	0	0	0	0	0
Nebraska	844	868	-2.8%	844	868	0	0	0	0	0	0
North Dakota	1,554	1,636	-5.0%	1,554	1,636	0	0	0	0	0	0
South Dakota	3,192	3,244	-1.6%	3,192	3,244	0	0	0	0	0	0
South Atlantic	11,607	11,542	0.6%	8,692	8,795	2,542	2,345	11	10	361	392
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	183	-6.5%	171	183	0	0	0	0	0	0
Georgia	2,337	2,419	-3.4%	2,313	2,407	NM	6	0	0	NM	6
Maryland	1,604	1,393	15.1%	0	0	1,604	1,393	0	0	0	0
North Carolina	3,544	3,516	0.8%	3,009	2,956	522	551	9	8	NM	0
South Carolina	1,867	1,915	-2.5%	1,822	1,864	43	50	2	2	0	0
Virginia	907	933	-2.8%	820	840	87	93	0	0	0	0
West Virginia	1,177	1,182	-0.4%	557	546	277	251	0	0	343	385
East South Central	15,933	16,655	-4.3%	15,401	16,105	532	550	0	0	0	0
Alabama	6,729	7,219	-6.8%	6,729	7,219	0	0	0	0	0	0
Kentucky	2,998	3,039	-1.4%	2,989	3,029	NM	10	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	6,207	6,397	-3.0%	5,683	5,857	523	540	0	0	0	0
West South Central	5,029	5,463	-7.9%	4,393	4,729	631	734	NM	0	0	0
Arkansas	2,535	2,826	-10.3%	2,483	2,784	51	42	0	0	0	0
Louisiana	551	659	-16.3%	0	0	551	659	0	0	0	0
Oklahoma	1,193	1,295	-7.9%	1,193	1,295	0	0	0	0	0	0
Texas	750	683	9.7%	717	650	28	33	NM	0	0	0
Mountain	20,678	22,918	-9.8%	19,689	21,771	938	1,092	51	55	0	0
Arizona	4,191	4,834	-13.3%	4,191	4,834	0	0	0	0	0	0
Colorado	1,230	1,425	-13.7%	1,047	1,235	171	179	12	11	0	0
Idaho	6,188	7,093	-12.7%	5,582	6,353	607	739	0	0	0	0
Montana	6,475	6,948	-6.8%	6,387	6,849	88	99	0	0	0	0
Nevada	1,183	1,055	12.1%	1,127	999	56	57	0	0	0	0
New Mexico	144	159	-10.0%	144	159	0	0	0	0	0	0
Utah	584	591	-1.1%	539	538	7	9	38	44	0	0
Wyoming	682	812	-16.0%	673	804	9	9	0	0	0	0
Pacific Contiguous	91,627	94,221	-2.8%	89,733	92,291	1,879	1,918	NM	13	NM	0
California	26,550	27,170	-2.3%	25,020	25,553	1,516	1,605	NM	13	0	0
Oregon	19,381	19,779	-2.0%	19,215	19,602	166	177	0	0	0	0
Washington	45,696	47,273	-3.3%	45,498	47,136	197	136	0	0	NM	0
Pacific Noncontiguous	1,395	1,393	0.1%	1,181	1,190	23	17	141	135	50	51
Alaska	1,318	1,320	-0.2%	1,177	1,185	0	0	141	135	0	0
Hawaii	77	73	4.8%	3	5	23	17	0	0	50	51
U.S. Total	187,706	193,276	-2.9%	168,033	173,656	18,763	18,708	232	225	678	688

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NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values for 2024 are preliminary. Values for 2023 are final. 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, September 2024 and 2023 (Thousand Megawatthours)

Census Division and State	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	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023
New England	997	825	20.9%	60	32	836	692	45	43	57	58
Connecticut	94	83	13.4%	0	0	93	82	NM	0	NM	0
Maine	358	275	29.8%	0	0	302	217	0	0	56	58
Massachusetts	283	265	6.8%	9	10	233	216	40	38	NM	0
New Hampshire	86	75	14.2%	0	0	83	72	4	3	0	0
Rhode Island	86	71	21.5%	0	0	86	71	0	0	0	0
Vermont	90	55	63.0%	51	22	39	33	0	0	0	0
Middle Atlantic	1,474	1,060	39.1%	27	23	1,298	892	105	108	44	37
New Jersey	211	183	15.4%	12	11	162	137	37	35	NM	0
New York	802	572	40.1%	15	12	722	492	50	55	14	13
Pennsylvania	461	305	51.3%	0	0	414	263	18	18	29	23
East North Central	4,310	3,105	38.8%	926	544	3,291	2,469	8	9	84	83
Illinois	1,496	1,269	17.9%	8	7	1,487	1,262	NM	0	NM	0
Indiana	829	575	44.3%	220	138	605	434	0	0	4	3
Michigan	891	671	32.7%	321	233	526	390	2	3	41	46
Ohio	591	307	92.6%	NM	1	572	294	NM	1	18	11
Wisconsin	503	283	77.5%	376	167	102	89	NM	5	21	23
West North Central	10,292	9,131	12.7%	3,553	3,312	6,639	5,742	20	19	80	58
Iowa	3,072	2,895	6.1%	2,184	2,067	878	820	2	0	8	6
Kansas	2,213	2,013	10.0%	185	178	2,027	1,832	NM	1	NM	1
Minnesota	1,435	1,309	9.6%	516	468	839	781	11	11	70	49
Missouri	438	466	-6.1%	149	167	283	295	5	4	0	0
Nebraska	1,042	831	25.5%	12	13	1,029	816	1	2	0	0
North Dakota	1,187	991	19.7%	411	332	776	660	0	0	0	0
South Dakota	905	626	44.5%	96	87	808	538	0	0	NM	1
South Atlantic	5,432	5,067	7.2%	1,740	1,568	2,926	2,775	80	81	686	643
Delaware	20	16	21.2%	NM	1	17	14	NM	1	NM	1
District of Columbia	9	6	38.4%	NM	0	NM	2	4	4	0	0
Florida	1,626	1,458	11.5%	1,331	1,152	163	169	34	38	98	99
Georgia	1,092	1,102	-1.0%	43	57	756	784	NM	0	293	262
Maryland	164	127	29.3%	NM	1	162	125	NM	2	0	0
North Carolina	1,167	1,169	-0.2%	88	94	998	982	10	9	71	84
South Carolina	386	388	-0.7%	6	6	254	272	0	0	126	111
Virginia	826	718	15.0%	266	258	435	346	28	27	98	87
West Virginia	142	81	75.8%	NM	0	137	81	0	0	0	0
East South Central	828	718	15.3%	17	31	393	280	NM	0	417	407
Alabama	349	382	-8.7%	6	2	96	122	0	0	247	257
Kentucky	60	41	44.7%	11	11	21	16	NM	0	28	14
Mississippi	297	157	89.2%	NM	18	187	40	0	0	109	99
Tennessee	123	138	-11.2%	NM	0	89	101	NM	0	33	36
West South Central	13,981	14,241	-1.8%	418	619	13,267	13,318	4	2	293	301
Arkansas	247	146	69.2%	21	23	155	65	2	2	69	55
Louisiana	285	197	44.6%	4	4	148	32	0	0	133	162
Oklahoma	2,386	2,827	-15.6%	379	528	1,985	2,293	0	-1	21	7
Texas	11,064	11,071	-0.1%	14	64	10,978	10,928	NM	1	70	78
Mountain	8,016	6,445	24.4%	1,189	988	6,783	5,415	11	10	34	32
Arizona	1,205	826	45.9%	102	58	1,098	763	NM	2	NM	3
Colorado	1,896	1,549	22.4%	382	301	1,509	1,246	NM	1	NM	1
Idaho	328	278	18.0%	33	39	268	211	2	2	25	26
Montana	484	335	44.3%	57	52	425	282	0	0	2	2
Nevada	1,553	1,200	29.4%	46	15	1,501	1,179	4	4	NM	1
New Mexico	1,379	1,240	11.2%	256	207	1,123	1,033	NM	0	0	0
Utah	563	473	18.9%	22	18	540	454	0	1	NM	0
Wyoming	608	543	12.0%	290	298	318	246	0	0	0	0
Pacific Contiguous	8,570	8,285	3.4%	637	625	7,658	7,382	76	81	200	197
California	6,834	6,458	5.8%	170	140	6,500	6,155	74	78	91	85
Oregon	1,040	1,016	2.4%	155	134	837	845	2	2	46	35
Washington	697	811	-14.0%	313	351	321	381	NM	1	63	78
Pacific Noncontiguous	177	174	1.9%	12	12	147	145	18	16	0	0
Alaska	12	11	17.1%	NM	4	NM	3	3	4	0	0
Hawaii	165	163	1.0%	8	8	142	142	15	13	0	0
U.S. Total	54,078	49,050	10.2%	8,578	7,754	43,238	39,110	368	370	1,893	1,817

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 for 2024 are preliminary. Values for 2023 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

Table 1.12.A. Utility Scale Facility Net Generation from Hydroelectric (Pumped Storage) Power by State, by Sector, September 2024 and 2023 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	Generation at Utility Scale Facilities			Electric Utilities		Independent Power Producers		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023
New England	-31	-23	32.2%	0	0	-31	-23	0	0	0	0
Connecticut	0	1	-96.1%	0	0	0	1	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-31	-25	25.2%	0	0	-31	-25	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	-142	-159	-10.3%	-37	-45	-105	-114	0	0	0	0
New Jersey	-22	-17	29.8%	0	0	-22	-17	0	0	0	0
New York	-37	-45	-16.8%	-37	-45	0	0	0	0	0	0
Pennsylvania	-83	-97	-14.4%	0	0	-83	-97	0	0	0	0
East North Central	-126	-87	44.2%	-126	-87	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	-126	-87	44.2%	-126	-87	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	-15	-15	3.9%	-15	-15	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	-15	-15	3.9%	-15	-15	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	-285	-273	4.3%	-285	-273	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	-112	-87	29.7%	-112	-87	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	-31	-41	-25.7%	-31	-41	0	0	0	0	0	0
Virginia	-142	-146	-2.4%	-142	-146	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-63	-64	-0.6%	-63	-64	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	-63	-64	-0.6%	-63	-64	0	0	0	0	0	0
West South Central	-3	1	-356.6%	-3	1	0	0	0	0	0	0
Arkansas	2	3	-30.8%	2	3	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-6	-2	183.3%	-6	-2	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	23	10	143.2%	23	10	0	0	0	0	0	0
Arizona	24	7	258.2%	24	7	0	0	0	0	0	0
Colorado	0	3	-116.9%	0	3	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	-11	57	-119.4%	-11	57	0	0	0	0	0	0
California	-11	58	-118.8%	-11	58	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	-0.3%	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	-654	-553	18.3%	-518	-415	-136	-137	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 for 2024 are preliminary. Values for 2023 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

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

by State, by Sector, Year-to-Date through September 2024 and 2023 (Thousand Megawatthours)

Census Division and State	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	
	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD
New England	-350	-314	11.4%	0	0	-350	-314	0	0	0	0
Connecticut	7	0	NM	0	0	7	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-356	-314	13.6%	0	0	-356	-314	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	-1,198	-1,096	9.2%	-299	-280	-898	-817	0	0	0	0
New Jersey	-186	-132	41.1%	0	0	-186	-132	0	0	0	0
New York	-299	-280	7.0%	-299	-280	0	0	0	0	0	0
Pennsylvania	-712	-684	4.0%	0	0	-712	-684	0	0	0	0
East North Central	-806	-652	23.6%	-806	-652	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	-806	-652	23.6%	-806	-652	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	173	-27	-738.6%	173	-27	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	173	-27	-738.6%	173	-27	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	-1,982	-1,956	1.3%	-1,982	-1,956	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	-545	-396	37.6%	-545	-396	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	-199	-376	-47.2%	-199	-376	0	0	0	0	0	0
Virginia	-1,239	-1,184	4.6%	-1,239	-1,184	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-475	-446	6.6%	-475	-446	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	-475	-446	6.6%	-475	-446	0	0	0	0	0	0
West South Central	25	42	-40.7%	25	42	0	0	0	0	0	0
Arkansas	72	95	-24.6%	72	95	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-47	-53	-11.7%	-47	-53	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	128	135	-4.7%	128	135	0	0	0	0	0	0
Arizona	68	136	-50.4%	68	136	0	0	0	0	0	0
Colorado	61	-2	NM	61	-2	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	-12	-443	-97.3%	-12	-443	0	0	0	0	0	0
California	-15	-442	-96.7%	-15	-442	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	3	-2	-270.2%	3	-2	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	-4,496	-4,758	-5.5%	-3,248	-3,627	-1,248	-1,130	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 for 2024 are preliminary. Values for 2023 are final. 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, September 2024 and 2023 (Thousand Megawatthours)

Census Division and State	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	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023
New England	138	128	7.7%	0	0	83	75	44	42	10	10
Connecticut	36	30	21.4%	0	0	36	30	0	0	0	0
Maine	17	16	7.2%	0	0	7	5	0	0	10	10
Massachusetts	81	78	4.2%	0	0	37	36	44	42	0	0
New Hampshire	4	5	-20.8%	0	0	4	5	0	0	0	0
Rhode Island	0	0	-100.0%	0	0	0	0	0	0	0	0
Vermont	0	0	3.2%	0	0	0	0	0	0	0	0
Middle Atlantic	190	200	-4.9%	0	0	80	84	104	113	6	3
New Jersey	45	43	3.0%	0	0	11	11	28	29	6	3
New York	78	83	-5.7%	0	0	18	18	60	66	0	0
Pennsylvania	67	73	-8.5%	0	0	50	56	17	18	0	0
East North Central	71	72	-0.8%	8	4	5	6	3	3	56	59
Illinois	18	23	-21.7%	0	0	-1	0	0	0	19	23
Indiana	36	35	2.7%	0	0	0	0	0	0	37	35
Michigan	8	10	-15.2%	0	0	5	7	3	3	0	0
Ohio	0	0	94.3%	0	0	0	0	0	0	0	0
Wisconsin	8	4	132.9%	8	4	0	0	0	0	0	0
West North Central	34	31	10.0%	15	15	15	12	NM	3	0	0
Iowa	0	0	-100.0%	0	0	0	0	0	0	0	0
Kansas	0	0	0.2%	0	0	0	0	0	0	0	0
Minnesota	30	27	12.4%	12	12	15	12	NM	3	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	-100.0%	0	0	0	0	0	0	0	0
North Dakota	3	3	-7.8%	3	3	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	276	271	1.8%	-1	-4	98	91	74	77	105	107
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	186	184	0.8%	-1	-4	70	70	40	45	76	73
Georgia	5	6	-20.2%	0	0	-1	0	0	0	6	6
Maryland	28	22	25.5%	0	0	28	22	0	0	0	0
North Carolina	19	23	-16.4%	0	0	0	0	0	0	19	23
South Carolina	4	5	-5.5%	0	0	1	0	0	0	4	5
Virginia	33	32	5.7%	0	0	0	0	33	32	0	0
West Virginia	0	-1	-100.1%	0	0	0	-1	0	0	0	0
East South Central	-1	11	-106.0%	0	11	-1	0	0	0	0	0
Alabama	0	0	-100.0%	0	0	0	0	0	0	0	0
Kentucky	0	11	-100.0%	0	11	0	0	0	0	0	0
Mississippi	-1	0	--	0	0	-1	0	0	0	0	0
Tennessee	0	0	17.2%	0	0	0	0	0	0	0	0
West South Central	-14	65	-120.8%	3	22	-27	-14	0	-1	11	59
Arkansas	0	0	153.2%	0	0	0	0	0	0	1	0
Louisiana	4	44	-90.6%	0	19	0	0	0	0	4	26
Oklahoma	2	2	22.2%	3	3	0	0	0	-1	0	0
Texas	-21	19	-209.5%	0	0	-27	-14	0	0	6	33
Mountain	33	28	15.9%	0	5	8	7	0	0	25	17
Arizona	6	-5	-218.5%	0	0	7	-5	0	0	0	0
Colorado	0	1	-128.6%	-1	0	-4	-3	0	0	4	4
Idaho	6	5	20.2%	0	0	0	0	0	0	6	5
Montana	18	20	-10.2%	0	0	18	20	0	0	0	0
Nevada	-13	-2	437.6%	-3	2	-11	-4	0	0	0	0
New Mexico	-3	-2	26.2%	0	0	-3	-2	0	0	0	0
Utah	10	4	160.0%	4	4	0	0	0	0	6	0
Wyoming	9	8	10.9%	0	0	0	0	0	0	9	8
Pacific Contiguous	-79	-44	81.0%	-3	-4	-97	-64	2	4	20	20
California	-86	-50	72.8%	-3	-4	-104	-70	2	4	20	20
Oregon	1	1	104.3%	0	0	1	1	0	0	0	0
Washington	6	6	3.8%	0	0	6	5	0	0	0	0
Pacific Noncontiguous	15	14	9.7%	0	0	-1	-1	17	15	0	0
Alaska	0	0	-53.6%	0	0	0	0	0	0	0	0
Hawaii	16	14	8.1%	0	0	-1	-1	17	15	0	0
U.S. Total	664	776	-14.4%	21	47	163	196	247	257	232	276

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 for 2024 are preliminary. Values for 2023 are final. 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 September 2024 and 2023 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	Generation at Utility Scale Facilities			Electric Utilities		Independent Power Producers		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD
New England	1,253	1,249	0.3%	2	2	781	765	367	381	102	100
Connecticut	314	316	-0.7%	0	0	314	316	0	0	0	0
Maine	212	206	3.0%	0	0	106	98	4	7	102	101
Massachusetts	687	686	0.1%	0	-1	324	313	363	374	0	0
New Hampshire	38	38	-1.5%	0	0	38	38	0	0	0	0
Rhode Island	0	0	-100.0%	0	0	0	0	0	0	0	0
Vermont	2	2	-17.4%	2	3	0	0	0	0	0	0
Middle Atlantic	1,865	1,737	7.4%	0	0	755	752	1,056	982	54	3
New Jersey	462	393	17.6%	0	0	95	95	313	294	54	3
New York	743	691	7.4%	0	0	163	152	580	540	0	0
Pennsylvania	661	653	1.2%	0	0	498	505	163	148	0	0
East North Central	678	730	-7.2%	78	66	47	58	39	38	515	568
Illinois	187	204	-8.5%	0	0	-4	-7	0	0	190	211
Indiana	319	350	-8.7%	-1	0	0	0	0	0	320	350
Michigan	90	104	-13.7%	0	0	50	66	39	38	0	0
Ohio	3	6	-42.9%	0	0	0	-1	0	0	4	7
Wisconsin	79	67	18.6%	79	67	0	0	0	0	0	0
West North Central	253	248	2.2%	114	117	108	102	27	27	4	2
Iowa	0	0	-100.0%	0	0	0	0	0	0	0	0
Kansas	4	2	99.9%	0	0	0	0	0	0	4	2
Minnesota	223	218	1.9%	88	90	108	102	27	27	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	-100.0%	0	0	0	0	0	0	0	0
North Dakota	27	27	-2.7%	27	27	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	2,476	2,625	-5.7%	-20	-29	846	924	709	768	941	961
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,611	1,807	-10.9%	-20	-28	598	705	371	407	661	722
Georgia	66	45	46.5%	0	0	-3	-4	0	0	68	49
Maryland	251	231	8.8%	0	0	251	231	0	0	0	0
North Carolina	179	163	10.0%	0	-1	0	0	0	0	180	164
South Carolina	38	31	22.8%	0	0	5	4	0	0	32	26
Virginia	337	359	-6.1%	0	0	0	-1	337	360	0	0
West Virginia	-6	-11	-48.9%	0	0	-6	-11	0	0	0	0
East South Central	9	71	-86.6%	11	70	-2	0	0	0	0	0
Alabama	0	0	-100.0%	0	0	0	0	0	0	0	0
Kentucky	11	70	-84.2%	11	70	0	0	0	0	0	0
Mississippi	-2	0	--	0	0	-2	0	0	0	0	0
Tennessee	0	0	0.5%	0	0	0	0	0	0	0	0
West South Central	129	577	-77.6%	19	188	-152	-62	-3	-9	265	459
Arkansas	6	5	19.9%	0	0	0	0	0	0	6	5
Louisiana	144	372	-61.3%	0	165	0	0	0	0	144	207
Oklahoma	17	16	12.0%	20	24	0	0	-2	-9	0	0
Texas	-38	185	-120.5%	-1	-1	-152	-62	0	0	115	247
Mountain	292	321	-9.1%	19	51	44	85	0	0	229	186
Arizona	-23	-22	6.8%	-4	-3	-19	-19	0	0	0	0
Colorado	6	21	-72.2%	-3	0	-28	-12	0	0	36	33
Idaho	50	53	-5.2%	0	0	0	0	0	0	50	53
Montana	186	156	19.0%	0	0	186	156	0	0	0	0
Nevada	-82	-9	827.5%	-11	21	-71	-30	0	0	0	0
New Mexico	-25	-12	108.2%	-1	-1	-24	-11	0	0	0	0
Utah	117	74	57.1%	37	34	0	0	0	0	80	41
Wyoming	64	59	7.1%	0	0	0	0	0	0	64	59
Pacific Contiguous	-464	-265	74.7%	-33	-29	-647	-470	26	31	190	203
California	-534	-332	61.1%	-33	-29	-718	-535	26	31	190	203
Oregon	15	14	9.1%	0	0	15	14	0	0	0	0
Washington	55	52	6.0%	0	1	55	52	0	0	0	0
Pacific Noncontiguous	117	125	-7.0%	-2	-3	-15	-2	134	131	0	0
Alaska	-2	-3	-29.1%	-2	-3	0	0	0	0	0	0
Hawaii	119	129	-7.5%	0	0	-15	-2	134	131	0	0
U.S. Total	6,609	7,417	-10.9%	188	434	1,765	2,152	2,355	2,348	2,301	2,483

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 for 2024 are preliminary. Values for 2023 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

Table 1.14.A. Utility Scale Facility Net Generation from Wind by State, by Sector, September 2024 and 2023 (Thousand Megawatthours)

Census Division and State	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	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023
New England	196	190	3.2%	13	12	182	177	NM	2	0	0
Connecticut	0	0	328.4%	0	0	0	0	0	0	0	0
Maine	131	121	8.1%	0	0	131	121	0	0	0	0
Massachusetts	10	16	-37.8%	NM	3	8	12	NM	1	0	0
New Hampshire	23	20	11.7%	0	0	23	20	0	0	0	0
Rhode Island	10	14	-27.9%	0	0	10	14	0	0	0	0
Vermont	22	18	19.6%	12	8	10	10	0	0	0	0
Middle Atlantic	587	362	62.3%	15	12	572	349	NM	0	0	0
New Jersey	1	2	-22.3%	0	0	1	2	0	0	0	0
New York	359	212	69.0%	15	12	344	200	NM	0	0	0
Pennsylvania	227	148	53.6%	0	0	227	148	0	0	0	0
East North Central	2,526	2,024	24.8%	387	300	2,132	1,719	NM	1	NM	3
Illinois	1,237	1,074	15.1%	NM	1	1,236	1,074	NM	0	0	0
Indiana	486	344	41.5%	0	0	486	344	0	0	0	0
Michigan	549	398	37.9%	313	226	236	173	0	0	0	0
Ohio	142	95	50.0%	NM	0	136	92	0	0	NM	3
Wisconsin	111	113	-1.6%	73	74	37	37	NM	1	0	0
West North Central	9,765	8,716	12.0%	3,469	3,245	6,292	5,468	NM	3	NM	1
Iowa	2,986	2,829	5.5%	2,141	2,039	845	791	0	0	0	0
Kansas	2,199	1,999	10.0%	183	177	2,014	1,820	NM	1	NM	1
Minnesota	1,110	1,032	7.6%	490	445	618	586	NM	1	0	0
Missouri	413	440	-6.2%	143	160	270	281	0	0	0	0
Nebraska	1,013	816	24.1%	NM	6	1,008	810	0	0	0	0
North Dakota	1,187	991	19.7%	411	332	776	660	0	0	0	0
South Dakota	858	608	41.1%	96	87	762	521	0	0	0	0
South Atlantic	200	139	44.5%	4	3	196	135	0	0	0	0
Delaware	0	0	30.1%	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	41	23	79.1%	0	0	41	23	0	0	0	0
North Carolina	36	32	9.5%	0	0	36	32	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	4	3	25.6%	4	3	0	0	0	0	0	0
West Virginia	120	80	49.6%	0	0	120	80	0	0	0	0
East South Central	32	1	NM	0	0	32	1	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	31	0	--	0	0	31	0	0	0	0	0
Tennessee	NM	1	NM	0	0	NM	1	0	0	0	0
West South Central	9,390	10,951	-14.3%	385	538	9,003	10,412	NM	1	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	2,326	2,814	-17.3%	372	522	1,953	2,291	0	0	0	0
Texas	7,064	8,138	-13.2%	12	16	7,050	8,121	NM	1	0	0
Mountain	3,826	3,315	15.4%	955	827	2,871	2,489	NM	0	0	0
Arizona	185	147	26.1%	0	0	185	147	0	0	0	0
Colorado	1,421	1,134	25.3%	381	300	1,040	835	0	0	0	0
Idaho	186	147	26.8%	NM	11	176	136	0	0	0	0
Montana	446	299	49.0%	57	51	389	248	0	0	0	0
Nevada	20	20	-1.0%	0	0	20	20	0	0	0	0
New Mexico	964	983	-1.9%	217	167	747	815	NM	0	0	0
Utah	49	59	-17.7%	0	0	49	59	0	0	0	0
Wyoming	555	526	5.6%	290	298	265	229	0	0	0	0
Pacific Contiguous	2,330	2,583	-9.8%	517	506	1,812	2,076	0	0	0	0
California	1,012	1,163	-13.0%	80	61	931	1,102	0	0	0	0
Oregon	759	763	-0.4%	149	128	610	635	0	0	0	0
Washington	558	657	-15.0%	288	318	271	340	0	0	0	0
Pacific Noncontiguous	57	73	-22.0%	NM	4	53	69	0	0	0	0
Alaska	NM	7	NM	NM	4	NM	3	0	0	0	0
Hawaii	49	66	-25.1%	0	0	49	66	0	0	0	0
U.S. Total	28,910	28,353	2.0%	5,748	5,447	23,145	22,895	9	7	NM	5

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

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values for 2024 are preliminary. Values for 2023 are final. 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 September 2024 and 2023 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	Generation at Utility Scale Facilities			Electric Utilities		Independent Power Producers		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD
New England	2,487	2,486	0.0%	146	145	2,321	2,325	20	17	0	0
Connecticut	8	7	17.5%	0	0	8	7	0	0	0	0
Maine	1,681	1,695	-0.8%	0	0	1,681	1,695	0	0	0	0
Massachusetts	122	130	-6.2%	25	25	81	93	16	12	0	0
New Hampshire	301	290	3.9%	0	0	301	290	0	0	0	0
Rhode Island	130	124	4.9%	0	0	126	120	4	4	0	0
Vermont	244	240	1.5%	121	120	124	120	0	0	0	0
Middle Atlantic	6,660	5,445	22.3%	187	147	6,469	5,295	NM	2	NM	1
New Jersey	14	14	-0.1%	0	0	14	14	0	0	0	0
New York	4,137	3,160	30.9%	187	147	3,946	3,011	NM	2	NM	1
Pennsylvania	2,509	2,270	10.5%	0	0	2,509	2,270	0	0	0	0
East North Central	34,326	30,096	14.1%	4,986	4,013	29,250	26,002	20	17	69	65
Illinois	17,238	15,022	14.8%	8	8	17,227	15,014	NM	1	0	0
Indiana	6,878	6,255	10.0%	0	0	6,878	6,255	0	0	0	0
Michigan	6,796	5,664	20.0%	4,025	3,226	2,771	2,438	0	0	0	0
Ohio	2,021	1,962	3.0%	NM	3	1,950	1,896	1	2	66	60
Wisconsin	1,393	1,193	16.7%	949	775	424	399	16	14	4	4
West North Central	98,245	89,271	10.1%	36,812	34,132	61,392	55,107	33	24	NM	8
Iowa	31,842	29,337	8.5%	22,991	21,261	8,849	8,075	2	1	0	0
Kansas	22,380	19,244	16.3%	2,058	1,813	20,303	17,413	10	9	NM	8
Minnesota	10,856	10,221	6.2%	4,660	4,360	6,176	5,847	21	13	0	0
Missouri	5,094	4,819	5.7%	2,081	1,958	3,013	2,861	0	0	0	0
Nebraska	8,932	8,727	2.3%	71	65	8,861	8,662	0	0	0	0
North Dakota	10,912	10,248	6.5%	3,877	3,639	7,035	6,609	0	0	0	0
South Dakota	8,228	6,674	23.3%	1,074	1,035	7,154	5,640	0	0	0	0
South Atlantic	2,207	2,274	-2.9%	37	37	2,168	2,234	1	3	0	0
Delaware	1	3	-58.9%	0	0	0	0	1	3	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	395	336	17.7%	0	0	395	336	0	0	0	0
North Carolina	376	406	-7.3%	0	0	376	406	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	37	37	1.4%	37	37	0	0	0	0	0	0
West Virginia	1,397	1,492	-6.4%	0	0	1,397	1,492	0	0	0	0
East South Central	217	9	NM	0	0	217	9	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	201	0	--	0	0	201	0	0	0	0	0
Tennessee	16	9	72.2%	0	0	16	9	0	0	0	0
West South Central	121,680	118,114	3.0%	5,381	4,948	116,271	113,137	28	29	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	28,661	27,143	5.6%	5,233	4,792	23,428	22,351	0	0	0	0
Texas	93,019	90,971	2.3%	148	156	92,843	90,786	28	29	0	0
Mountain	39,590	36,443	8.6%	9,880	9,555	29,706	26,885	NM	1	2	2
Arizona	1,914	1,360	40.7%	0	0	1,914	1,360	0	0	0	0
Colorado	13,049	11,765	10.9%	3,301	3,186	9,746	8,578	0	0	2	2
Idaho	2,023	1,775	14.0%	114	113	1,909	1,661	0	0	0	0
Montana	4,136	3,138	31.8%	667	664	3,469	2,474	0	0	0	0
Nevada	237	239	-0.6%	0	0	237	239	0	0	0	0
New Mexico	11,089	11,499	-3.6%	2,132	2,086	8,956	9,411	NM	1	0	0
Utah	564	558	1.1%	0	0	564	558	0	0	0	0
Wyoming	6,577	6,108	7.7%	3,666	3,505	2,912	2,603	0	0	0	0
Pacific Contiguous	25,158	25,911	-2.9%	4,991	4,834	20,158	21,068	4	5	4	4
California	11,429	11,954	-4.4%	609	521	10,812	11,424	4	5	4	4
Oregon	7,521	7,795	-3.5%	1,292	1,299	6,229	6,496	0	0	0	0
Washington	6,208	6,162	0.8%	3,089	3,014	3,118	3,148	0	0	0	0
Pacific Noncontiguous	609	589	3.3%	50	47	559	542	0	0	0	0
Alaska	89	84	6.4%	50	47	39	36	0	0	0	0
Hawaii	520	506	2.8%	0	0	520	506	0	0	0	0
U.S. Total	331,177	310,638	6.6%	62,470	57,857	268,511	252,604	111	97	85	80

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NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values for 2024 are preliminary. Values for 2023 are final. 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, September 2024 and 2023 (Thousand Megawatthours)**

Census Division and State	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	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023
New England	373	318	17.4%	32	8	243	212	42	40	56	58
Connecticut	49	50	-2.7%	0	0	49	50	0	0	0	0
Maine	118	99	19.5%	0	0	62	41	0	0	56	58
Massachusetts	77	76	1.3%	0	0	39	40	38	36	0	0
New Hampshire	63	55	15.2%	0	0	59	51	4	3	0	0
Rhode Island	20	20	-2.9%	0	0	20	20	0	0	0	0
Vermont	46	18	162.6%	32	8	NM	10	0	0	0	0
Middle Atlantic	308	310	-0.7%	0	0	177	179	89	96	42	35
New Jersey	54	51	5.2%	0	0	31	27	23	24	0	0
New York	128	135	-5.3%	0	0	65	69	49	54	13	12
Pennsylvania	126	123	2.1%	0	0	80	83	17	18	28	23
East North Central	284	283	0.4%	42	35	160	161	5	7	77	80
Illinois	22	17	29.1%	8	6	14	11	0	0	0	0
Indiana	18	19	-4.3%	12	11	3	5	0	0	4	3
Michigan	152	160	-4.6%	0	0	109	111	2	3	41	46
Ohio	24	18	31.6%	0	0	12	10	1	1	12	8
Wisconsin	67	69	-2.3%	22	19	22	24	2	4	21	22
West North Central	153	141	8.8%	21	23	45	45	17	16	71	57
Iowa	21	18	13.1%	NM	3	9	8	2	0	8	6
Kansas	5	6	-5.5%	0	0	5	6	0	0	0	0
Minnesota	109	98	11.0%	11	12	27	27	10	10	61	49
Missouri	9	9	1.0%	NM	1	NM	3	5	4	0	0
Nebraska	7	8	-6.2%	6	6	0	0	1	2	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	NM	1	NM	0	0	0	0	0	0	NM	1
South Atlantic	1,264	1,221	3.6%	88	117	426	393	66	69	685	642
Delaware	5	5	4.9%	0	0	4	4	0	0	NM	1
District of Columbia	4	4	3.6%	0	0	0	0	4	4	0	0
Florida	222	250	-11.1%	10	35	81	78	34	38	98	99
Georgia	468	404	15.8%	0	0	176	142	0	0	293	262
Maryland	28	23	22.1%	0	0	28	23	0	0	0	0
North Carolina	119	138	-13.5%	0	0	48	54	0	0	71	84
South Carolina	161	139	15.3%	5	5	31	24	0	0	125	110
Virginia	256	257	-0.5%	73	77	58	66	28	27	98	87
West Virginia	NM	1	NM	0	0	NM	1	0	0	0	0
East South Central	432	421	2.6%	7	6	9	9	0	0	417	406
Alabama	250	260	-3.9%	0	0	NM	3	0	0	247	257
Kentucky	36	22	65.6%	7	6	NM	1	0	0	28	14
Mississippi	110	100	9.9%	0	0	NM	1	0	0	109	99
Tennessee	37	39	-6.8%	0	0	NM	4	0	0	33	35
West South Central	315	371	-15.1%	0	47	24	25	0	-1	291	300
Arkansas	71	56	25.7%	0	0	NM	2	0	0	68	54
Louisiana	140	169	-17.2%	0	0	7	7	0	0	133	162
Oklahoma	23	7	221.0%	0	0	NM	1	0	-1	21	7
Texas	82	138	-40.9%	0	47	13	14	0	0	69	78
Mountain	72	79	-9.1%	NM	2	41	47	3	3	26	27
Arizona	NM	18	NM	0	0	NM	18	0	0	0	0
Colorado	5	11	-52.2%	0	0	5	11	0	0	0	0
Idaho	34	35	-3.1%	NM	1	6	6	2	2	25	25
Montana	2	3	-4.5%	NM	1	0	0	0	0	2	2
Nevada	5	4	13.8%	0	0	5	4	0	0	0	0
New Mexico	1	1	32.2%	0	0	1	1	0	0	0	0
Utah	7	7	-5.0%	0	0	7	6	0	1	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	569	629	-9.6%	34	43	304	346	57	64	174	177
California	400	444	-10.0%	4	4	276	314	55	61	65	65
Oregon	74	67	9.8%	5	5	20	25	2	2	46	35
Washington	96	119	-19.3%	NM	33	8	7	NM	1	63	78
Pacific Noncontiguous	26	26	-2.4%	1	1	8	10	17	16	0	0
Alaska	3	4	-4.4%	0	0	0	0	3	4	0	0
Hawaii	22	23	-2.1%	1	1	8	10	14	12	0	0
U.S. Total	3,797	3,799	-0.1%	225	282	1,436	1,426	297	310	1,839	1,782

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 for 2024 are preliminary. Values for 2023 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.

Negative generation denotes that electric power consumed for plant use exceeds gross generation.

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

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

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

by State, by Sector, Year-to-Date through September 2024 and 2023 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	Generation at Utility Scale Facilities			Electric Utilities		Independent Power Producers		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD
New England	3,284	3,323	-1.2%	186	192	2,308	2,307	347	361	443	464
Connecticut	433	432	0.2%	0	0	433	432	0	0	0	0
Maine	1,095	1,116	-1.9%	0	0	649	646	3	6	443	464
Massachusetts	675	669	0.9%	0	0	358	343	317	326	0	0
New Hampshire	589	603	-2.4%	0	0	564	576	25	28	0	0
Rhode Island	186	187	-0.8%	0	0	186	187	0	0	0	0
Vermont	307	316	-2.7%	186	192	119	123	1	1	0	0
Middle Atlantic	2,797	2,859	-2.2%	0	0	1,555	1,666	898	836	345	357
New Jersey	498	497	0.3%	0	0	240	253	258	244	0	0
New York	1,167	1,208	-3.4%	0	0	574	657	475	445	118	107
Pennsylvania	1,132	1,154	-1.9%	0	0	741	756	165	148	226	250
East North Central	2,795	2,906	-3.8%	458	477	1,507	1,619	61	70	768	740
Illinois	190	186	2.1%	63	64	127	123	0	0	0	0
Indiana	172	193	-10.7%	106	118	32	42	0	0	34	33
Michigan	1,506	1,516	-0.6%	0	0	1,040	1,110	32	31	434	374
Ohio	204	249	-18.2%	0	0	106	121	6	6	92	122
Wisconsin	722	762	-5.3%	289	295	203	223	23	33	207	210
West North Central	1,248	1,195	4.4%	176	182	384	357	109	108	580	548
Iowa	161	155	3.4%	24	23	73	76	5	5	59	52
Kansas	48	48	-0.3%	0	0	48	48	0	0	0	0
Minnesota	888	836	6.1%	91	92	234	205	56	58	506	481
Missouri	79	75	5.5%	10	12	28	29	39	32	2	2
Nebraska	60	68	-11.5%	51	54	0	0	9	14	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	12	12	0.6%	0	0	0	0	0	0	12	12
South Atlantic	11,777	11,629	1.3%	1,102	1,208	3,656	3,886	638	691	6,380	5,844
Delaware	47	49	-5.3%	0	0	38	40	0	0	9	10
District of Columbia	42	43	-2.7%	0	0	0	0	42	43	0	0
Florida	2,274	2,390	-4.9%	315	331	705	791	312	343	942	925
Georgia	4,038	3,754	7.6%	0	0	1,415	1,405	0	0	2,623	2,349
Maryland	251	239	5.1%	0	0	251	236	0	3	0	0
North Carolina	1,156	1,274	-9.3%	0	0	442	510	0	0	714	765
South Carolina	1,505	1,319	14.1%	47	50	267	325	0	0	1,191	944
Virginia	2,456	2,552	-3.8%	741	827	532	573	283	302	901	851
West Virginia	6	7	-4.4%	0	0	6	7	0	0	0	0
East South Central	4,056	4,021	0.9%	59	60	80	79	0	0	3,917	3,881
Alabama	2,470	2,372	4.1%	0	0	31	31	0	0	2,439	2,341
Kentucky	314	309	1.6%	59	60	7	6	0	0	248	243
Mississippi	940	1,013	-7.2%	0	0	6	6	0	0	934	1,007
Tennessee	332	327	1.6%	0	0	36	37	0	0	296	290
West South Central	3,252	3,182	2.2%	159	236	209	226	-2	-7	2,885	2,727
Arkansas	617	508	21.3%	0	0	19	20	0	0	597	489
Louisiana	1,465	1,457	0.5%	0	0	63	63	0	0	1,401	1,394
Oklahoma	246	198	24.4%	0	0	12	12	-2	-7	236	193
Texas	924	1,019	-9.3%	159	236	115	131	0	0	650	651
Mountain	634	705	-10.1%	17	18	374	396	30	33	213	257
Arizona	151	141	7.0%	0	0	151	141	0	0	0	0
Colorado	65	97	-33.6%	0	0	65	97	0	0	0	0
Idaho	282	327	-13.7%	12	13	46	50	23	23	201	242
Montana	17	21	-18.4%	5	6	0	0	0	0	12	15
Nevada	43	40	7.9%	0	0	43	40	0	0	0	0
New Mexico	10	10	1.4%	0	0	10	10	0	0	0	0
Utah	66	69	-4.2%	0	0	59	58	7	10	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	5,185	5,444	-4.8%	302	297	2,787	2,954	553	574	1,543	1,620
California	3,649	3,823	-4.6%	35	33	2,491	2,687	526	547	596	556
Oregon	707	660	7.1%	46	48	222	200	23	22	416	391
Washington	830	962	-13.7%	220	216	74	67	5	5	531	673
Pacific Noncontiguous	214	226	-5.4%	13	11	60	79	140	136	0	0
Alaska	31	29	7.7%	0	0	0	0	31	29	0	0
Hawaii	183	197	-7.3%	13	11	60	79	110	107	0	0
U.S. Total	35,243	35,490	-0.7%	2,473	2,680	12,921	13,570	2,774	2,802	17,075	16,438

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 for 2024 are preliminary. Values for 2023 are final. 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, September 2024 and 2023 (Thousand Megawatthours)

Census Division and State	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	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 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	345	355	-2.8%	18	17	326	338	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	6	8	-23.6%	0	0	6	8	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	304	312	-2.5%	0	0	304	312	0	0	0	0
New Mexico	2	2	-25.6%	0	0	2	2	0	0	0	0
Utah	34	33	1.0%	18	17	15	16	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	906	949	-4.6%	55	42	851	907	0	0	0	0
California	893	937	-4.7%	55	42	838	894	0	0	0	0
Oregon	13	12	4.1%	0	0	13	12	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	21	11	97.5%	0	0	21	11	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	21	11	97.5%	0	0	21	11	0	0	0	0
U.S. Total	1,272	1,315	-3.2%	73	59	1,199	1,255	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 for 2024 are preliminary. Values for 2023 are final. 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 September 2024 and 2023 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	Generation at Utility Scale Facilities			Electric Utilities		Independent Power Producers		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 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	3,283	3,415	-3.8%	171	178	3,113	3,237	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	54	63	-14.1%	0	0	54	63	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	2,895	2,998	-3.4%	0	0	2,895	2,998	0	0	0	0
New Mexico	21	26	-20.0%	0	0	21	26	0	0	0	0
Utah	314	328	-4.3%	171	178	143	150	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	8,304	8,498	-2.3%	449	437	7,855	8,061	0	0	0	0
California	8,183	8,375	-2.3%	449	437	7,733	7,938	0	0	0	0
Oregon	122	123	-0.9%	0	0	122	123	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	200	123	63.0%	0	0	200	123	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	200	123	63.0%	0	0	200	123	0	0	0	0
U.S. Total	11,788	12,035	-2.1%	620	615	11,168	11,421	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 for 2024 are preliminary. Values for 2023 are final. 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.A. Utility Scale Facility Net Generation from Solar Thermal by State, by Sector, September 2024 and 2023 (Thousand Megawatthours)

Census Division and State	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	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 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	121	98	23.8%	0	0	121	98	0	0	0	0
Arizona	93	76	23.5%	0	0	93	76	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	27	22	23.7%	0	0	27	22	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	0	--	0	0	NM	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	214	195	9.7%	0	0	214	195	0	0	0	0
California	214	195	9.7%	0	0	214	195	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	335	293	14.4%	0	0	335	293	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 for 2024 are preliminary. Values for 2023 are final. 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 September 2024 and 2023 (Thousand Megawatthours)

Census Division and State	All Sectors			Electric Power Sector				Commercial Sector		Industrial Sector	
	Generation at Utility Scale Facilities			Electric Utilities		Independent Power Producers		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities	
	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 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	900	762	18.2%	0	0	900	762	0	0	0	0
Arizona	686	637	7.6%	0	0	686	637	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	212	124	70.8%	0	0	212	124	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	0	--	0	0	NM	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,731	1,526	13.4%	0	0	1,731	1,526	0	0	0	0
California	1,731	1,526	13.4%	0	0	1,731	1,526	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	2,632	2,288	15.0%	0	0	2,632	2,288	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 for 2024 are preliminary. Values for 2023 are final. 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-September 2024 (Thousand Tons)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
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	386,626	291,034	94,063	69	1,460
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	35,506	27,360	7,998	9	138
February	26,854	19,980	6,749	8	118
March	28,671	21,207	7,345	6	114
April	22,889	16,155	6,616	7	111
May	25,484	18,557	6,799	6	122
June	33,541	26,111	7,308	3	120
July	44,412	34,525	9,752	4	131
August	43,887	34,029	9,730	4	123
Sept	34,223	26,184	7,913	5	121
October	29,580	21,997	7,460	6	117
November	29,549	21,115	8,310	6	117
December	32,031	23,814	8,083	7	127
Year 2024					
January	42,428	32,416	9,872	10	130
February	25,926	20,136	5,662	7	121
March	22,274	17,482	4,654	7	132
April	21,253	15,750	5,397	4	102
May	26,228	19,968	6,139	3	118
June	34,450	26,811	7,512	4	122
July	40,501	31,227	9,135	5	133
August	39,427	30,081	9,209	6	131
Sept	31,572	23,978	7,465	6	123
Year to Date					
2022	365,970	271,123	93,518	61	1,267
2023	295,467	224,108	70,210	50	1,099
2024	284,058	217,849	65,046	51	1,112
Rolling 12 Months Ending in September					
2023	401,073	302,305	97,205	76	1,487
2024	375,217	284,775	88,899	69	1,473

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 2023 and prior years are final. Values for 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 Fossil Gas.

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-September 2024 (Thousand Tons)

Period	Total (all sectors)	Electric Power Sector			
		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	9,363	1,580	527	331	6,925
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	922	157	53	43	669
February	787	127	47	37	576
March	839	142	65	33	600
April	710	88	40	29	553
May	744	119	33	22	569
June	731	117	43	20	552
July	811	167	36	21	586
August	771	157	38	22	553
Sept	753	146	34	22	551
October	734	114	47	22	551
November	760	115	43	28	574
December	802	131	48	33	591
Year 2024					
January	896	157	45	44	650
February	774	127	38	32	577
March	877	131	57	29	660
April	725	114	28	26	557
May	701	108	38	16	540
June	733	109	32	25	567
July	775	130	26	26	593
August	812	147	34	26	605
Sept	726	118	22	26	561
Year to Date					
2022	8,501	1,687	565	318	5,931
2023	7,068	1,220	390	249	5,209
2024	7,020	1,140	319	250	5,310
Rolling 12 Months Ending in September					
2023	9,922	1,802	556	378	7,185
2024	9,315	1,500	457	332	7,026

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 2023 and prior years are final. Values for 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 Fossil Gas.

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-September 2024 (Thousand Tons)

Period	Total (all sectors)	Electric Power Sector			
		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	395,989	292,615	94,591	400	8,384
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	36,428	27,518	8,051	51	808
February	27,641	20,107	6,796	44	694
March	29,511	21,349	7,409	39	714
April	23,599	16,243	6,656	36	664
May	26,227	18,677	6,832	28	691
June	34,273	26,228	7,351	22	672
July	45,223	34,692	9,788	26	718
August	44,658	34,186	9,768	26	677
Sept	34,975	26,329	7,948	27	671
October	30,313	22,111	7,507	27	668
November	30,308	21,231	8,353	34	691
December	32,833	23,945	8,131	39	718
Year 2024					
January	43,324	32,573	9,917	54	780
February	26,700	20,263	5,700	39	698
March	23,151	17,612	4,711	36	792
April	21,978	15,864	5,425	30	659
May	26,929	20,076	6,177	19	658
June	35,182	26,921	7,544	29	689
July	41,276	31,357	9,162	31	726
August	40,239	30,228	9,243	32	736
Sept	32,298	24,096	7,487	31	683
Year to Date					
2022	374,472	272,810	94,083	380	7,199
2023	302,535	225,328	70,600	299	6,308
2024	291,078	218,989	65,366	301	6,422
Rolling 12 Months Ending in September					
2023	410,995	304,107	97,762	454	8,672
2024	384,533	286,276	89,357	401	8,499

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 2023 and prior years are final. Values for 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 Fossil Gas.

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-September 2024 (Thousand Barrels)

Period	Total (all sectors)	Electric Power Sector			Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers			
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	21,336	16,366	4,253		200	517
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	1,821	1,453	283		24	61
February	2,432	1,558	791		36	47
March	1,677	1,305	303		16	53
April	1,605	1,262	292		11	40
May	1,689	1,348	290		15	36
June	1,680	1,370	256		11	43
July	1,778	1,318	405		13	41
August	1,789	1,445	289		13	41
Sept	1,666	1,277	339		12	38
October	1,825	1,351	423		13	37
November	1,671	1,313	304		15	38
December	1,704	1,366	277		21	41
Year 2024						
January	3,038	2,185	771		27	54
February	1,469	1,199	204		14	53
March	1,509	1,197	258		18	37
April	2,013	1,410	541		19	43
May	1,733	1,336	336		19	41
June	1,725	1,293	372		22	38
July	1,880	1,339	491		NM	40
August	1,925	1,525	351		11	39
Sept	1,598	1,303	251		8	36
Year to Date						
2022	19,369	12,544	6,229		184	412
2023	16,135	12,336	3,248		151	400
2024	16,891	12,787	3,575		149	380
Rolling 12 Months Ending in September						
2023	25,526	18,166	6,493		221	646
2024	22,091	16,817	4,580		NM	496

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 2023 and prior years are final. Values for 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 Fossil Gas.

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-September 2024 (Thousand Barrels)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
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	3,133	65	330	363	2,374
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	406	6	35	62	303
February	373	9	29	30	305
March	326	4	26	25	271
April	329	5	29	8	288
May	163	7	26	10	120
June	166	5	26	16	120
July	174	5	25	16	129
August	204	5	23	16	161
Sept	207	3	25	20	158
October	193	6	32	17	137
November	247	5	25	37	181
December	344	5	29	107	203
Year 2024					
January	472	20	26	87	340
February	260	4	19	43	193
March	285	4	22	64	196
April	262	6	20	42	194
May	290	5	24	61	201
June	304	5	26	67	206
July	180	5	24	NM	144
August	189	6	21	6	156
Sept	183	4	19	6	154
Year to Date					
2022	2,895	75	284	333	2,203
2023	2,348	48	244	203	1,853
2024	2,426	60	199	382	1,785
Rolling 12 Months Ending in September					
2023	3,634	79	363	364	2,827
2024	3,211	76	285	NM	2,306

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 2023 and prior years are final. Values for 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 Fossil Gas.

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-September 2024 (Thousand Barrels)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
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	24,468	16,431	4,583	563	2,891
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	2,227	1,460	318	86	363
February	2,805	1,566	820	66	352
March	2,003	1,309	329	41	324
April	1,934	1,267	321	18	328
May	1,852	1,355	317	25	155
June	1,846	1,374	281	27	163
July	1,952	1,323	430	29	170
August	1,993	1,450	312	29	202
Sept	1,872	1,280	364	32	197
October	2,018	1,357	456	30	174
November	1,918	1,319	329	52	219
December	2,049	1,371	306	127	245
Year 2024					
January	3,510	2,205	797	114	395
February	1,729	1,203	223	57	245
March	1,795	1,201	280	81	233
April	2,275	1,417	561	61	237
May	2,023	1,341	360	80	242
June	2,030	1,298	398	89	245
July	2,060	1,344	515	NM	184
August	2,114	1,531	372	17	195
Sept	1,781	1,307	270	14	190
Year to Date					
2022	22,264	12,619	6,513	517	2,615
2023	18,484	12,384	3,492	354	2,253
2024	19,317	12,847	3,774	531	2,165
Rolling 12 Months Ending in September					
2023	29,160	18,246	6,856	585	3,473
2024	25,302	16,893	4,865	NM	2,803

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 2023 and prior years are final. Values for 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 Fossil Gas.

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-September 2024 (Thousand Tons)

Period	Total (all sectors)	Electric Power Sector			Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers			
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	2,028	1,328	594		1	105
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	179	116	52		0	11
February	163	107	47		0	9
March	135	73	49		0	12
April	124	74	43		0	7
May	144	76	60		0	8
June	162	107	48		0	7
July	266	196	59		0	10
August	265	197	59		0	9
Sept	238	175	55		0	8
October	125	76	41		0	8
November	80	49	24		0	8
December	147	81	57		0	8
Year 2024						
January	138	95	36		0	7
February	114	69	39		0	6
March	63	22	35		0	7
April	103	66	30		0	7
May	118	76	36		0	6
June	169	115	45		0	8
July	185	131	46		0	8
August	181	128	46		0	7
Sept	108	70	32		0	6
Year to Date						
2022	2,199	1,647	451		2	98
2023	1,676	1,122	472		0	81
2024	1,179	772	345		1	62
Rolling 12 Months Ending in September						
2023	2,462	1,746	599		1	116
2024	1,531	978	466		1	86

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 2023 and prior years are final. Values for 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 Fossil Gas. 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-September 2024 (Thousand Tons)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
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	622	8	115	3	495
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	49	1	9	1	37
February	38	1	10	0	26
March	60	2	10	0	47
April	52	2	8	0	41
May	56	0	10	0	46
June	51	0	10	0	41
July	52	1	10	0	41
August	56	1	10	0	45
Sept	53	0	11	0	41
October	53	0	8	0	45
November	49	0	8	0	41
December	53	0	10	1	41
Year 2024					
January	59	0	14	1	43
February	38	0	8	1	30
March	36	0	8	0	28
April	43	0	5	0	38
May	47	2	7	1	37
June	49	0	8	1	40
July	50	0	9	0	41
August	53	0	9	0	43
Sept	42	0	7	0	35
Year to Date					
2022	527	16	67	11	433
2023	466	8	88	2	367
2024	416	2	75	4	335
Rolling 12 Months Ending in September					
2023	656	15	114	4	523
2024	572	2	102	5	463

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 2023 and prior years are final. Values for 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 Fossil Gas. 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-September 2024 (Thousand Tons)

Period	Total (all sectors)	Electric Power Sector			Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers			
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	2,649	1,336	709		4	600
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	228	116	62		2	48
February	201	108	57		0	35
March	195	75	60		0	59
April	175	77	51		0	48
May	200	76	70		0	54
June	213	107	57		0	49
July	318	197	69		0	52
August	321	197	69		0	54
Sept	290	175	66		0	49
October	178	76	49		0	53
November	129	49	32		0	49
December	200	81	67		1	50
Year 2024						
January	197	95	50		2	50
February	152	69	47		1	35
March	99	22	43		0	35
April	147	66	36		0	45
May	165	78	43		1	44
June	218	115	54		1	48
July	235	131	54		0	49
August	233	128	55		0	51
Sept	150	70	39		0	41
Year to Date						
2022	2,726	1,663	518		14	531
2023	2,141	1,130	561		2	448
2024	1,596	774	420		5	398
Rolling 12 Months Ending in September						
2023	3,118	1,761	713		5	639
2024	2,103	980	568		6	549

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 2023 and prior years are final. Values for 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 Fossil Gas. 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-September 2024 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
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	12,384,086	6,376,041	5,364,050	48,658	595,337
2023	13,244,813	6,820,807	5,766,811	49,069	608,127
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	947,250	488,790	406,341	3,767	48,352
June	1,168,712	623,023	491,993	4,050	49,645
July	1,430,805	752,312	619,375	4,873	54,246
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	928,162	480,119	394,845	3,849	49,349
December	1,015,891	524,610	437,787	4,265	49,229
Year 2023					
January	986,729	509,637	423,074	3,981	50,037
February	886,200	452,487	384,540	3,676	45,496
March	959,777	498,668	407,459	3,899	49,751
April	882,659	460,800	374,473	3,575	43,811
May	1,015,436	541,880	420,862	3,768	48,927
June	1,204,125	629,324	518,898	4,137	51,767
July	1,500,478	772,944	667,653	4,925	54,956
August	1,498,044	785,548	652,373	4,711	55,411
Sept	1,225,232	620,161	548,257	4,408	52,405
October	1,040,696	527,858	458,366	3,905	50,567
November	986,104	487,240	444,261	3,741	50,862
December	1,059,333	534,260	466,594	4,344	54,135
Year 2024					
January	1,163,883	593,542	510,416	4,289	55,636
February	939,647	483,091	403,447	4,003	49,106
March	944,562	493,501	398,112	4,175	48,774
April	908,193	475,674	380,376	3,485	48,658
May	1,068,924	577,455	439,366	3,765	48,339
June	1,264,109	675,569	537,419	4,168	46,954
July	1,556,527	834,189	665,774	4,682	51,881
August	1,517,308	812,335	646,225	4,707	54,041
Sept	1,249,157	662,363	533,731	4,074	48,989
Year to Date					
2022	9,468,282	4,879,758	4,103,166	36,912	448,446
2023	10,158,680	5,271,450	4,397,589	37,079	452,562
2024	10,612,309	5,607,718	4,514,866	37,347	452,378
Rolling 12 Months Ending in September					
2023	13,074,484	6,767,732	5,658,473	48,825	599,453
2024	13,698,443	7,157,076	5,884,088	49,337	607,942

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 2023 and prior years are final. Values for 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-September 2024 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector			Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers			
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	1,206,250	46,329	305,125		74,683	780,113
2023	1,210,187	46,531	306,058		69,832	787,766
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	66,156
April	92,922	2,748	22,502		5,734	61,937
May	95,766	3,356	24,200		5,623	62,587
June	97,703	3,887	25,622		5,855	62,339
July	106,539	4,604	28,679		6,816	66,440
August	106,095	4,242	27,578		6,894	67,381
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	104,564	4,401	25,603		6,659	67,900
Year 2023						
January	105,708	4,357	25,508		6,325	69,519
February	96,292	3,879	24,676		5,805	61,931
March	103,003	3,925	25,733		5,943	67,403
April	93,565	3,302	23,341		5,162	61,760
May	94,798	3,414	22,583		5,193	63,608
June	98,914	3,707	24,782		5,479	64,946
July	105,374	4,560	27,941		6,309	66,565
August	104,078	4,161	27,825		5,991	66,101
Sept	99,777	3,791	25,380		5,793	64,813
October	97,349	3,239	25,276		5,599	63,236
November	102,859	3,964	26,458		6,005	66,433
December	108,469	4,232	26,556		6,229	71,451
Year 2024						
January	116,006	4,497	28,885		6,911	75,713
February	101,725	4,150	26,532		6,211	64,832
March	103,212	4,310	26,310		6,264	66,328
April	95,125	3,373	22,516		5,163	64,074
May	98,579	3,994	24,818		5,081	64,687
June	99,048	4,654	26,212		5,391	62,791
July	105,049	5,652	28,829		5,693	64,875
August	107,367	5,557	29,516		5,718	66,576
Sept	100,984	4,827	27,019		5,305	63,832
Year to Date						
2022	908,277	34,838	232,842		56,918	583,680
2023	901,511	35,096	227,769		52,000	586,646
2024	927,096	41,013	240,636		51,738	593,709
Rolling 12 Months Ending in September						
2023	1,199,484	46,587	300,053		69,765	783,079
2024	1,235,773	52,448	318,925		69,571	794,829

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 2023 and prior years are final. Values for 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-September 2024 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
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	13,590,336	6,422,369	5,669,175	123,342	1,375,449
2023	14,455,000	6,867,338	6,072,869	118,901	1,395,893
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	1,043,016	492,145	430,541	9,390	110,939
June	1,266,415	626,911	517,616	9,905	111,984
July	1,537,345	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	484,136	417,970	9,543	114,656
December	1,120,455	529,011	463,390	10,924	117,129
Year 2023					
January	1,092,437	513,994	448,582	10,306	119,555
February	982,491	456,366	409,217	9,481	107,428
March	1,062,781	502,593	433,192	9,842	117,154
April	976,224	464,102	397,814	8,736	105,572
May	1,110,234	545,294	443,445	8,961	112,535
June	1,303,039	633,031	543,680	9,616	116,712
July	1,605,852	777,504	695,593	11,234	121,521
August	1,602,122	789,709	680,198	10,702	121,512
Sept	1,325,009	623,952	573,638	10,201	117,219
October	1,138,045	531,097	483,641	9,504	113,803
November	1,088,963	491,203	470,719	9,745	117,295
December	1,167,802	538,492	493,151	10,573	125,586
Year 2024					
January	1,279,889	598,039	539,300	11,200	131,349
February	1,041,372	487,241	429,980	10,214	113,938
March	1,047,775	497,811	424,422	10,439	115,103
April	1,003,318	479,046	402,892	8,648	112,732
May	1,167,503	581,448	464,183	8,846	113,026
June	1,363,157	680,222	563,631	9,559	109,745
July	1,661,575	839,841	694,603	10,375	116,756
August	1,624,675	817,892	675,741	10,425	120,617
Sept	1,350,141	667,190	560,751	9,380	112,821
Year to Date					
2022	10,376,559	4,914,595	4,336,007	93,830	1,032,126
2023	11,060,190	5,306,545	4,625,358	89,079	1,039,209
2024	11,539,406	5,648,731	4,755,502	89,085	1,046,087
Rolling 12 Months Ending in September					
2023	14,273,968	6,814,319	5,958,526	118,590	1,382,532
2024	14,934,215	7,209,524	6,203,013	118,908	1,402,771

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

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Values for 2023 and prior years are final. Values for 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-September 2024 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
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	194,294	15,815	162,863	13,392	2,224
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	16,943	1,406	14,204	1,177	156
February	15,058	1,220	12,575	1,092	172
March	16,460	1,395	13,702	1,151	212
April	15,191	1,273	12,676	1,073	169
May	16,976	1,410	14,319	1,103	145
June	16,370	1,356	13,723	1,111	181
July	16,562	1,332	13,922	1,161	148
August	16,623	1,319	13,967	1,206	131
Sept	15,364	1,188	12,923	1,132	120
October	15,752	1,273	13,412	935	133
November	15,829	1,284	13,298	1,099	147
December	17,164	1,360	14,142	1,152	510
Year 2024					
January	15,810	1,308	13,172	1,159	171
February	14,081	1,218	11,657	1,028	179
March	14,925	1,279	12,429	1,034	183
April	13,948	1,241	11,594	973	139
May	14,971	1,304	12,646	940	81
June	14,630	1,286	12,286	939	118
July	16,003	1,421	13,358	1,054	170
August	15,676	1,449	12,967	1,093	167
Sept	15,111	1,364	12,577	1,017	153
Year to Date					
2022	160,394	14,240	133,338	11,099	1,716
2023	145,549	11,897	122,011	10,206	1,434
2024	135,156	11,871	112,686	9,237	1,362
Rolling 12 Months Ending in September					
2023	197,022	16,143	164,833	14,006	2,040
2024	183,902	15,788	153,538	12,422	2,153

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 2023 and prior years are final. Values for 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-September 2024 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector			
		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	3,418	10	1,730	705	973
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	297	1	153	64	80
February	267	1	135	52	79
March	283	1	145	49	88
April	297	1	142	65	89
May	221	1	103	40	78
June	294	1	152	53	88
July	310	1	161	65	83
August	309	1	160	70	78
Sept	279	1	155	61	63
October	293	1	147	72	73
November	247	1	104	60	83
December	321	1	173	54	93
Year 2024					
January	329	1	196	46	86
February	305	1	167	51	87
March	307	1	166	52	88
April	317	1	147	38	132
May	183	1	95	32	55
June	232	1	137	18	76
July	280	1	157	26	95
August	344	1	179	50	114
Sept	305	1	154	52	98
Year to Date					
2022	3,256	12	1,530	629	1,085
2023	2,557	8	1,305	519	725
2024	2,601	7	1,398	367	830
Rolling 12 Months Ending in September					
2023	3,580	12	1,770	707	1,091
2024	3,462	9	1,822	552	1,079

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 2023 and prior years are final. Values for 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-September 2024 (Million Cubic Feet)

Period	Total (all sectors)	Electric Power Sector			Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers			
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	197,712	15,825	164,593		14,097	3,197
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	17,241	1,407	14,356		1,241	237
February	15,326	1,220	12,710		1,144	250
March	16,743	1,395	13,847		1,200	300
April	15,488	1,274	12,818		1,138	257
May	17,197	1,411	14,422		1,142	222
June	16,664	1,356	13,875		1,165	268
July	16,873	1,333	14,083		1,227	231
August	16,932	1,320	14,127		1,276	209
Sept	15,643	1,188	13,078		1,193	183
October	16,045	1,274	13,559		1,006	206
November	16,075	1,285	13,402		1,159	230
December	17,486	1,361	14,316		1,206	603
Year 2024						
January	16,139	1,309	13,368		1,205	257
February	14,386	1,218	11,823		1,079	265
March	15,232	1,280	12,595		1,087	271
April	14,265	1,242	11,741		1,011	271
May	15,154	1,305	12,741		972	136
June	14,862	1,287	12,423		957	194
July	16,283	1,422	13,515		1,080	265
August	16,020	1,450	13,146		1,143	281
Sept	15,416	1,364	12,731		1,069	251
Year to Date						
2022	163,650	14,252	134,868		11,728	2,801
2023	148,106	11,905	123,316		10,726	2,158
2024	137,758	11,878	114,084		9,603	2,193
Rolling 12 Months Ending in September						
2023	200,601	16,154	166,603		14,713	3,131
2024	187,364	15,798	155,360		12,974	3,232

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 2023 and prior years are final. Values for 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-September 2024 (Thousand Tons)

Period	Total (all sectors)	Electric Power Sector			
		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	13,916	283	6,960	6,674	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	1,205	24	616	564	0
February	1,048	15	539	494	0
March	1,112	21	575	516	0
April	1,065	21	533	512	0
May	1,170	21	591	558	0
June	1,180	26	582	572	0
July	1,248	24	620	604	0
August	1,235	28	614	592	0
Sept	1,140	24	572	544	0
October	1,156	27	564	565	0
November	1,131	26	546	559	0
December	1,226	24	607	595	0
Year 2024					
January	1,179	21	582	575	0
February	1,062	17	531	513	0
March	1,103	13	565	524	0
April	1,067	20	504	544	0
May	1,168	29	567	571	0
June	1,134	27	555	552	0
July	1,198	28	595	574	0
August	1,222	27	602	593	0
Sept	1,108	24	560	524	0
Year to Date					
2022	10,942	206	5,534	5,203	0
2023	10,404	206	5,243	4,956	0
2024	10,240	207	5,062	4,971	0
Rolling 12 Months Ending in September					
2023	14,051	274	7,055	6,722	0
2024	13,752	284	6,779	6,689	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 2023 and prior years are final. Values for 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 2.6.B. Biogenic Municipal Solid Waste: Consumption for Useful Thermal Output, by Sector, 2014-September 2024 (Thousand Tons)

Period	Total (all sectors)	Electric Power Sector			
		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	1,667	0	449	1,218	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	135	0	38	97	0
February	129	0	33	96	0
March	137	0	34	103	0
April	129	0	32	97	0
May	141	0	33	108	0
June	128	0	33	95	0
July	148	0	41	107	0
August	153	0	40	113	0
Sept	140	0	40	101	0
October	122	0	37	85	0
November	145	0	44	102	0
December	159	0	43	115	0
Year 2024					
January	141	0	43	98	0
February	130	0	35	95	0
March	126	0	33	93	0
April	111	0	35	76	0
May	133	0	36	96	0
June	125	0	31	94	0
July	128	0	35	93	0
August	111	0	36	74	0
Sept	80	0	33	46	0
Year to Date					
2022	1,251	0	298	954	0
2023	1,241	0	324	917	0
2024	1,085	0	319	767	0
Rolling 12 Months Ending in September					
2023	1,637	0	427	1,209	0
2024	1,511	0	443	1,068	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 2023 and prior years are final. Values for 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-September 2024 (Thousand Tons)

Period	Total (all sectors)	Electric Power Sector			Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers			
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	15,584	283	7,408	7,892	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	1,340	24	654	662	0	
February	1,177	15	571	591	0	
March	1,250	21	609	619	0	
April	1,194	21	564	609	0	
May	1,311	21	625	665	0	
June	1,309	26	615	668	0	
July	1,396	24	661	711	0	
August	1,388	28	654	705	0	
Sept	1,281	24	612	644	0	
October	1,278	27	601	649	0	
November	1,276	26	590	660	0	
December	1,385	24	650	710	0	
Year 2024						
January	1,320	21	626	673	0	
February	1,192	17	566	609	0	
March	1,229	13	599	617	0	
April	1,178	20	539	619	0	
May	1,301	29	604	668	0	
June	1,259	27	586	646	0	
July	1,326	28	630	668	0	
August	1,333	27	638	667	0	
Sept	1,187	24	593	571	0	
Year to Date						
2022	12,194	206	5,831	6,156	0	
2023	11,645	206	5,567	5,873	0	
2024	11,325	207	5,381	5,738	0	
Rolling 12 Months Ending in September						
2023	15,688	274	7,482	7,931	0	
2024	15,264	284	7,222	7,757	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 2023 and prior years are final. Values for 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

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Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.7.A. Wood / Wood Waste Biomass: Consumption for Electricity Generation, by Sector, 2014-September 2024 (Billion Btus)

Period	Total (all sectors)	Electric Power Sector			
		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	323,820	46,357	125,125	1,140	151,198
2023	289,996	38,914	110,338	732	140,012
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	26,094	3,542	9,711	110	12,731
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	26,972	3,947	10,564	76	12,384
February	23,316	3,531	8,879	47	10,859
March	24,472	2,504	9,943	55	11,971
April	21,340	1,966	8,038	46	11,290
May	24,408	2,836	9,447	24	12,101
June	24,292	3,798	9,164	68	11,262
July	26,080	4,560	9,783	58	11,678
August	27,025	4,473	10,163	85	12,304
Sept	23,669	3,310	8,832	82	11,446
October	20,337	2,193	7,284	61	10,800
November	22,798	2,521	8,717	56	11,503
December	25,286	3,276	9,522	74	12,414
Year 2024					
January	25,390	3,941	9,468	99	11,882
February	21,707	2,797	7,787	37	11,086
March	22,556	2,031	8,722	24	11,779
April	21,066	2,355	7,203	9	11,499
May	23,871	3,230	8,590	33	12,018
June	23,533	3,641	8,082	66	11,744
July	23,599	3,503	8,061	111	11,925
August	24,669	3,641	8,672	60	12,296
Sept	22,125	2,427	8,248	83	11,368
Year to Date					
2022	246,931	35,593	95,654	948	114,735
2023	221,574	30,924	84,814	541	105,295
2024	208,517	27,566	74,833	521	105,597
Rolling 12 Months Ending in September					
2023	298,464	41,688	114,285	732	141,758
2024	276,938	35,555	100,357	712	140,314

Notes: Beginning with the collection of Form EIA-923 in January 2008, the methodology to allocate total fuel consumption for electricity generation and consumption for useful thermal output was changed.

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

Period	Total (all sectors)	Electric Power Sector			
		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	819,538	4,629	21,579	3,158	790,172
2023	754,615	4,076	20,744	2,343	727,452
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	70,011	269	1,639	274	67,828
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	69,277	456	1,721	249	66,851
February	60,917	377	1,949	163	58,427
March	66,831	438	2,692	223	63,478
April	59,109	391	1,725	162	56,830
May	63,132	91	1,803	81	61,157
June	58,285	266	1,869	254	55,897
July	61,598	295	1,451	129	59,723
August	62,979	339	1,215	221	61,204
Sept	60,896	182	866	256	59,592
October	61,213	344	2,393	185	58,292
November	64,741	433	1,506	179	62,623
December	65,636	464	1,555	241	63,377
Year 2024					
January	63,720	327	1,594	285	61,515
February	56,745	277	1,344	138	54,986
March	62,853	350	1,370	75	61,058
April	61,887	251	1,451	65	60,119
May	61,264	341	1,294	147	59,482
June	56,598	294	1,304	223	54,777
July	59,817	286	1,681	318	57,532
August	63,500	290	1,475	185	61,550
Sept	62,874	322	1,535	233	60,785
Year to Date					
2022	619,474	3,284	15,961	2,503	597,727
2023	563,025	2,835	15,290	1,738	543,161
2024	549,257	2,737	13,047	1,668	531,805
Rolling 12 Months Ending in September					
2023	763,089	4,181	20,909	2,393	735,606
2024	740,847	3,978	18,500	2,273	716,097

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 2023 and prior years are final. Values for 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

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

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

Table 2.7.C. Wood / Wood Waste Biomass: Consumption for Electricity Generation and

Useful Thermal Output, by Sector, 2014-September 2024 (Billion Btus)

Period	Total (all sectors)	Electric Power Sector				
		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	1,143,358	50,986	146,704	4,297	941,370	
2023	1,044,610	42,990	131,082	3,075	867,464	
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	96,104	3,810	11,350	384	80,559	
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	96,249	4,403	12,285	325	79,236	
February	84,233	3,908	10,828	210	69,287	
March	91,304	2,942	12,635	278	75,449	
April	80,449	2,357	9,763	209	68,121	
May	87,540	2,927	11,250	105	73,258	
June	82,577	4,064	11,032	322	67,159	
July	87,677	4,855	11,234	187	71,401	
August	90,005	4,812	11,378	306	73,508	
Sept	84,565	3,492	9,698	338	71,037	
October	81,550	2,537	9,677	246	69,091	
November	87,538	2,954	10,223	235	74,126	
December	90,923	3,740	11,078	315	75,791	
Year 2024						
January	89,110	4,268	11,062	384	73,398	
February	78,452	3,074	9,131	175	66,072	
March	85,409	2,381	10,092	98	72,838	
April	82,952	2,606	8,654	74	71,618	
May	85,134	3,570	9,884	180	71,500	
June	80,131	3,935	9,386	289	66,521	
July	83,416	3,789	9,742	429	69,457	
August	88,169	3,931	10,146	245	73,846	
Sept	85,000	2,748	9,783	315	72,153	
Year to Date						
2022	866,405	38,877	111,615	3,451	712,462	
2023	784,599	33,759	100,104	2,279	648,456	
2024	757,774	30,303	87,880	2,189	637,402	
Rolling 12 Months Ending in September						
2023	1,061,552	45,869	135,194	3,126	877,364	
2024	1,017,785	39,533	118,857	2,984	856,411	

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 2023 and prior years are final. Values for 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

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

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms.

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report.

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023
New England	1	0	388.0%	0	0	1	0	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	1	0	388.0%	0	0	1	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	413	602	-31.0%	0	0	NM	600	0	0	2	1
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	413	602	-31.0%	0	0	NM	600	0	0	2	1
East North Central	6,159	6,663	-7.6%	4,003	4,338	2,135	2,297	1	0	20	27
Illinois	1,409	1,255	12.0%	84	83	1,309	1,150	1	0	15	21
Indiana	1,452	1,753	-17.0%	1,319	1,575	133	178	0	0	0	0
Michigan	1,401	1,200	17.0%	1,396	1,196	5	4	0	0	0	0
Ohio	856	1,128	-24.0%	168	163	688	965	0	0	0	0
Wisconsin	1,042	1,327	-21.0%	1,037	1,321	0	0	0	0	5	6
West North Central	6,616	7,101	-6.8%	6,546	7,038	0	0	0	0	70	62
Iowa	839	894	-6.2%	797	858	0	0	0	0	42	36
Kansas	988	873	13.0%	988	873	0	0	0	0	0	0
Minnesota	512	532	-3.8%	508	528	0	0	0	0	3	4
Missouri	1,859	2,056	-9.6%	1,859	2,056	0	0	0	0	0	0
Nebraska	985	1,052	-6.4%	964	1,034	0	0	0	0	21	18
North Dakota	1,366	1,584	-14.0%	1,362	1,580	0	0	0	0	3	4
South Dakota	68	109	-38.0%	68	109	0	0	0	0	0	0
South Atlantic	3,388	4,075	-17.0%	3,138	3,592	242	474	0	0	8	9
Delaware	0	4	-100.0%	0	0	0	4	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	436	546	-20.0%	436	546	0	0	0	0	0	1
Georgia	732	814	-10.0%	729	813	0	0	0	0	3	2
Maryland	56	153	-63.0%	0	0	56	153	0	0	0	0
North Carolina	324	484	-33.0%	323	483	0	0	0	0	1	0
South Carolina	578	535	8.0%	577	535	0	0	0	0	1	0
Virginia	37	40	-9.0%	33	34	0	0	0	0	4	6
West Virginia	1,226	1,499	-18.0%	1,040	1,182	186	317	0	0	0	0
East South Central	3,603	3,564	1.1%	3,383	3,479	214	78	0	0	6	7
Alabama	909	956	-4.9%	909	956	0	0	0	0	0	0
Kentucky	1,550	1,668	-7.1%	1,550	1,668	0	0	0	0	0	0
Mississippi	328	196	68.0%	113	117	214	78	0	0	0	0
Tennessee	817	744	9.8%	810	737	0	0	0	0	6	7
West South Central	6,248	6,677	-6.4%	2,777	3,168	3,466	3,506	0	0	4	4
Arkansas	887	945	-6.1%	701	807	185	137	0	0	0	0
Louisiana	257	246	4.6%	243	234	14	12	0	0	0	0
Oklahoma	371	306	21.0%	367	303	0	0	0	0	4	3
Texas	4,733	5,181	-8.6%	1,467	1,824	3,267	3,357	0	0	0	0
Mountain	4,893	5,251	-6.8%	4,088	4,530	797	715	0	0	8	6
Arizona	589	646	-8.9%	589	646	0	0	0	0	0	0
Colorado	887	1,011	-12.0%	887	1,011	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	650	621	4.6%	0	0	649	621	0	0	NM	0
Nevada	125	103	22.0%	63	52	62	51	0	0	0	0
New Mexico	442	432	2.3%	442	432	0	0	0	0	0	0
Utah	846	694	22.0%	804	694	42	0	0	0	0	0
Wyoming	1,355	1,743	-22.0%	1,304	1,695	43	43	0	0	8	6
Pacific Contiguous	195	241	-19.0%	0	0	190	236	0	0	5	4
California	5	4	19.0%	0	0	0	0	0	0	5	4
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	190	237	-20.0%	0	0	190	236	0	0	0	1
Pacific Noncontiguous	55	49	12.0%	42	38	9	8	4	4	0	0
Alaska	55	49	12.0%	42	38	9	8	4	4	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	31,572	34,223	-7.7%	23,978	26,184	7,465	7,913	6	5	123	121

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 for 2024 are preliminary. Values for 2023 are final. 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 September 2024 and September 2023 (Thousand Tons)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD
New England	49	56	-11.0%	0	0	49	56	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	6	8	-27.0%	0	0	6	8	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	44	48	-8.8%	0	0	44	48	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	7,570	7,763	-2.5%	0	0	7,557	7,748	0	0	14	15
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	7,570	7,763	-2.5%	0	0	7,557	7,748	0	0	14	15
East North Central	56,971	55,972	1.8%	35,552	35,093	21,219	20,604	7	10	194	266
Illinois	12,811	12,106	5.8%	565	603	12,092	11,280	4	5	150	218
Indiana	15,744	16,011	-1.7%	14,518	14,558	1,224	1,448	2	5	0	0
Michigan	10,434	9,480	10.0%	10,380	9,409	53	70	0	0	1	0
Ohio	9,360	9,312	0.5%	1,511	1,506	7,850	7,806	0	0	0	0
Wisconsin	8,622	9,064	-4.9%	8,579	9,016	0	0	0	0	43	47
West North Central	58,170	62,575	-7.0%	57,545	62,006	0	0	5	4	619	566
Iowa	5,997	7,786	-23.0%	5,628	7,457	0	0	2	3	367	327
Kansas	6,788	8,247	-18.0%	6,788	8,247	0	0	0	0	0	0
Minnesota	5,147	5,345	-3.7%	5,114	5,311	0	0	2	1	30	33
Missouri	17,862	18,211	-1.9%	17,861	18,211	0	0	1	1	0	0
Nebraska	7,358	8,353	-12.0%	7,166	8,176	0	0	0	0	192	176
North Dakota	14,265	13,888	2.7%	14,235	13,858	0	0	0	0	30	30
South Dakota	753	745	1.2%	753	745	0	0	0	0	0	0
South Atlantic	38,362	36,784	4.3%	35,114	32,833	3,174	3,877	4	1	71	73
Delaware	66	10	547.0%	0	0	66	10	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	3,278	4,295	-24.0%	3,275	4,292	0	0	0	0	3	4
Georgia	7,519	6,703	12.0%	7,495	6,684	0	0	0	0	24	19
Maryland	875	724	21.0%	0	0	875	724	0	0	0	0
North Carolina	5,761	4,504	28.0%	5,752	4,491	0	0	4	1	5	12
South Carolina	5,526	5,025	10.0%	5,524	5,006	0	15	0	0	2	4
Virginia	795	678	17.0%	757	642	0	0	0	0	37	35
West Virginia	14,542	14,846	-2.0%	12,309	11,718	2,233	3,128	0	0	0	0
East South Central	34,855	34,184	2.0%	33,266	31,880	1,512	2,244	0	0	77	59
Alabama	8,891	8,806	1.0%	8,891	8,806	0	0	0	0	0	0
Kentucky	16,623	15,621	6.4%	16,623	15,621	0	0	0	0	0	0
Mississippi	2,301	2,988	-23.0%	789	744	1,512	2,244	0	0	0	0
Tennessee	7,041	6,769	4.0%	6,963	6,709	0	0	0	0	77	59
West South Central	47,889	51,661	-7.3%	23,234	24,542	24,634	27,106	0	0	21	14
Arkansas	7,552	7,723	-2.2%	6,242	6,247	1,306	1,472	0	0	4	5
Louisiana	2,177	2,050	6.2%	1,631	1,694	546	356	0	0	0	0
Oklahoma	3,140	2,936	7.0%	3,123	2,927	0	0	0	0	17	9
Texas	35,020	38,953	-10.0%	12,238	13,674	22,782	25,278	0	0	0	0
Mountain	38,472	43,936	-12.0%	32,810	37,438	5,592	6,433	0	0	69	64
Arizona	4,586	5,212	-12.0%	4,586	5,212	0	0	0	0	0	0
Colorado	7,173	8,029	-11.0%	7,173	8,029	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	4,479	5,373	-17.0%	0	0	4,477	5,371	0	0	2	2
Nevada	1,097	905	21.0%	603	470	494	434	0	0	0	0
New Mexico	3,832	3,535	8.4%	3,832	3,535	0	0	0	0	0	0
Utah	5,496	6,068	-9.4%	5,162	5,810	334	257	0	0	0	0
Wyoming	11,808	14,813	-20.0%	11,454	14,381	288	370	0	0	67	62
Pacific Contiguous	1,275	2,098	-39.0%	0	0	1,229	2,056	0	0	47	42
California	42	37	13.0%	0	0	0	0	0	0	42	37
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	1,234	2,061	-40.0%	0	0	1,229	2,056	0	0	5	5
Pacific Noncontiguous	444	438	1.3%	328	316	81	86	35	36	0	0
Alaska	444	438	1.3%	328	316	81	86	35	36	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	284,058	295,467	-3.9%	217,849	224,108	65,046	70,210	51	50	1,112	1,099

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 for 2024 are preliminary. Values for 2023 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923. Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding. Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023
New England	21	49	-57.0%	NM	6	17	40	1	1	1	1
Connecticut	11	12	-11.0%	NM	1	11	11	NM	0	0	0
Maine	1	9	-89.0%	0	0	NM	9	0	0	1	1
Massachusetts	5	18	-72.0%	NM	5	3	13	NM	1	0	0
New Hampshire	2	8	-69.0%	0	0	NM	7	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	0	0	NM	0	0
Vermont	NM	1	NM	NM	1	0	0	0	0	0	0
Middle Atlantic	32	76	-58.0%	7	21	19	49	3	2	3	3
New Jersey	NM	1	NM	0	0	NM	1	NM	0	0	0
New York	23	64	-65.0%	7	21	13	42	NM	1	0	1
Pennsylvania	8	11	-23.0%	NM	0	NM	7	1	1	3	2
East North Central	NM	58	NM	NM	44	21	14	NM	0	1	1
Illinois	4	5	-5.2%	NM	1	3	4	NM	0	0	0
Indiana	11	12	-12.0%	11	12	0	0	0	0	NM	0
Michigan	13	15	-12.0%	NM	15	0	0	NM	0	0	0
Ohio	23	13	79.0%	5	2	18	10	NM	0	0	0
Wisconsin	NM	14	NM	NM	14	0	0	NM	0	NM	0
West North Central	NM	78	NM	NM	78	NM	1	NM	0	0	0
Iowa	NM	13	NM	NM	13	NM	0	0	0	NM	0
Kansas	11	13	-13.0%	11	13	0	0	0	0	0	0
Minnesota	NM	9	NM	NM	8	NM	0	NM	0	0	0
Missouri	38	27	41.0%	38	27	0	0	0	0	0	0
Nebraska	NM	7	NM	NM	7	0	0	0	0	0	0
North Dakota	NM	8	NM	NM	8	0	0	0	0	0	0
South Dakota	NM	3	NM	NM	3	0	0	NM	NM	0	0
South Atlantic	99	134	-26.0%	70	75	18	41	NM	7	10	10
Delaware	NM	3	NM	0	1	NM	1	0	0	0	0
District of Columbia	NM	0	NM	0	0	0	0	NM	0	0	0
Florida	24	21	15.0%	24	20	NM	1	0	0	0	1
Georgia	18	10	89.0%	10	2	NM	1	NM	NM	7	7
Maryland	8	32	-75.0%	NM	0	8	32	NM	0	0	0
North Carolina	9	9	0.2%	7	8	NM	1	NM	0	1	0
South Carolina	12	16	-25.0%	11	16	0	0	0	0	1	0
Virginia	15	27	-43.0%	7	13	8	5	0	7	0	2
West Virginia	11	16	-32.0%	11	16	0	0	0	0	0	0
East South Central	37	21	80.0%	36	18	NM	NM	0	0	1	3
Alabama	3	6	-57.0%	1	3	NM	NM	0	0	1	3
Kentucky	8	5	53.0%	8	5	0	0	0	0	0	0
Mississippi	0	0	62.0%	NM	0	0	0	0	0	0	0
Tennessee	26	9	191.0%	26	9	0	0	0	0	0	0
West South Central	49	34	44.0%	30	18	19	15	NM	0	0	0
Arkansas	5	8	-40.0%	4	7	0	0	0	0	NM	0
Louisiana	NM	3	NM	NM	3	0	0	0	0	0	0
Oklahoma	6	6	-5.1%	5	6	0	0	0	0	0	0
Texas	38	18	111.0%	19	3	19	15	NM	0	0	0
Mountain	NM	83	NM	NM	81	NM	3	NM	0	0	0
Arizona	NM	6	NM	NM	6	0	0	NM	0	0	0
Colorado	NM	48	NM	NM	48	0	0	0	0	0	0
Idaho	0	0	20.0%	0	0	0	0	0	0	0	0
Montana	NM	2	NM	NM	0	NM	2	0	0	0	0
Nevada	1	2	-41.0%	1	1	0	0	0	0	0	0
New Mexico	NM	13	NM	NM	13	0	0	0	0	0	0
Utah	5	4	31.0%	5	4	0	0	0	0	0	0
Wyoming	9	8	11.0%	9	8	0	0	0	0	0	0
Pacific Contiguous	NM	9	NM	NM	6	2	1	3	1	0	1
California	NM	6	NM	NM	5	0	0	3	1	NM	0
Oregon	NM	0	NM	0	0	0	0	NM	0	0	0
Washington	NM	3	NM	NM	1	2	1	0	0	0	1
Pacific Noncontiguous	1,126	1,124	0.2%	952	929	154	175	1	1	19	19
Alaska	119	103	15.0%	113	98	0	0	NM	0	6	5
Hawaii	1,007	1,021	-1.3%	840	831	154	175	1	1	13	14
U.S. Total	1,598	1,666	-4.1%	1,303	1,277	251	339	8	12	36	38

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 for 2024 are preliminary. Values for 2023 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD
New England	543	653	-17.0%	73	52	442	570	18	20	9	11
Connecticut	237	249	-4.8%	6	6	230	239	NM	1	1	2
Maine	57	90	-37.0%	0	0	50	81	0	0	7	9
Massachusetts	182	169	7.2%	58	40	113	121	NM	9	1	0
New Hampshire	42	98	-57.0%	0	0	NM	89	7	8	0	0
Rhode Island	NM	41	NM	0	0	NM	40	NM	1	0	0
Vermont	NM	6	NM	NM	6	0	0	0	0	0	0
Middle Atlantic	1,053	860	23.0%	312	250	675	532	32	45	34	33
New Jersey	30	55	-45.0%	0	0	28	53	NM	2	0	0
New York	838	657	27.0%	311	249	500	368	22	31	5	9
Pennsylvania	185	147	26.0%	1	1	147	111	7	12	29	23
East North Central	656	622	5.5%	454	436	192	177	2	2	7	7
Illinois	43	41	6.5%	11	10	33	30	0	0	0	0
Indiana	136	157	-13.0%	135	141	0	15	1	0	0	1
Michigan	136	126	8.2%	134	123	0	0	0	0	1	2
Ohio	187	154	21.0%	25	20	159	131	0	1	2	3
Wisconsin	NM	144	NM	NM	142	0	1	1	0	3	1
West North Central	1,051	848	24.0%	1,044	841	NM	3	2	2	2	2
Iowa	122	105	16.0%	119	102	3	3	0	NM	NM	0
Kansas	221	119	86.0%	221	119	0	0	0	0	0	0
Minnesota	NM	126	NM	NM	122	NM	1	2	1	2	2
Missouri	395	290	36.0%	395	289	0	0	0	0	0	0
Nebraska	NM	83	NM	NM	83	0	0	0	0	0	0
North Dakota	73	79	-8.3%	73	79	0	0	0	0	0	0
South Dakota	NM	46	NM	NM	46	0	0	NM	NM	0	0
South Atlantic	1,781	1,334	34.0%	1,034	911	570	260	63	51	114	112
Delaware	NM	32	NM	0	2	NM	30	0	0	0	0
District of Columbia	NM	0	NM	0	0	0	0	NM	0	0	0
Florida	296	342	-14.0%	277	317	NM	21	0	0	4	4
Georgia	192	136	41.0%	79	48	NM	6	1	1	89	81
Maryland	363	131	176.0%	3	2	360	129	NM	1	0	NM
North Carolina	258	137	88.0%	210	115	37	8	NM	2	6	12
South Carolina	140	130	7.0%	131	122	2	4	0	0	6	5
Virginia	329	213	54.0%	169	96	94	60	56	47	9	10
West Virginia	165	213	-22.0%	165	209	0	4	0	0	0	0
East South Central	284	315	-9.7%	267	294	NM	NM	0	0	16	20
Alabama	33	34	-1.1%	18	15	NM	NM	0	0	14	19
Kentucky	87	90	-2.5%	87	90	0	0	0	0	0	0
Mississippi	9	8	14.0%	8	7	0	0	0	0	1	1
Tennessee	154	183	-16.0%	154	183	0	0	0	0	0	0
West South Central	652	523	25.0%	368	306	278	213	NM	0	7	4
Arkansas	52	64	-20.0%	43	52	9	12	0	0	NM	0
Louisiana	NM	14	NM	NM	14	0	0	0	0	0	0
Oklahoma	44	35	25.0%	40	33	0	0	0	0	4	3
Texas	534	409	31.0%	263	207	269	201	NM	0	2	2
Mountain	748	698	7.3%	720	678	28	19	NM	0	0	1
Arizona	40	45	-11.0%	40	45	0	0	NM	0	0	0
Colorado	435	392	11.0%	428	391	7	0	0	0	0	1
Idaho	0	0	-6.2%	0	0	0	0	0	0	0	0
Montana	30	13	135.0%	12	0	18	13	0	0	0	0
Nevada	10	12	-18.0%	9	11	2	2	0	0	0	0
New Mexico	NM	117	NM	NM	117	0	0	0	0	0	0
Utah	44	43	0.8%	42	39	1	4	0	0	0	0
Wyoming	67	75	-10.0%	67	75	0	0	0	0	0	0
Pacific Contiguous	145	148	-2.2%	NM	76	30	12	21	17	14	43
California	98	107	-8.5%	48	49	16	4	21	15	12	39
Oregon	NM	0	NM	0	0	0	0	NM	0	0	0
Washington	NM	41	NM	NM	27	14	8	0	1	2	4
Pacific Noncontiguous	9,978	10,136	-1.6%	8,435	8,493	1,356	1,461	10	14	176	167
Alaska	1,375	1,190	16.0%	1,315	1,137	0	0	2	2	59	51
Hawaii	8,602	8,946	-3.8%	7,120	7,356	1,356	1,461	8	13	118	116
U.S. Total	16,891	16,135	4.7%	12,787	12,336	3,575	3,248	149	151	380	400

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 for 2024 are preliminary. Values for 2023 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 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	85	106	-19.0%	60	60	20	40	0	0	5	5
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	65	63	4.1%	60	58	0	0	0	0	5	5
Ohio	20	41	-51.0%	0	0	20	40	0	0	0	0
Wisconsin	0	2	-100.0%	0	2	0	0	0	0	0	0
West North Central	0	0	--	0	0	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	10	30	-67.0%	10	29	0	0	0	0	NM	1
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	10	29	-66.0%	10	29	0	0	0	0	0	0
Georgia	NM	1	NM	0	0	0	0	0	0	NM	1
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	1	88	-99.0%	0	87	0	0	0	0	1	1
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	87	-100.0%	0	87	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	1	1	-11.0%	0	0	0	0	0	0	1	1
Mountain	12	15	-20.0%	0	0	12	15	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	12	15	-20.0%	0	0	12	15	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	0	0	--	0	0	0	0	0	0	0	0
California	0	0	--	0	0	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	108	238	-55.0%	70	175	32	55	0	0	6	8

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Table 2.10.B. Consumption of Petroleum Coke for Electricity Generation by State, by Sector, Year-to-Date through September 2024 and September 2023 (Thousand Tons)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 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	797	802	-0.6%	526	413	229	340	0	0	42	49
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	566	444	28.0%	525	396	0	0	0	0	41	48
Ohio	229	340	-33.0%	0	0	229	340	0	0	0	0
Wisconsin	1	17	-92.0%	1	17	0	0	0	0	0	0
West North Central	1	0	123.0%	0	0	0	0	1	0	0	0
Iowa	1	0	123.0%	0	0	0	0	1	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	232	344	-33.0%	230	332	0	0	0	0	2	12
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	230	332	-31.0%	230	332	0	0	0	0	0	0
Georgia	2	12	-85.0%	0	0	0	0	0	0	2	12
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	34	397	-91.0%	15	377	0	0	0	0	19	20
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	15	377	-96.0%	15	377	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	19	20	-8.0%	0	0	0	0	0	0	19	20
Mountain	115	132	-13.0%	0	0	115	132	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	115	132	-13.0%	0	0	115	132	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	0	0	--	0	0	0	0	0	0	0	0
California	0	0	--	0	0	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,179	1,676	-30.0%	772	1,122	345	472	1	0	62	81

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023
New England	824	912	-9.6%	NM	93	715	801	20	19	0	0
Connecticut	NM	12	NM	0	0	NM	12	0	0	0	0
Maine	NM	33	NM	0	0	NM	33	0	0	0	0
Massachusetts	170	181	-6.1%	0	0	170	181	0	0	0	0
New Hampshire	118	172	-31.0%	0	0	98	153	20	19	0	0
Rhode Island	400	406	-1.4%	0	0	400	406	0	0	0	0
Vermont	NM	108	NM	NM	93	0	16	0	0	0	0
Middle Atlantic	2,608	2,691	-3.1%	0	0	2,480	2,595	NM	29	96	67
New Jersey	374	310	21.0%	0	0	370	308	NM	2	0	0
New York	1,189	1,255	-5.3%	0	0	1,189	1,255	0	0	0	0
Pennsylvania	1,046	1,126	-7.1%	0	0	921	1,032	NM	27	96	67
East North Central	3,192	3,012	6.0%	493	415	2,675	2,564	6	20	18	12
Illinois	558	511	9.1%	190	171	368	340	0	0	0	0
Indiana	368	360	2.0%	303	244	65	116	0	0	0	0
Michigan	1,345	1,232	9.2%	0	0	1,345	1,232	0	0	0	0
Ohio	265	222	19.0%	0	0	265	222	0	0	0	0
Wisconsin	656	686	-4.3%	0	0	632	653	6	20	18	12
West North Central	618	629	-1.7%	190	192	426	436	0	0	NM	1
Iowa	188	191	-1.9%	0	0	188	191	0	0	0	0
Kansas	125	128	-2.0%	0	0	125	128	0	0	0	0
Minnesota	NM	43	NM	NM	3	NM	40	0	0	0	0
Missouri	113	120	-5.2%	NM	43	NM	77	0	0	0	0
Nebraska	150	146	2.9%	150	146	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	NM	1	NM	0	0	0	0	0	0	NM	1
South Atlantic	2,997	2,946	1.7%	251	152	2,693	2,740	NM	14	NM	40
Delaware	102	95	7.5%	0	0	NM	86	0	0	NM	9
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	624	587	6.2%	108	27	516	560	0	0	0	0
Georgia	524	488	7.3%	0	0	524	485	0	0	0	3
Maryland	120	111	8.4%	0	0	120	111	0	0	0	0
North Carolina	626	625	0.2%	0	0	626	625	0	0	0	0
South Carolina	174	154	13.0%	144	126	0	1	0	0	NM	27
Virginia	822	878	-6.5%	0	0	807	864	NM	14	0	0
West Virginia	NM	8	NM	0	0	NM	8	0	0	0	0
East South Central	349	343	1.5%	151	154	197	189	0	0	0	0
Alabama	NM	69	NM	0	0	NM	69	0	0	0	0
Kentucky	176	180	-2.3%	151	154	NM	26	0	0	0	0
Mississippi	NM	12	NM	0	0	NM	12	0	0	0	0
Tennessee	NM	83	NM	0	0	NM	83	0	0	0	0
West South Central	372	398	-6.5%	0	0	372	398	0	0	0	0
Arkansas	NM	48	NM	0	0	NM	48	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	NM	30	NM	0	0	NM	30	0	0	0	0
Texas	292	320	-8.7%	0	0	292	320	0	0	0	0
Mountain	446	549	-19.0%	NM	43	341	440	NM	65	0	0
Arizona	NM	34	NM	0	0	NM	34	0	0	0	0
Colorado	NM	70	NM	0	0	NM	70	0	0	0	0
Idaho	138	127	8.8%	NM	31	NM	50	NM	46	0	0
Montana	NM	12	NM	NM	12	0	0	0	0	0	0
Nevada	119	135	-12.0%	0	0	119	135	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	79	170	-54.0%	0	0	77	151	1	19	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	3,642	3,814	-4.5%	141	138	2,677	2,760	823	915	0	0
California	3,170	3,323	-4.6%	NM	9	2,367	2,427	797	887	0	0
Oregon	399	410	-2.6%	135	129	238	252	NM	29	0	0
Washington	NM	81	NM	0	0	NM	81	0	0	0	0
Pacific Noncontiguous	62	70	-11.0%	0	0	0	0	62	70	0	0
Alaska	62	70	-11.0%	0	0	0	0	62	70	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	15,111	15,364	-1.6%	1,364	1,188	12,577	12,923	1,017	1,132	153	120

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 for 2024 are preliminary. Values for 2023 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923. Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding. Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD
New England	7,472	8,355	-11.0%	801	857	6,524	7,338	147	160	0	0
Connecticut	101	107	-5.2%	0	0	101	107	0	0	0	0
Maine	315	306	2.9%	0	0	315	306	0	0	0	0
Massachusetts	1,539	1,604	-4.0%	0	0	1,539	1,604	0	0	0	0
New Hampshire	1,056	1,576	-33.0%	0	0	909	1,417	147	160	0	0
Rhode Island	3,659	3,758	-2.6%	0	0	3,659	3,758	0	0	0	0
Vermont	801	1,003	-20.0%	801	857	0	146	0	0	0	0
Middle Atlantic	22,500	23,833	-5.6%	0	0	21,410	22,678	217	261	873	894
New Jersey	2,648	2,945	-10.0%	0	0	2,631	2,927	NM	18	0	0
New York	10,579	10,625	-0.4%	0	0	10,579	10,625	0	0	0	0
Pennsylvania	9,274	10,263	-9.6%	0	0	8,201	9,127	201	243	873	894
East North Central	28,410	32,250	-12.0%	4,324	4,499	23,855	27,430	63	172	167	149
Illinois	4,971	5,534	-10.0%	1,616	1,863	3,356	3,671	0	0	0	0
Indiana	3,533	3,574	-1.1%	2,709	2,637	825	938	0	0	0	0
Michigan	11,750	14,102	-17.0%	0	0	11,750	14,102	0	0	0	0
Ohio	2,373	2,611	-9.1%	0	0	2,373	2,611	0	0	0	0
Wisconsin	5,781	6,428	-10.0%	0	0	5,550	6,107	63	172	167	149
West North Central	5,341	5,365	-0.4%	1,637	1,652	3,695	3,703	0	0	NM	9
Iowa	1,561	1,671	-6.6%	0	0	1,561	1,671	0	0	0	0
Kansas	1,116	1,066	4.7%	0	0	1,116	1,066	0	0	0	0
Minnesota	363	349	4.1%	NM	22	343	327	0	0	0	0
Missouri	1,037	998	3.9%	361	358	675	640	0	0	0	0
Nebraska	1,255	1,272	-1.3%	1,255	1,272	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	NM	9	NM	0	0	0	0	0	0	NM	9
South Atlantic	27,538	29,620	-7.0%	2,153	1,815	24,935	27,269	136	154	313	382
Delaware	927	955	-3.0%	0	0	839	863	0	0	88	92
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	5,490	6,054	-9.3%	844	551	4,646	5,503	0	0	0	0
Georgia	4,695	4,895	-4.1%	0	0	4,693	4,880	0	0	2	15
Maryland	1,081	1,117	-3.2%	0	0	1,081	1,116	0	1	0	0
North Carolina	5,803	5,891	-1.5%	0	0	5,803	5,891	0	0	0	0
South Carolina	1,542	1,550	-0.5%	1,309	1,264	NM	11	0	0	224	275
Virginia	7,941	9,079	-13.0%	0	0	7,805	8,926	136	153	0	0
West Virginia	NM	80	NM	0	0	NM	80	0	0	0	0
East South Central	3,127	3,185	-1.8%	1,359	1,446	1,768	1,739	0	0	0	0
Alabama	642	647	-0.8%	0	0	642	647	0	0	0	0
Kentucky	1,581	1,653	-4.3%	1,359	1,446	222	206	0	0	0	0
Mississippi	122	111	10.0%	0	0	122	111	0	0	0	0
Tennessee	781	774	0.9%	0	0	781	774	0	0	0	0
West South Central	3,334	3,733	-11.0%	0	0	3,334	3,733	0	0	0	0
Arkansas	472	454	4.0%	0	0	472	454	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	249	280	-11.0%	0	0	249	280	0	0	0	0
Texas	2,613	2,999	-13.0%	0	0	2,613	2,999	0	0	0	0
Mountain	4,313	5,157	-16.0%	414	405	3,256	4,128	642	624	0	0
Arizona	310	316	-2.0%	0	0	310	316	0	0	0	0
Colorado	575	659	-13.0%	0	0	575	659	0	0	0	0
Idaho	1,215	1,195	1.7%	307	294	391	466	517	435	0	0
Montana	107	111	-3.3%	107	111	0	0	0	0	0	0
Nevada	1,074	1,271	-15.0%	0	0	1,074	1,271	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	1,032	1,606	-36.0%	0	0	906	1,417	126	189	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	32,531	33,492	-2.9%	1,183	1,223	23,908	23,993	7,439	8,277	0	0
California	28,136	29,008	-3.0%	NM	77	20,867	20,908	7,214	8,024	0	0
Oregon	3,740	3,766	-0.7%	1,128	1,146	2,386	2,367	226	253	0	0
Washington	655	718	-8.8%	0	0	655	718	0	0	0	0
Pacific Noncontiguous	591	559	5.7%	0	0	0	0	591	559	0	0
Alaska	591	559	5.7%	0	0	0	0	591	559	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	135,156	145,549	-7.1%	11,871	11,897	112,686	122,011	9,237	10,206	1,362	1,434

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Notes: See Glossary for definitions. Values for 2024 are preliminary. Values for 2023 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.
Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
Source: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report.

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023
New England	237	248	-4.4%	0	0	150	160	87	89	0	0
Connecticut	68	69	-1.3%	0	0	68	69	0	0	0	0
Maine	9	12	-19.0%	0	0	9	9	1	2	0	0
Massachusetts	152	158	-3.7%	0	0	65	72	86	86	0	0
New Hampshire	8	10	-21.0%	0	0	8	10	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	381	401	-4.8%	0	0	158	167	223	233	0	0
New Jersey	97	102	-4.9%	0	0	29	29	68	73	0	0
New York	144	148	-3.1%	0	0	25	26	118	122	0	0
Pennsylvania	141	150	-6.4%	0	0	103	112	37	38	0	0
East North Central	11	12	-10.0%	3	3	0	0	7	9	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	1	1	-19.0%	0	0	0	0	1	1	0	0
Michigan	6	7	-14.0%	0	0	0	0	6	7	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	3	3	3.2%	3	3	0	0	0	0	0	0
West North Central	41	39	5.0%	20	21	21	17	NM	1	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	41	39	5.0%	20	21	21	17	NM	1	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	383	376	1.7%	0	0	214	204	169	172	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	261	261	-0.1%	0	0	166	159	96	102	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	48	45	7.6%	0	0	48	45	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	73	70	5.0%	0	0	0	0	73	70	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	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	23	33	-30.0%	0	0	17	25	6	9	0	0
California	6	17	-63.0%	0	0	0	8	6	9	0	0
Oregon	5	5	8.9%	0	0	5	5	0	0	0	0
Washington	12	12	0.2%	0	0	12	12	0	0	0	0
Pacific Noncontiguous	31	31	0.0%	0	0	0	0	31	31	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	31	31	0.0%	0	0	0	0	31	31	0	0
U.S. Total	1,108	1,140	-2.9%	24	24	560	572	524	544	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 for 2024 are preliminary. Values for 2023 are final. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD
New England	2,199	2,213	-0.6%	0	0	1,416	1,420	783	793	0	0
Connecticut	644	634	1.6%	0	0	644	634	0	0	0	0
Maine	95	119	-21.0%	0	0	66	82	28	37	0	0
Massachusetts	1,380	1,378	0.1%	0	0	625	622	755	756	0	0
New Hampshire	80	82	-1.8%	0	0	80	82	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	3,646	3,576	2.0%	0	0	1,496	1,508	2,150	2,067	0	0
New Jersey	962	938	2.6%	0	0	263	259	699	679	0	0
New York	1,306	1,278	2.2%	0	0	226	224	1,080	1,054	0	0
Pennsylvania	1,378	1,359	1.3%	0	0	1,008	1,025	370	334	0	0
East North Central	123	121	1.3%	28	26	0	0	95	95	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	11	13	-10.0%	0	0	0	0	11	13	0	0
Michigan	83	83	1.1%	0	0	0	0	83	83	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	28	26	7.4%	28	26	0	0	0	0	0	0
West North Central	344	344	0.0%	178	179	166	155	0	9	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	344	344	0.0%	178	179	166	155	0	9	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	3,397	3,515	-3.4%	0	0	1,801	1,891	1,596	1,624	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	2,244	2,363	-5.0%	0	0	1,373	1,491	872	872	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	428	400	7.1%	0	0	428	400	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	725	752	-3.6%	0	0	0	0	725	752	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	4	0	--	0	0	0	0	4	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	4	0	--	0	0	0	0	4	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	254	357	-29.0%	0	0	184	268	70	88	0	0
California	80	198	-60.0%	0	0	10	110	70	88	0	0
Oregon	57	50	14.0%	0	0	57	50	0	0	0	0
Washington	117	109	8.0%	0	0	117	109	0	0	0	0
Pacific Noncontiguous	274	278	-1.6%	0	0	0	0	274	278	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	274	278	-1.6%	0	0	0	0	274	278	0	0
U.S. Total	10,240	10,404	-1.6%	207	206	5,062	5,243	4,971	4,956	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 for 2024 are preliminary. Values for 2023 are final. 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, September 2024 and September 2023 (Billion Btus)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023
New England	2,373	1,975	20.0%	418	53	1,691	1,656	0	1	264	266
Connecticut	NM	319	NM	0	0	NM	319	0	0	0	0
Maine	854	754	13.0%	0	0	590	488	0	0	264	266
Massachusetts	NM	58	NM	0	0	NM	58	0	0	0	0
New Hampshire	660	647	2.0%	0	0	660	647	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	606	199	205.0%	418	53	NM	145	0	1	0	0
Middle Atlantic	207	176	18.0%	0	0	0	2	0	0	207	174
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	72	64	13.0%	0	0	0	0	0	0	72	64
Pennsylvania	135	112	20.0%	0	0	0	2	0	0	135	110
East North Central	1,578	1,588	-0.6%	370	258	830	924	0	0	378	406
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	1,058	1,184	-11.0%	0	0	826	921	0	0	232	263
Ohio	58	40	43.0%	0	0	4	3	0	0	53	37
Wisconsin	462	364	27.0%	370	258	0	0	0	0	92	106
West North Central	471	444	6.0%	NM	25	92	104	82	81	288	234
Iowa	4	6	-43.0%	0	0	0	0	4	6	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	425	400	6.4%	NM	25	92	104	53	52	273	219
Missouri	26	22	16.0%	0	0	0	0	26	22	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	15	NM	0	0	0	0	0	0	NM	15
South Atlantic	8,789	8,971	-2.0%	1,284	1,749	3,059	2,806	0	0	4,446	4,416
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	952	-46.0%	70	515	0	0	0	0	439	437
Georgia	3,937	3,633	8.4%	0	0	2,014	1,652	0	0	1,923	1,980
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	629	640	-1.8%	0	0	262	208	0	0	366	432
South Carolina	1,228	1,202	2.2%	0	0	468	456	0	0	759	745
Virginia	2,486	2,544	-2.3%	1,214	1,234	NM	489	0	0	958	822
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	2,335	2,327	0.4%	0	0	0	0	0	0	2,335	2,327
Alabama	1,523	1,626	-6.3%	0	0	0	0	0	0	1,523	1,626
Kentucky	134	68	96.0%	0	0	0	0	0	0	134	68
Mississippi	519	462	12.0%	0	0	0	0	0	0	519	462
Tennessee	160	170	-6.3%	0	0	0	0	0	0	160	170
West South Central	1,617	2,414	-33.0%	0	727	0	0	0	0	1,617	1,687
Arkansas	335	288	16.0%	0	0	0	0	0	0	335	288
Louisiana	773	920	-16.0%	0	0	0	0	0	0	773	920
Oklahoma	116	36	220.0%	0	0	0	0	0	0	116	36
Texas	394	1,170	-66.0%	0	727	0	0	0	0	394	442
Mountain	398	541	-27.0%	0	0	NM	403	0	0	135	139
Arizona	NM	293	NM	0	0	NM	293	0	0	0	0
Colorado	0	95	-100.0%	0	0	0	95	0	0	0	0
Idaho	123	131	-6.5%	0	0	9	15	0	0	113	116
Montana	22	22	-3.8%	0	0	0	0	0	0	22	22
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	4,357	5,233	-17.0%	NM	498	2,313	2,936	0	0	1,698	1,798
California	3,013	3,603	-16.0%	0	0	2,142	2,701	0	0	870	902
Oregon	543	514	5.5%	0	0	NM	235	0	0	372	279
Washington	801	1,115	-28.0%	NM	498	0	0	0	0	455	617
Pacific Noncontiguous	0	0	-100.0%	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	-100.0%	0	0	0	0	0	0	0	0
U.S. Total	22,125	23,669	-6.5%	2,427	3,310	8,248	8,832	83	82	11,368	11,446

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 for 2024 are preliminary. Values for 2023 are final. 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 - September 2024

Period	Electric Power Sector			Electric Utilities			Independent Power Producers		
	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	133,253	24,402	427	111,749	15,353	421	21,504	9,050	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	92,714	24,410	385	77,005	15,167	360	15,709	9,243	25
February	99,760	24,622	380	82,205	15,413	355	17,554	9,209	24
March	109,041	24,059	534	89,836	15,370	505	19,205	8,689	29
April	119,671	24,068	644	98,769	15,363	598	20,902	8,704	46
May	128,001	23,882	600	105,833	15,175	591	22,168	8,708	9
June	129,404	24,066	533	106,626	15,299	525	22,778	8,767	8
July	123,131	24,065	440	101,818	15,422	434	21,313	8,643	6
August	118,113	23,416	356	97,973	15,018	348	20,140	8,398	8
Sept	118,271	23,469	279	98,243	15,117	273	20,027	8,352	6
October	123,265	23,257	284	102,672	14,998	279	20,593	8,258	5
November	131,208	23,335	369	109,778	14,910	356	21,430	8,425	13
December	133,253	24,402	427	111,749	15,353	421	21,504	9,050	7
Year 2024, End of Month Stocks									
January	124,175	23,807	312	104,633	14,954	306	19,542	8,852	6
February	129,330	23,784	308	108,265	14,870	300	21,065	8,914	8
March	135,677	23,606	333	112,765	14,776	328	22,912	8,830	5
April	139,008	23,151	309	115,410	14,575	302	23,598	8,575	7
May	139,985	23,064	312	116,605	14,448	306	23,379	8,617	6
June	135,366	23,176	322	112,482	14,517	317	22,884	8,658	5
July	127,493	22,798	384	105,992	14,279	379	21,501	8,520	6
August	121,857	22,197	390	101,136	13,913	384	20,721	8,283	6
Sept	122,752	22,814	444	101,413	14,119	439	21,339	8,695	5

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

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	September 2024	September 2023	Percentage Change	September 2024	September 2023	Percentage Change	September 2024	September 2023	Percentage Change
New England	W	W	W	2,420	2,071	16.8%	0	0	--
Connecticut	0	0	--	563	664	-15.2%	0	0	--
Maine	0	0	--	233	242	-4.1%	0	0	--
Massachusetts	0	0	--	1,287	878	46.6%	0	0	--
New Hampshire	W	W	W	196	140	40.4%	0	0	--
Rhode Island	0	0	--	115	120	-4.4%	0	0	--
Vermont	0	0	--	26	27	-3.2%	0	0	--
Middle Atlantic	2,105	2,130	-1.2%	4,506	4,658	-3.3%	0	0	--
New Jersey	0	0	--	502	446	12.6%	0	0	--
New York	0	0	--	2,701	2,979	-9.3%	0	0	--
Pennsylvania	2,105	2,130	-1.2%	1,303	1,233	5.7%	0	0	--
East North Central	25,337	24,387	3.9%	949	1,478	-35.7%	W	W	W
Illinois	6,110	4,330	41.1%	96	81	17.8%	0	0	--
Indiana	8,806	9,092	-3.1%	95	118	-19.1%	0	0	--
Michigan	3,944	3,647	8.1%	165	195	-15.2%	W	W	W
Ohio	3,512	4,315	-18.6%	451	403	12.0%	0	0	--
Wisconsin	2,964	3,003	-1.3%	142	680	-79.2%	W	W	W
West North Central	24,679	23,588	4.6%	1,389	949	46.3%	0	0	--
Iowa	4,994	3,979	25.5%	82	96	-14.9%	0	0	--
Kansas	5,128	4,596	11.6%	156	198	-20.9%	0	0	--
Minnesota	2,584	2,668	-3.2%	111	109	2.4%	0	0	--
Missouri	6,998	7,291	-4.0%	454	384	18.4%	0	0	--
Nebraska	3,046	3,118	-2.3%	71	76	-6.0%	0	0	--
North Dakota	W	W	W	34	34	0.7%	0	0	--
South Dakota	W	W	W	480	54	791.9%	0	0	--
South Atlantic	18,804	18,546	1.4%	9,244	9,233	0.1%	W	W	W
Delaware	W	W	W	490	386	26.9%	0	0	--
District of Columbia	0	0	--	0	0	--	0	0	--
Florida	1,613	2,035	-20.8%	3,726	3,784	-1.5%	W	W	W
Georgia	W	W	W	1,165	1,152	1.2%	0	0	--
Maryland	W	595	W	607	652	-6.9%	0	0	--
North Carolina	4,019	3,226	24.6%	1,123	1,134	-1.0%	0	0	--
South Carolina	2,259	2,207	2.4%	546	545	0.1%	0	0	--
Virginia	W	W	W	1,431	1,426	0.3%	0	0	--
West Virginia	6,166	5,933	3.9%	156	154	1.1%	W	W	W
East South Central	W	11,084	W	1,024	1,115	-8.1%	0	0	--
Alabama	3,472	3,291	5.5%	250	250	0.0%	0	0	--
Kentucky	5,247	6,129	-14.4%	277	271	2.0%	0	0	--
Mississippi	W	W	W	6	4	50.6%	0	0	--
Tennessee	W	W	W	492	590	-16.7%	0	0	--
West South Central	23,759	23,443	1.3%	1,797	2,000	-10.2%	W	W	W
Arkansas	3,605	4,034	-10.6%	151	155	-3.1%	0	0	--
Louisiana	4,230	3,956	6.9%	169	185	-8.5%	W	W	W
Oklahoma	3,624	3,871	-6.4%	25	23	11.1%	0	0	--
Texas	12,300	11,582	6.2%	1,451	1,637	-11.3%	0	0	--
Mountain	W	14,060	W	280	318	-11.8%	W	W	W
Arizona	3,225	3,704	-12.9%	103	121	-14.7%	0	0	--
Colorado	W	3,506	W	109	110	-1.1%	0	0	--
Idaho	0	0	--	0	0	46.6%	0	0	--
Montana	W	W	W	14	14	2.1%	W	W	W
Nevada	W	W	W	1	1	3.3%	0	0	--
New Mexico	0	0	--	3	4	-29.0%	0	0	--
Utah	4,130	2,373	74.0%	21	31	-32.5%	0	0	--
Wyoming	4,506	W	W	29	37	-20.6%	0	0	--
Pacific Contiguous	W	W	W	328	342	-4.1%	0	0	--
California	0	0	--	154	179	-13.7%	0	0	--
Oregon	0	0	--	68	58	17.9%	0	0	--
Washington	W	W	W	106	106	0.0%	0	0	--
Pacific Noncontiguous	0	W	W	876	1,305	-32.8%	0	0	--
Alaska	0	W	W	8	83	-90.9%	0	0	--
Hawaii	0	0	--	869	1,222	-28.9%	0	0	--
U.S. Total	122,752	118,271	3.8%	22,814	23,469	-2.8%	444	279	59.2%

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

NM = Not meaningful due to large relative standard error or excessive percentage change.

Notes: See Glossary for definitions. Values for 2024 are preliminary. Values for 2023 are final. 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 Division, September 2024 and 2023**

Census Division	Electric Power Sector			Electric Utilities		Independent Power Producers	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023
Coal (Thousand Tons)							
New England	W	W	W	0	0	W	W
Middle Atlantic	2,105	2,130	-1.2%	W	W	W	W
East North Central	25,337	24,387	3.9%	17,131	16,326	8,205	8,061
West North Central	24,679	23,588	4.6%	24,679	23,588	0	0
South Atlantic	18,804	18,546	1.4%	17,995	17,400	809	1,146
East South Central	W	11,084	W	W	11,084	W	0
West South Central	23,759	23,443	1.3%	14,917	16,255	8,843	7,188
Mountain	W	14,060	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	122,752	118,271	3.8%	101,413	98,243	21,339	20,027
Petroleum Liquids (Thousand Barrels)							
New England	2,420	2,071	16.8%	198	162	2,222	1,909
Middle Atlantic	4,506	4,658	-3.3%	1,857	1,964	2,649	2,694
East North Central	949	1,478	-35.7%	547	1,145	402	333
West North Central	1,389	949	46.3%	1,363	924	26	26
South Atlantic	9,244	9,233	0.1%	7,133	7,161	2,111	2,072
East South Central	1,024	1,115	-8.1%	986	1,076	38	39
West South Central	1,797	2,000	-10.2%	676	863	1,121	1,138
Mountain	280	318	-11.8%	254	293	26	25
Pacific Contiguous	328	342	-4.1%	254	256	74	86
Pacific Noncontiguous	876	1,305	-32.8%	850	1,273	26	31
U.S. Total	22,814	23,469	-2.8%	14,119	15,117	8,695	8,352
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	444	279	59.2%	439	273	5	6

W = Withheld to avoid disclosure of individual company data.

Notes: See Glossary for definitions. Values for 2024 are preliminary. Values for 2023 are final. 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 - September 2024
(Thousand Tons)**

Period	Electric Power Sector			
	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	46,574	83,013	3,439	133,253
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	37,880	51,812	3,014	92,714
February	40,066	56,667	3,022	99,760
March	41,614	64,432	2,991	109,041
April	43,353	72,772	3,330	119,671
May	46,598	77,685	3,500	128,001
June	47,911	77,671	3,601	129,404
July	44,256	75,155	3,499	123,131
August	42,345	72,129	3,424	118,113
Sept	42,659	72,147	3,247	118,271
October	44,914	74,948	3,184	123,265
November	46,999	80,588	3,393	131,208
December	46,574	83,013	3,439	133,253
Year 2024, End of Month Stocks				
January	42,843	77,877	3,220	124,175
February	44,561	81,410	3,124	129,330
March	47,263	84,944	3,232	135,677
April	48,596	86,791	3,388	139,008
May	49,172	87,263	3,311	139,985
June	46,885	84,864	3,374	135,366
July	43,853	80,144	3,252	127,493
August	42,104	76,233	3,273	121,857
Sept	42,588	76,735	3,183	122,752

Notes: See Glossary for definitions.

Values for 2023 and prior years are final. Values for 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 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2014 - September 2024 (continued)

Period	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption	Receipts		Average Cost		Percentage of Consumption	Average Cost
	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)			(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)		(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	--	--	--	--	5,602,375	5,414,698	6.95	7.20	95.5	5.50
2023	0	0	--	--	--	--	6,038,310	5,836,072	2.82	2.92	96.1	2.75
Year 2022												
January	0	0	--	--	--	--	440,567	425,442	6.15	6.38	95.6	4.92
February	0	0	--	--	--	--	375,891	363,057	5.88	6.09	94.2	4.62
March	0	0	--	--	--	--	359,407	347,490	4.96	5.14	95.0	3.87
April	0	0	--	--	--	--	344,208	332,882	6.22	6.44	95.5	4.66
May	0	0	--	--	--	--	428,890	414,929	7.60	7.86	96.4	5.80
June	0	0	--	--	--	--	513,920	497,609	7.55	7.81	96.1	6.03
July	0	0	--	--	--	--	644,066	623,293	7.29	7.54	96.2	6.04
August	0	0	--	--	--	--	645,276	623,863	8.56	8.86	95.5	6.95
Sept	0	0	--	--	--	--	538,145	519,483	7.58	7.86	95.8	6.04
October	0	0	--	--	--	--	446,464	431,379	5.29	5.48	95.5	4.32
November	0	0	--	--	--	--	407,043	393,319	5.35	5.54	94.1	4.44
December	0	0	--	--	--	--	458,497	441,951	9.26	9.61	95.4	7.27
Year 2023												
January	0	0	--	--	--	--	446,640	430,815	5.37	5.57	96.0	4.57
February	0	0	--	--	--	--	407,924	394,009	3.92	4.06	96.3	3.50
March	0	0	--	--	--	--	428,537	414,070	2.95	3.06	95.6	2.81
April	0	0	--	--	--	--	393,827	380,548	2.28	2.36	95.7	2.35
May	0	0	--	--	--	--	444,722	430,350	2.12	2.19	97.1	2.23
June	0	0	--	--	--	--	542,599	524,807	2.17	2.24	96.5	2.24
July	0	0	--	--	--	--	691,161	668,245	2.67	2.76	96.1	2.63
August	0	0	--	--	--	--	677,647	655,199	2.46	2.55	96.3	2.48
Sept	0	0	--	--	--	--	571,702	553,460	2.35	2.43	96.5	2.39
October	0	0	--	--	--	--	483,231	467,338	2.42	2.51	96.6	2.47
November	0	0	--	--	--	--	469,276	453,150	2.94	3.05	96.3	2.85
December	0	0	--	--	--	--	481,043	464,082	2.76	2.86	94.1	2.70
Year 2024												
January	0	0	--	--	--	--	503,103	485,542	4.88	5.06	90.0	4.30
February	0	0	--	--	--	--	402,023	387,715	2.32	2.40	90.2	2.31
March	0	0	--	--	--	--	392,214	378,587	1.84	1.91	89.2	1.96
April	0	0	--	--	--	--	367,496	355,264	1.69	1.75	88.2	1.84
May	0	0	--	--	--	--	425,800	412,142	1.92	1.98	88.8	2.05
June	0	0	--	--	--	--	510,436	493,720	2.23	2.31	87.6	2.28
July	0	0	--	--	--	--	623,312	602,321	2.07	2.15	86.7	2.14
August	0	0	--	--	--	--	609,117	588,385	1.87	1.93	87.1	1.99
Sept	0	0	--	--	--	--	517,579	500,365	2.04	2.11	89.2	2.12
Year to Date												
2022	0	0	--	--	--	--	4,290,371	4,148,049	7.04	7.28	95.7	5.55
2023	0	0	--	--	--	--	4,604,760	4,451,502	2.85	2.95	96.2	2.77
2024	0	0	--	--	--	--	4,351,081	4,204,042	2.33	2.41	88.4	2.35
Rolling 12 Months Ending in September												
2023	0	0	--	--	--	--	5,916,764	5,718,151	3.70	3.84	96.0	3.39
2024	0	0	--	--	--	--	5,784,632	5,588,612	2.43	2.52	90.1	2.43

Displayed values of zero may represent small values that round to zero.

NM = Not meaningful due to large relative standard error or excessive percentage change.

W = Withheld to avoid disclosure of individual company data.

Notes:

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

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

NATURAL GAS - includes natural gas only. Prior to 2011, includes Other Gases.

- Values for 2023 and prior years are final. Values for 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 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 2014 - September 2024

Period	Coal						Petroleum Liquids					
	Receipts		Average Cost				Receipts		Average Cost			
	(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	--	--	--	--
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	--	--	--	--
February	19	1	3.95	90.65	3.00	1.5	0	0	--	--	--	--
March	0	0	--	--	--	0.0	0	0	--	--	--	--
April	0	0	--	--	--	0.0	0	0	--	--	--	--
May	0	0	--	--	--	0.0	0	0	--	--	--	--
June	0	0	--	--	--	--	0	0	--	--	--	--
July	0	0	--	--	--	--	0	0	--	--	--	--
August	0	0	--	--	--	--	0	0	--	--	--	--
Sept	106	5	4.28	97.46	3.05	10.0	0	0	--	--	--	--
October	54	2	4.28	97.11	3.24	5.2	0	0	--	--	--	--
November	0	0	--	--	--	0.0	0	0	--	--	--	--
December	15	1	4.28	96.94	3.02	1.1	0	0	--	--	--	--
Year 2023												
January	21	1	4.28	96.60	3.06	1.8	0	0	--	--	--	--
February	22	1	4.28	97.20	3.12	2.1	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	7.0	0	0	--	--	--	--
February	43	2	4.28	96.51	3.06	4.9	0	0	--	--	--	--
March	0	0	--	--	--	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	0	0	--	--	--	--
Sept	0	0	--	--	--	0.0	0	0	--	--	--	--
Year to Date												
2022	199	9	4.13	94.10	3.04	2.3	0	0	--	--	--	--
2023	43	2	4.28	96.90	3.09	0.6	0	0	--	--	--	--
2024	128	6	4.28	96.74	3.06	1.9	0	0	--	--	--	--
Rolling 12 Months Ending in September												
2023	111	5	4.28	97.01	3.15	1.1	0	0	--	--	--	--
2024	151	7	4.28	96.77	3.12	1.7	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:

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

COAL - includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal-derived synthesis gas. Prior to 2011, synthesis gas was included in the category of Other Gases.

PETROLEUM LIQUIDS - includes distillate fuel oil and residual fuel oil. Prior to 2013, petroleum liquids included distillate fuel oil, residual fuel oil, kerosene, jet fuel, waste oil, and, beginning in 2011, propane. Prior to 2011, propane was included in the category of Other Gases.

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- See 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 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commerical Sector, 2014 - September 2024 (continued)

Period	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption	Receipts		Average Cost		Percentage of Consumption	Average Cost
(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)	(Billion Btu)			(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)	(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	6.3	3.07
2021	0	0	--	--	--	0.0	8,869	8,528	3.42	3.56	7.3	3.41
2022	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	6.6	3.05
Year 2022												
January	0	0	--	--	--	--	759	731	3.29	3.42	6.5	3.35
February	0	0	--	--	--	--	711	683	3.32	3.45	6.8	3.33
March	0	0	--	--	--	--	712	687	3.30	3.42	6.8	3.30
April	0	0	--	--	--	--	786	758	4.35	4.51	8.2	4.35
May	0	0	--	--	--	--	686	661	4.13	4.29	7.0	4.13
June	0	0	--	--	--	--	628	603	3.89	4.05	6.1	3.89
July	0	0	--	--	--	--	693	668	3.86	4.00	5.7	3.86
August	0	0	--	--	--	--	732	703	4.86	5.06	5.9	4.86
Sept	0	0	--	--	--	--	766	738	4.56	4.73	7.3	4.53
October	0	0	--	--	--	--	657	634	3.98	4.12	7.0	4.00
November	0	0	--	--	--	--	656	636	3.18	3.28	6.7	3.18
December	0	0	--	--	--	--	850	821	3.73	3.86	7.5	3.74
Year 2023												
January	0	0	--	--	--	--	707	682	3.11	3.22	6.6	3.14
February	0	0	--	--	--	--	707	683	3.01	3.11	7.2	3.05
March	0	0	--	--	--	--	680	655	3.05	3.17	6.7	3.05
April	0	0	--	--	--	--	720	700	2.89	2.97	8.0	2.89
May	0	0	--	--	--	--	748	726	2.84	2.92	8.1	2.84
June	0	0	--	--	--	--	617	598	2.89	2.99	6.2	2.89
July	0	0	--	--	--	--	629	607	3.07	3.18	5.4	3.07
August	0	0	--	--	--	--	670	646	3.09	3.21	6.0	3.09
Sept	0	0	--	--	--	--	619	597	3.10	3.21	5.9	3.10
October	0	0	--	--	--	--	685	664	3.03	3.13	7.0	3.03
November	0	0	--	--	--	--	687	664	3.19	3.31	6.8	3.19
December	0	0	--	--	--	--	661	638	3.27	3.38	6.0	3.30
Year 2024												
January	0	0	--	--	--	--	715	686	3.29	3.43	6.1	3.40
February	0	0	--	--	--	--	666	641	3.29	3.42	6.3	3.35
March	0	0	--	--	--	--	572	552	3.18	3.29	5.3	3.18
April	0	0	--	--	--	--	648	629	3.14	3.24	7.3	3.14
May	0	0	--	--	--	--	577	554	3.18	3.31	6.3	3.18
June	0	0	--	--	--	--	486	469	3.10	3.21	4.9	3.10
July	0	0	--	--	--	--	652	629	3.31	3.42	6.1	3.31
August	0	0	--	--	--	--	764	733	3.26	3.40	7.0	3.26
Sept	0	0	--	--	--	--	618	595	3.42	3.56	6.3	3.42
Year to Date												
2022	0	0	--	--	--	--	6,473	6,231	3.96	4.11	6.6	3.96
2023	0	0	--	--	--	--	6,096	5,894	3.00	3.11	6.6	3.01
2024	0	0	--	--	--	--	5,698	5,490	3.25	3.37	6.2	3.27
Rolling 12 Months Ending in September												
2023	0	0	--	--	--	--	8,259	7,985	3.17	3.28	6.7	3.18
2024	0	0	--	--	--	--	7,732	7,456	3.22	3.34	6.3	3.24

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

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

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

Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2014 - September 2024 (continued)

Period	Petroleum Coke						Natural Gas					All Fossil Fuels
	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption	Receipts		Average Cost		Percentage of Consumption	Average Cost
	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)			(Billion Btu)	(Thousand Mcf)	(Dollars per MMBtu)	(Dollars per Mcf)		(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	--	--	--	--	819,270	796,511	2.96	3.05	57.1	3.04
Year 2022												
January	0	0	--	--	--	--	76,455	74,275	4.68	4.82	59.9	4.42
February	0	0	--	--	--	--	65,784	63,860	5.74	5.91	59.0	5.34
March	0	0	--	--	--	--	71,461	69,559	4.69	4.82	60.3	4.39
April	0	0	--	--	--	--	67,470	65,714	5.97	6.13	60.8	5.55
May	0	0	--	--	--	--	67,025	65,283	7.68	7.89	58.9	6.90
June	0	0	--	--	--	--	68,964	67,264	8.29	8.50	60.1	7.47
July	0	0	--	--	--	--	72,749	70,916	6.93	7.11	58.8	6.33
August	0	0	--	--	--	--	73,848	72,011	8.69	8.91	59.1	7.94
Sept	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	--	--	--	--	69,498	67,553	5.11	5.26	58.9	4.92
December	0	0	--	--	--	--	70,500	68,450	6.26	6.45	58.4	5.81
Year 2023												
January	0	0	--	--	--	--	71,716	69,675	5.00	5.14	58.3	4.78
February	0	0	--	--	--	--	64,329	62,549	3.21	3.31	58.2	3.36
March	0	0	--	--	--	--	69,643	67,835	2.75	2.82	57.9	2.94
April	0	0	--	--	--	--	63,498	61,740	2.31	2.38	58.5	2.55
May	0	0	--	--	--	--	66,713	64,886	2.36	2.43	57.7	2.56
June	0	0	--	--	--	--	66,989	65,355	2.48	2.54	56.0	2.54
July	0	0	--	--	--	--	67,515	65,565	2.84	2.93	54.0	2.87
August	0	0	--	--	--	--	68,641	66,678	2.82	2.90	54.9	2.88
Sept	0	0	--	--	--	--	67,506	65,578	2.80	2.88	55.9	2.93
October	0	0	--	--	--	--	67,344	65,433	2.86	2.94	57.5	2.96
November	0	0	--	--	--	--	70,348	68,333	3.08	3.18	58.3	3.12
December	0	0	--	--	--	--	75,027	72,883	2.86	2.95	58.0	2.92
Year 2024												
January	0	0	--	--	--	--	72,977	70,824	3.61	3.72	53.9	3.57
February	0	0	--	--	--	--	63,201	61,384	2.58	2.66	53.9	2.70
March	0	0	--	--	--	--	64,810	63,040	1.82	1.87	54.8	2.05
April	0	0	--	--	--	--	65,018	63,309	1.94	1.99	56.2	2.07
May	0	0	--	--	--	--	64,149	62,385	1.97	2.03	55.2	2.11
June	0	0	--	--	--	--	62,267	60,508	2.51	2.58	55.1	2.60
July	0	0	--	--	--	--	65,470	63,640	2.46	2.53	54.5	2.56
August	0	0	--	--	--	--	67,738	65,841	2.07	2.13	54.6	2.21
Sept	0	0	--	--	--	--	64,542	62,775	2.21	2.28	55.6	2.33
Year to Date												
2022	0	0	--	--	--	--	629,808	613,188	6.76	6.95	59.4	6.20
2023	0	0	--	--	--	--	606,551	589,862	2.97	3.05	56.8	3.06
2024	0	0	--	--	--	--	590,172	573,704	2.37	2.44	54.8	2.48
Rolling 12 Months Ending in September												
2023	82	3	4.46	124.88	5.99	0.5	812,170	789,537	3.67	3.77	57.1	3.66
2024	0	0	--	--	--	--	802,891	780,353	2.52	2.59	55.6	2.62

Displayed values of zero may represent small values that round to zero.

NM = Not meaningful due to large relative standard error or excessive percentage change.

W = Withheld to avoid disclosure of individual company data.

Notes:

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

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

NATURAL GAS - includes natural gas only. Prior to 2011, includes Other Gases.

- Values for 2023 and prior years are final. Values for 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 4.6.A. Receipts of Coal Delivered for Electricity Generation by State, September 2024 and 2023
(Thousand Tons)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023
New England	5	1	387.0%	0	0	5	1	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	5	1	387.0%	0	0	5	1	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	386	293	32.0%	0	0	376	293	0	0	11	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	386	293	32.0%	0	0	376	293	0	0	11	0
East North Central	6,463	7,176	-9.9%	3,800	4,333	2,555	2,729	0	0	108	114
Illinois	2,144	1,965	9.1%	502	233	1,533	1,618	0	0	108	114
Indiana	1,011	1,915	-47.0%	855	1,714	156	201	0	0	0	0
Michigan	1,302	887	47.0%	1,302	887	0	0	0	0	0	0
Ohio	1,057	1,109	-4.7%	191	199	866	910	0	0	0	0
Wisconsin	950	1,300	-27.0%	950	1,300	0	0	0	0	0	0
West North Central	7,132	7,156	-0.3%	6,887	6,965	0	0	0	0	245	191
Iowa	957	1,042	-8.2%	760	884	0	0	0	0	197	158
Kansas	1,232	1,008	22.0%	1,232	1,008	0	0	0	0	0	0
Minnesota	522	444	18.0%	522	444	0	0	0	0	0	0
Missouri	2,145	1,963	9.3%	2,145	1,963	0	0	0	0	0	0
Nebraska	770	1,009	-24.0%	723	976	0	0	0	0	47	33
North Dakota	1,426	1,579	-9.7%	1,426	1,579	0	0	0	0	0	0
South Dakota	79	111	-29.0%	79	111	0	0	0	0	0	0
South Atlantic	3,511	4,401	-20.0%	3,277	4,075	199	286	0	0	34	41
Delaware	0	24	-100.0%	0	0	0	24	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	279	592	-53.0%	279	582	0	0	0	0	0	10
Georgia	738	975	-24.0%	726	967	0	0	0	0	12	8
Maryland	66	119	-45.0%	0	0	66	119	0	0	0	0
North Carolina	428	597	-28.0%	428	597	0	0	0	0	0	0
South Carolina	577	475	21.0%	569	468	0	0	0	0	7	8
Virginia	81	76	6.9%	66	61	0	0	0	0	15	15
West Virginia	1,341	1,543	-13.0%	1,208	1,400	133	143	0	0	0	0
East South Central	3,350	3,594	-6.8%	3,317	3,470	0	78	0	0	33	46
Alabama	879	1,135	-23.0%	879	1,135	0	0	0	0	0	0
Kentucky	1,901	1,965	-3.3%	1,901	1,965	0	0	0	0	0	0
Mississippi	95	174	-45.0%	95	96	0	78	0	0	0	0
Tennessee	475	319	49.0%	442	273	0	0	0	0	33	46
West South Central	5,629	6,837	-18.0%	2,303	3,438	3,322	3,396	0	0	3	3
Arkansas	734	970	-24.0%	539	788	192	180	0	0	3	3
Louisiana	320	292	9.5%	193	228	126	64	0	0	0	0
Oklahoma	313	681	-54.0%	313	681	0	0	0	0	0	0
Texas	4,262	4,894	-13.0%	1,258	1,741	3,004	3,153	0	0	0	0
Mountain	4,978	5,413	-8.0%	4,256	4,750	722	663	0	0	0	0
Arizona	533	709	-25.0%	533	709	0	0	0	0	0	0
Colorado	1,042	1,191	-13.0%	1,042	1,191	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	577	602	-4.1%	0	0	577	602	0	0	0	0
Nevada	161	86	88.0%	102	67	59	18	0	0	0	0
New Mexico	442	432	2.3%	442	432	0	0	0	0	0	0
Utah	824	535	54.0%	782	535	42	0	0	0	0	0
Wyoming	1,398	1,858	-25.0%	1,355	1,814	43	43	0	0	0	0
Pacific Contiguous	137	218	-37.0%	0	0	93	182	0	0	44	36
California	44	36	23.0%	0	0	0	0	0	0	44	36
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	93	182	-49.0%	0	0	93	182	0	0	0	0
Pacific Noncontiguous	39	35	11.0%	39	35	0	0	0	0	0	0
Alaska	39	35	11.0%	39	35	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	31,630	35,126	-10.0%	23,880	27,065	7,272	7,629	0	0	478	431

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 for 2023 are final. Values for 2024 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) September 2024 and 2023
(Thousand Tons)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD
New England	32	95	-66.0%	0	0	32	95	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	32	41	-21.0%	0	0	32	41	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	54	-100.0%	0	0	0	54	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	4,796	6,188	-23.0%	0	0	4,722	6,110	0	0	74	78
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	4,796	6,188	-23.0%	0	0	4,722	6,110	0	0	74	78
East North Central	55,109	64,854	-15.0%	33,666	39,655	20,413	23,974	0	0	1,031	1,226
Illinois	15,504	17,179	-9.8%	2,639	3,245	11,834	12,708	0	0	1,031	1,226
Indiana	12,701	16,677	-24.0%	11,477	14,958	1,225	1,720	0	0	0	0
Michigan	10,501	10,142	3.5%	10,501	10,053	0	89	0	0	0	0
Ohio	8,955	11,525	-22.0%	1,601	2,068	7,355	9,457	0	0	0	0
Wisconsin	7,448	9,331	-20.0%	7,448	9,331	0	0	0	0	0	0
West North Central	57,835	71,686	-19.0%	55,773	69,672	0	0	6	2	2,056	2,012
Iowa	7,327	9,890	-26.0%	5,712	8,328	0	0	0	0	1,616	1,562
Kansas	6,831	9,519	-28.0%	6,831	9,519	0	0	0	0	0	0
Minnesota	4,847	6,213	-22.0%	4,847	6,213	0	0	0	0	0	0
Missouri	16,214	20,902	-22.0%	16,208	20,900	0	0	6	2	0	0
Nebraska	6,691	9,240	-28.0%	6,250	8,790	0	0	0	0	441	450
North Dakota	15,196	15,126	0.5%	15,196	15,126	0	0	0	0	0	0
South Dakota	729	796	-8.4%	729	796	0	0	0	0	0	0
South Atlantic	34,098	39,878	-14.0%	31,618	35,555	2,231	3,973	0	0	248	349
Delaware	0	72	-100.0%	0	0	0	72	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2,811	4,788	-41.0%	2,791	4,758	0	0	0	0	20	30
Georgia	6,316	7,608	-17.0%	6,223	7,514	0	0	0	0	93	95
Maryland	468	815	-43.0%	0	0	468	815	0	0	0	0
North Carolina	5,174	4,005	29.0%	5,174	3,927	0	0	0	0	0	77
South Carolina	5,240	5,645	-7.2%	5,218	5,527	0	88	0	0	22	30
Virginia	775	863	-10.0%	661	746	0	0	0	0	114	117
West Virginia	13,314	16,082	-17.0%	11,550	13,083	1,763	2,998	0	0	0	0
East South Central	32,750	36,561	-10.0%	30,902	33,878	1,298	2,244	0	0	551	439
Alabama	8,149	10,300	-21.0%	8,149	10,300	0	0	0	0	0	0
Kentucky	19,361	20,748	-6.7%	19,361	20,748	0	0	0	0	0	0
Mississippi	2,140	3,018	-29.0%	843	773	1,298	2,244	0	0	0	0
Tennessee	3,100	2,495	24.0%	2,549	2,056	0	0	0	0	551	439
West South Central	44,665	57,779	-23.0%	18,667	28,362	25,953	29,248	0	0	45	170
Arkansas	6,453	8,167	-21.0%	5,356	6,606	1,068	1,521	0	0	30	41
Louisiana	2,610	4,164	-37.0%	1,408	2,142	1,202	2,022	0	0	0	0
Oklahoma	1,683	4,252	-60.0%	1,668	4,123	0	0	0	0	15	129
Texas	33,919	41,196	-18.0%	10,236	15,491	23,683	25,705	0	0	0	0
Mountain	39,192	45,776	-14.0%	34,105	39,428	5,087	6,348	0	0	0	0
Arizona	4,530	6,540	-31.0%	4,530	6,540	0	0	0	0	0	0
Colorado	6,702	9,619	-30.0%	6,702	9,619	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	4,011	5,213	-23.0%	0	0	4,011	5,213	0	0	0	0
Nevada	1,311	1,040	26.0%	841	534	470	507	0	0	0	0
New Mexico	3,832	3,006	27.0%	3,832	3,006	0	0	0	0	0	0
Utah	7,213	5,394	34.0%	6,894	5,137	318	257	0	0	0	0
Wyoming	11,594	14,964	-23.0%	11,306	14,593	288	370	0	0	0	0
Pacific Contiguous	1,664	2,279	-27.0%	0	0	1,237	1,896	0	0	427	383
California	427	383	11.0%	0	0	0	0	0	0	427	383
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	1,237	1,896	-35.0%	0	0	1,237	1,896	0	0	0	0
Pacific Noncontiguous	298	288	3.4%	298	288	0	0	0	0	0	0
Alaska	298	288	3.4%	298	288	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	270,440	325,385	-17.0%	205,030	246,838	60,972	73,888	6	2	4,432	4,657

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NM = Not meaningful due to large relative standard error or excessive percentage change.

W = Withheld to avoid disclosure of individual company data.

Notes:

See Glossary for definitions. Values for 2023 are final. Values for 2024 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 4.7.A. Receipts of Petroleum Liquids Delivered for Electricity Generation by State, September 2024 and 2023
(Thousand Barrels)

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023
New England	0	5	-99.0%	0	0	0	5	0	0	0	0
Connecticut	0	1	-100.0%	0	0	0	1	0	0	0	0
Maine	0	4	-99.0%	0	0	0	4	0	0	0	0
Massachusetts	0	0	-100.0%	0	0	0	0	0	0	0	0
New Hampshire	0	0	--	0	0	0	0	0	0	0	0
Rhode Island	0	0	-100.0%	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	9	193	-95.0%	0	133	4	53	0	0	5	7
New Jersey	1	2	-17.0%	0	0	1	2	0	0	0	0
New York	0	153	-100.0%	0	133	0	20	0	0	0	0
Pennsylvania	8	37	-79.0%	0	0	3	31	0	0	5	6
East North Central	42	66	-37.0%	33	27	3	34	0	0	5	6
Illinois	3	8	-56.0%	0	2	3	6	0	0	0	0
Indiana	17	18	-2.6%	17	18	0	0	0	0	0	0
Michigan	12	8	58.0%	10	6	0	0	0	0	2	2
Ohio	4	33	-87.0%	2	1	0	28	0	0	3	4
Wisconsin	4	0	--	4	0	0	0	0	0	0	0
West North Central	43	64	-32.0%	43	64	0	0	0	0	0	0
Iowa	11	12	-1.3%	11	12	0	0	0	0	0	0
Kansas	8	7	15.0%	8	7	0	0	0	0	0	0
Minnesota	3	10	-74.0%	3	10	0	0	0	0	0	0
Missouri	15	28	-49.0%	15	28	0	0	0	0	0	0
Nebraska	0	1	-100.0%	0	1	0	0	0	0	0	0
North Dakota	7	4	79.0%	7	4	0	0	0	0	0	0
South Dakota	0	2	-100.0%	0	2	0	0	0	0	0	0
South Atlantic	103	119	-14.0%	47	71	37	35	0	0	19	12
Delaware	0	1	-33.0%	0	0	0	1	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	15	28	-47.0%	12	26	0	0	0	0	3	2
Georgia	16	11	42.0%	7	5	0	0	0	0	9	6
Maryland	33	31	4.9%	0	0	33	31	0	0	0	0
North Carolina	3	4	-17.0%	3	4	0	0	0	0	0	0
South Carolina	14	8	74.0%	9	8	0	0	0	0	5	0
Virginia	10	18	-44.0%	4	9	4	3	0	0	2	5
West Virginia	12	19	-36.0%	12	19	0	0	0	0	0	0
East South Central	6	13	-52.0%	6	13	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	6	10	-45.0%	6	10	0	0	0	0	0	0
Mississippi	0	0	-100.0%	0	0	0	0	0	0	0	0
Tennessee	1	3	-75.0%	1	2	0	0	0	0	0	0
West South Central	31	32	-1.3%	23	10	8	22	0	0	0	0
Arkansas	2	10	-80.0%	0	7	2	2	0	0	0	0
Louisiana	5	0	NM	5	0	0	0	0	0	0	0
Oklahoma	14	0	--	14	0	0	0	0	0	0	0
Texas	10	22	-55.0%	4	2	6	20	0	0	0	0
Mountain	9	16	-43.0%	8	15	1	1	0	0	0	0
Arizona	0	8	-100.0%	0	8	0	0	0	0	0	0
Colorado	2	0	--	2	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	1	1	1.2%	0	0	1	1	0	0	0	0
Nevada	0	2	-74.0%	0	1	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	2	0	476.0%	2	0	0	0	0	0	0	0
Wyoming	5	6	-17.0%	5	6	0	0	0	0	0	0
Pacific Contiguous	2	1	100.0%	0	0	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	2	1	100.0%	0	0	2	1	0	0	0	0
Pacific Noncontiguous	747	835	-11.0%	579	659	167	176	0	0	0	0
Alaska	0	1	-79.0%	0	1	0	0	0	0	0	0
Hawaii	746	833	-10.0%	579	657	167	176	0	0	0	0
U.S. Total	993	1,344	-26.0%	741	992	222	327	0	0	29	25

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 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) September 2024 and 2023
(Thousand Barrels)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD
New England	119	604	-80.0%	0	7	119	597	0	0	0	0
Connecticut	34	71	-52.0%	0	0	34	71	0	0	0	0
Maine	24	186	-87.0%	0	0	24	186	0	0	0	0
Massachusetts	5	228	-98.0%	0	7	5	221	0	0	0	0
New Hampshire	56	66	-15.0%	0	0	56	66	0	0	0	0
Rhode Island	0	52	-100.0%	0	0	0	52	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	213	1,347	-84.0%	48	589	120	710	0	0	44	48
New Jersey	3	24	-89.0%	0	0	3	24	0	0	0	0
New York	111	1,029	-89.0%	48	589	63	440	0	0	0	0
Pennsylvania	99	294	-66.0%	0	0	55	246	0	0	44	48
East North Central	491	662	-26.0%	259	405	193	215	0	0	39	42
Illinois	42	55	-23.0%	2	15	40	39	0	0	0	0
Indiana	121	144	-16.0%	121	144	0	0	0	0	0	0
Michigan	112	198	-43.0%	101	177	0	0	0	0	11	21
Ohio	198	254	-22.0%	16	57	153	176	0	0	28	21
Wisconsin	18	12	50.0%	18	12	0	0	0	0	0	0
West North Central	499	734	-32.0%	499	734	0	1	0	0	0	0
Iowa	81	80	1.6%	81	80	0	0	0	0	0	0
Kansas	131	113	16.0%	131	113	0	0	0	0	0	0
Minnesota	17	121	-86.0%	17	120	0	1	0	0	0	0
Missouri	183	317	-42.0%	183	317	0	0	0	0	0	0
Nebraska	9	18	-48.0%	9	18	0	0	0	0	0	0
North Dakota	71	75	-4.4%	71	75	0	0	0	0	0	0
South Dakota	6	11	-44.0%	6	11	0	0	0	0	0	0
South Atlantic	1,202	2,382	-50.0%	629	1,753	401	356	0	0	172	272
Delaware	13	8	51.0%	0	0	13	8	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	150	662	-77.0%	131	587	0	55	0	0	19	19
Georgia	162	346	-53.0%	55	224	2	6	0	0	105	116
Maryland	336	177	90.0%	0	0	336	177	0	0	0	0
North Carolina	105	340	-69.0%	105	257	0	0	0	0	0	82
South Carolina	118	178	-34.0%	99	142	0	12	0	0	19	24
Virginia	170	430	-60.0%	92	327	50	73	0	0	28	30
West Virginia	148	241	-39.0%	148	216	0	25	0	0	0	0
East South Central	117	454	-74.0%	115	449	0	0	0	0	2	4
Alabama	8	39	-79.0%	8	39	0	0	0	0	0	0
Kentucky	82	144	-43.0%	82	144	0	0	0	0	0	0
Mississippi	9	5	82.0%	9	5	0	0	0	0	0	0
Tennessee	19	266	-93.0%	16	262	0	0	0	0	2	4
West South Central	186	368	-49.0%	135	114	51	253	0	0	0	0
Arkansas	39	67	-41.0%	26	51	14	16	0	0	0	0
Louisiana	8	7	7.7%	8	7	0	0	0	0	0	0
Oklahoma	32	19	69.0%	32	19	0	0	0	0	0	0
Texas	106	274	-61.0%	69	37	37	237	0	0	0	0
Mountain	151	170	-11.0%	130	155	22	15	0	0	0	0
Arizona	28	39	-29.0%	28	39	0	0	0	0	0	0
Colorado	10	15	-35.0%	10	15	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	31	9	259.0%	12	0	20	9	0	0	0	0
Nevada	9	11	-21.0%	8	9	1	2	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	27	28	-5.8%	25	24	1	4	0	0	0	0
Wyoming	47	68	-30.0%	47	68	0	0	0	0	0	0
Pacific Contiguous	24	39	-38.0%	13	32	11	7	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	24	39	-38.0%	13	32	11	7	0	0	0	0
Pacific Noncontiguous	6,903	7,090	-2.6%	5,416	5,695	1,487	1,395	0	0	0	0
Alaska	8	14	-42.0%	8	14	0	0	0	0	0	0
Hawaii	6,895	7,076	-2.6%	5,408	5,681	1,487	1,395	0	0	0	0
U.S. Total	9,907	13,850	-28.0%	7,245	9,933	2,406	3,550	0	0	257	367

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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, September 2024 and 2023
(Thousand Tons)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 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	55	77	-29.0%	55	77	0	0	0	0	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	55	76	-28.0%	55	76	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	0	1	-100.0%	0	1	0	0	0	0	0	0
West North Central	0	0	--	0	0	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	0	0	--	0	0	0	0	0	0	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	55	41	35.0%	55	41	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	55	41	35.0%	55	41	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	15	0	--	15	0	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	15	0	--	15	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	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	125	118	5.7%	125	118	0	0	0	0	0	0

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

Petroleum Coke includes petroleum coke-derived synthesis gas.

See the Technical Notes for fuel conversion factors.

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 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	473	459	3.0%	473	459	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	469	442	6.2%	469	442	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	3	17	-81.0%	3	17	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	229	337	-32.0%	229	337	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	229	337	-32.0%	229	337	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	109	295	-63.0%	109	295	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	109	295	-63.0%	109	295	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	811	1,091	-26.0%	811	1,091	0	0	0	0	0	0

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

Petroleum Coke includes petroleum coke-derived synthesis gas.

See the Technical Notes for fuel conversion factors.

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

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

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023
New England	W	W	W	--	--	W	W
Connecticut	--	--	--	--	--	--	--
Maine	W	W	W	--	--	W	W
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.98	2.38	25.0%	--	--	2.98	2.38
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	2.98	2.38	25.0%	--	--	2.98	2.38
East North Central	2.25	2.56	-12.0%	2.38	2.73	2.06	2.31
Illinois	W	W	W	1.79	2.22	W	W
Indiana	W	W	W	2.76	3.07	W	W
Michigan	2.31	2.61	-11.0%	2.31	2.61	--	--
Ohio	2.45	2.79	-12.0%	2.85	2.76	2.36	2.80
Wisconsin	2.23	2.33	-4.3%	2.23	2.33	--	--
West North Central	1.81	1.82	-0.5%	1.81	1.82	--	--
Iowa	1.92	1.69	14.0%	1.92	1.69	--	--
Kansas	1.60	1.68	-4.8%	1.60	1.68	--	--
Minnesota	2.27	2.34	-3.0%	2.27	2.34	--	--
Missouri	1.88	1.91	-1.6%	1.88	1.91	--	--
Nebraska	1.27	1.29	-1.6%	1.27	1.29	--	--
North Dakota	1.94	2.06	-5.8%	1.94	2.06	--	--
South Dakota	2.34	2.19	6.8%	2.34	2.19	--	--
South Atlantic	3.51	3.60	-2.5%	3.57	3.62	2.68	3.29
Delaware	--	W	W	--	--	--	W
District of Columbia	--	--	--	--	--	--	--
Florida	3.55	3.54	0.3%	3.55	3.54	--	--
Georgia	4.26	4.28	-0.5%	4.26	4.28	--	--
Maryland	W	W	W	--	--	W	W
North Carolina	4.66	4.73	-1.5%	4.66	4.73	--	--
South Carolina	3.31	3.15	5.1%	3.31	3.15	--	--
Virginia	4.77	6.05	-21.0%	4.77	6.05	--	--
West Virginia	W	2.79	W	2.92	2.87	W	1.84
East South Central	2.50	W	W	2.50	2.75	--	W
Alabama	2.60	3.00	-13.0%	2.60	3.00	--	--
Kentucky	2.35	2.49	-5.6%	2.35	2.49	--	--
Mississippi	3.14	W	W	3.14	3.48	--	W
Tennessee	2.87	3.62	-21.0%	2.87	3.62	--	--
West South Central	2.15	2.12	1.4%	2.08	2.18	2.20	2.07
Arkansas	W	W	W	1.93	2.13	W	W
Louisiana	W	W	W	2.88	3.04	W	W
Oklahoma	2.22	2.23	-0.4%	2.22	2.23	--	--
Texas	W	W	W	1.96	2.05	W	W
Mountain	W	W	W	2.64	2.44	W	W
Arizona	3.43	3.05	12.0%	3.43	3.05	--	--
Colorado	2.02	2.29	-12.0%	2.02	2.29	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	4.13	6.57	W	W
New Mexico	3.69	3.63	1.7%	3.69	3.63	--	--
Utah	3.47	2.45	42.0%	3.47	2.45	--	--
Wyoming	W	W	W	1.71	1.82	W	W
Pacific Contiguous	W	W	W	--	--	W	W
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	4.35	4.62	-5.8%	4.35	4.62	--	--
Alaska	4.35	4.62	-5.8%	4.35	4.62	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.42	2.51	-3.6%	2.48	2.59	2.20	2.24

Displayed values of zero may represent small values that round to zero.
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Notes:
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 See Technical Notes for a discussion of the sample design for the Form EIA-923.
 Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.
 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) September 2024 and 2023
(Dollars per MMBtu)**

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 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	2.32	2.45	-5.3%	--	--	2.32	2.45
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	2.32	2.45	-5.3%	--	--	2.32	2.45
East North Central	2.43	2.53	-4.0%	2.61	2.68	2.14	2.28
Illinois	W	W	W	2.01	2.05	W	W
Indiana	W	W	W	2.89	3.00	W	W
Michigan	2.57	W	W	2.57	2.54	--	W
Ohio	2.60	2.59	0.4%	2.75	2.61	2.56	2.59
Wisconsin	2.32	2.47	-6.1%	2.32	2.47	--	--
West North Central	1.80	1.83	-1.6%	1.80	1.83	--	--
Iowa	1.96	1.79	9.5%	1.96	1.79	--	--
Kansas	1.62	1.71	-5.3%	1.62	1.71	--	--
Minnesota	2.29	2.39	-4.2%	2.29	2.39	--	--
Missouri	1.82	1.91	-4.7%	1.82	1.91	--	--
Nebraska	1.28	1.34	-4.5%	1.28	1.34	--	--
North Dakota	1.85	1.87	-1.1%	1.85	1.87	--	--
South Dakota	2.36	2.24	5.4%	2.36	2.24	--	--
South Atlantic	3.45	3.57	-3.4%	3.52	3.66	2.50	2.74
Delaware	--	W	W	--	--	--	W
District of Columbia	--	--	--	--	--	--	--
Florida	3.64	3.39	7.4%	3.64	3.39	--	--
Georgia	4.13	4.56	-9.4%	4.13	4.56	--	--
Maryland	W	W	W	--	--	W	W
North Carolina	4.49	4.60	-2.4%	4.49	4.60	--	--
South Carolina	3.27	W	W	3.27	3.68	--	W
Virginia	4.61	5.24	-12.0%	4.61	5.24	--	--
West Virginia	W	2.83	W	2.87	2.98	W	2.13
East South Central	W	W	W	2.58	2.75	W	W
Alabama	2.70	3.04	-11.0%	2.70	3.04	--	--
Kentucky	2.43	2.53	-4.0%	2.43	2.53	--	--
Mississippi	W	W	W	3.82	4.24	W	W
Tennessee	3.08	3.41	-9.7%	3.08	3.41	--	--
West South Central	2.10	2.17	-3.2%	2.07	2.20	2.12	2.13
Arkansas	W	W	W	2.01	2.17	W	W
Louisiana	W	W	W	2.72	2.94	W	W
Oklahoma	2.20	2.24	-1.8%	2.20	2.24	--	--
Texas	W	W	W	1.99	2.09	W	W
Mountain	W	W	W	2.73	2.35	W	W
Arizona	3.22	3.05	5.6%	3.22	3.05	--	--
Colorado	2.07	2.08	-0.5%	2.07	2.08	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	4.44	5.21	W	W
New Mexico	3.67	3.57	2.8%	3.67	3.57	--	--
Utah	3.61	2.50	44.0%	3.61	2.50	--	--
Wyoming	W	W	W	1.79	1.76	W	W
Pacific Contiguous	W	W	W	--	--	W	W
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	4.54	4.62	-1.7%	4.54	4.62	--	--
Alaska	4.54	4.62	-1.7%	4.54	4.62	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.49	2.50	-0.4%	2.57	2.56	2.18	2.28

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 See Technical Notes for a discussion of the sample design for the Form EIA-923.
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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, September 2024 and 2023
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023
New England	W	W	W	--	15.92	W	W
Connecticut	--	W	W	--	--	--	W
Maine	W	W	W	--	--	W	W
Massachusetts	--	W	W	--	15.92	--	W
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	W	W	--	--	--	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	W	26.79	W	--	26.18	W	29.26
New Jersey	W	37.26	W	--	--	W	37.26
New York	--	W	W	--	26.18	--	W
Pennsylvania	W	W	W	--	--	W	W
East North Central	W	23.38	W	16.32	23.70	W	23.12
Illinois	W	26.66	W	--	27.06	W	26.48
Indiana	16.36	23.85	-31.0%	16.36	23.85	--	--
Michigan	16.06	22.03	-27.0%	16.06	22.03	--	--
Ohio	19.29	22.64	-15.0%	19.29	24.86	--	22.58
Wisconsin	15.66	--	--	15.66	--	--	--
West North Central	17.51	W	W	17.51	24.65	--	W
Iowa	17.71	24.93	-29.0%	17.71	24.93	--	--
Kansas	17.65	23.96	-26.0%	17.65	23.96	--	--
Minnesota	16.98	W	W	16.98	23.27	--	W
Missouri	17.00	24.74	-31.0%	17.00	24.74	--	--
Nebraska	--	25.32	--	--	25.32	--	--
North Dakota	18.29	26.26	-30.0%	18.29	26.26	--	--
South Dakota	--	26.93	--	--	26.93	--	--
South Atlantic	16.78	23.50	-29.0%	17.32	23.87	16.10	22.75
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	16.88	24.68	-32.0%	16.88	24.68	--	--
Georgia	17.89	28.06	-36.0%	17.89	28.06	--	--
Maryland	W	W	W	--	--	W	W
North Carolina	17.09	25.16	-32.0%	17.09	25.16	--	--
South Carolina	16.57	24.82	-33.0%	16.57	24.82	--	--
Virginia	W	W	W	19.43	19.80	W	W
West Virginia	17.34	22.88	-24.0%	17.34	22.88	--	--
East South Central	17.00	24.06	-29.0%	17.00	24.06	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	17.15	24.06	-29.0%	17.15	24.06	--	--
Mississippi	--	24.89	--	--	24.89	--	--
Tennessee	15.68	23.96	-35.0%	15.68	23.96	--	--
West South Central	16.97	25.51	-33.0%	16.89	23.31	17.20	26.47
Arkansas	W	W	W	--	23.29	W	W
Louisiana	15.74	21.68	-27.0%	15.74	21.68	--	--
Oklahoma	17.70	--	--	17.70	--	--	--
Texas	W	W	W	15.34	23.80	W	W
Mountain	W	W	W	19.39	22.90	W	W
Arizona	--	19.18	--	--	19.18	--	--
Colorado	19.57	--	--	19.57	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	19.79	W	W	19.79	23.25	--	W
New Mexico	--	--	--	--	--	--	--
Utah	19.85	34.59	-43.0%	19.85	34.59	--	--
Wyoming	19.12	27.53	-31.0%	19.12	27.53	--	--
Pacific Contiguous	W	W	W	--	--	W	W
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	17.14	21.70	W	W
Alaska	20.53	33.25	-38.0%	20.53	33.25	--	--
Hawaii	W	W	W	17.14	21.67	W	W
U.S. Total	17.30	22.96	-25.0%	17.15	22.75	17.80	23.62

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

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

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

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD
New England	17.79	W	W	--	19.11	17.79	W
Connecticut	W	24.73	W	--	--	W	24.73
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	19.11	W	W
New Hampshire	W	W	W	--	--	W	W
Rhode Island	--	W	W	--	--	--	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	17.76	19.33	-8.1%	18.29	17.54	17.52	21.27
New Jersey	W	23.02	W	--	--	W	23.02
New York	W	18.44	W	18.29	17.54	W	19.80
Pennsylvania	W	25.38	W	--	--	W	25.38
East North Central	18.69	20.17	-7.3%	18.39	19.82	19.08	20.87
Illinois	19.81	23.65	-16.0%	19.68	23.99	19.82	23.48
Indiana	18.51	21.35	-13.0%	18.51	21.35	--	--
Michigan	18.21	17.11	6.4%	18.21	17.11	--	--
Ohio	18.93	21.17	-11.0%	19.44	23.50	18.88	20.42
Wisconsin	17.51	19.88	-12.0%	17.51	19.88	--	--
West North Central	18.79	W	W	18.79	21.68	--	W
Iowa	18.71	22.02	-15.0%	18.71	22.02	--	--
Kansas	18.94	20.87	-9.2%	18.94	20.87	--	--
Minnesota	18.07	W	W	18.07	20.26	--	W
Missouri	18.51	22.39	-17.0%	18.51	22.39	--	--
Nebraska	17.78	21.69	-18.0%	17.78	21.69	--	--
North Dakota	19.67	21.51	-8.6%	19.67	21.51	--	--
South Dakota	18.04	23.95	-25.0%	18.04	23.95	--	--
South Atlantic	18.57	22.33	-17.0%	19.33	22.08	17.40	23.67
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	20.05	W	W	20.05	21.50	--	W
Georgia	20.58	24.54	-16.0%	20.58	24.54	--	--
Maryland	W	21.38	W	--	--	W	21.38
North Carolina	18.91	24.62	-23.0%	18.91	24.62	--	--
South Carolina	19.21	W	W	19.21	22.61	--	W
Virginia	W	W	W	19.83	19.39	W	W
West Virginia	18.33	W	W	18.33	21.83	--	W
East South Central	18.88	21.75	-13.0%	18.88	21.75	--	--
Alabama	19.78	23.55	-16.0%	19.78	23.55	--	--
Kentucky	18.94	22.66	-16.0%	18.94	22.66	--	--
Mississippi	19.04	21.78	-13.0%	19.04	21.78	--	--
Tennessee	18.04	20.98	-14.0%	18.04	20.98	--	--
West South Central	17.97	21.75	-17.0%	17.47	21.22	19.34	22.00
Arkansas	W	W	W	18.10	21.70	W	W
Louisiana	16.87	18.40	-8.3%	16.87	18.40	--	--
Oklahoma	17.79	23.21	-23.0%	17.79	23.21	--	--
Texas	W	W	W	17.14	20.07	W	W
Mountain	W	24.78	W	20.85	24.67	W	25.90
Arizona	22.62	24.09	-6.1%	22.62	24.09	--	--
Colorado	21.44	27.41	-22.0%	21.44	27.41	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	20.32	--	W	W
Nevada	W	W	W	23.55	25.55	W	W
New Mexico	--	--	--	--	--	--	--
Utah	W	W	W	20.24	24.68	W	W
Wyoming	19.72	24.29	-19.0%	19.72	24.29	--	--
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	18.63	19.57	W	W
Alaska	22.10	25.55	-14.0%	22.10	25.55	--	--
Hawaii	W	W	W	18.63	19.56	W	W
U.S. Total	18.84	20.27	-7.1%	18.72	20.24	19.20	20.35

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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, September 2024 and 2023
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	2.62	2.92	-10.0%	2.62	2.92	--	--
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	2.62	2.88	-9.0%	2.62	2.88	--	--
Ohio	--	--	--	--	--	--	--
Wisconsin	--	5.37	--	--	5.37	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	3.57	5.29	-33.0%	3.57	5.29	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	3.57	5.29	-33.0%	3.57	5.29	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	--	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	3.03	--	--	3.03	--	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	3.03	--	--	3.03	--	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--
Mountain	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	3.09	3.76	-18.0%	3.09	3.76	--	--

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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) September 2024 and 2023
(Dollars per MMBtu)**

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	2.63	2.96	-11.0%	2.63	2.96	--	--
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	2.63	2.88	-8.7%	2.63	2.88	--	--
Ohio	--	--	--	--	--	--	--
Wisconsin	2.36	5.15	-54.0%	2.36	5.15	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	3.64	5.37	-32.0%	3.64	5.37	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	3.64	5.37	-32.0%	3.64	5.37	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	--	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	3.34	4.74	-30.0%	3.34	4.74	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	3.34	4.74	-30.0%	3.34	4.74	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--
Mountain	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	3.02	4.21	-28.0%	3.02	4.21	--	--

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 for 2023 are final. Values for 2024 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, September 2024 and 2023
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	September 2024	September 2023	Percentage Change	September 2024	September 2023	September 2024	September 2023
New England	W	W	W	--	1.10	W	W
Connecticut	1.91	2.25	-15.0%	--	--	1.91	2.25
Maine	--	W	W	--	--	--	W
Massachusetts	2.03	1.72	18.0%	--	1.10	2.03	1.72
New Hampshire	W	W	W	--	--	W	W
Rhode Island	W	1.59	W	--	--	W	1.59
Vermont	--	--	--	--	--	--	--
Middle Atlantic	1.78	1.72	3.5%	1.79	1.96	1.78	1.70
New Jersey	1.62	1.72	-5.8%	--	--	1.62	1.72
New York	2.06	1.96	5.1%	1.79	1.96	2.16	1.96
Pennsylvania	1.67	1.59	5.0%	--	--	1.67	1.59
East North Central	2.12	2.50	-15.0%	2.35	3.05	1.97	2.18
Illinois	2.02	2.47	-18.0%	2.19	2.87	2.00	2.42
Indiana	2.28	3.31	-31.0%	2.43	4.18	2.12	2.52
Michigan	2.29	2.53	-9.5%	2.51	2.62	2.07	2.42
Ohio	1.90	1.96	-3.1%	1.90	2.11	1.90	1.94
Wisconsin	2.31	3.38	-32.0%	2.31	3.38	--	--
West North Central	W	3.21	W	2.46	3.29	W	2.56
Iowa	2.44	3.05	-20.0%	2.44	3.05	--	--
Kansas	2.23	2.86	-22.0%	2.23	2.86	--	--
Minnesota	W	W	W	3.01	5.07	W	W
Missouri	W	W	W	2.10	2.50	W	W
Nebraska	2.93	3.58	-18.0%	2.93	3.58	--	--
North Dakota	3.16	2.59	22.0%	3.16	2.59	--	--
South Dakota	2.15	3.33	-35.0%	2.15	3.33	--	--
South Atlantic	3.07	3.56	-14.0%	3.19	3.68	2.20	2.77
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	3.83	W	3.19	3.84	W	3.41
Georgia	W	W	W	2.71	3.00	W	W
Maryland	W	3.15	W	2.42	2.57	W	3.27
North Carolina	W	4.13	W	4.10	4.37	W	2.85
South Carolina	3.24	3.79	-15.0%	3.24	3.79	--	--
Virginia	2.23	2.57	-13.0%	2.39	2.88	1.84	1.80
West Virginia	W	W	W	1.72	1.65	W	W
East South Central	2.47	2.86	-14.0%	2.45	2.83	2.55	2.99
Alabama	W	W	W	2.64	3.18	W	W
Kentucky	W	W	W	2.69	3.03	W	W
Mississippi	2.33	W	W	2.33	2.70	--	W
Tennessee	2.19	2.56	-14.0%	2.19	2.56	--	--
West South Central	2.15	2.73	-21.0%	2.20	2.79	2.10	2.68
Arkansas	W	W	W	2.39	2.65	W	W
Louisiana	W	W	W	2.62	2.90	W	W
Oklahoma	W	W	W	2.42	2.74	W	W
Texas	2.02	2.72	-26.0%	1.76	2.78	2.11	2.69
Mountain	1.71	W	W	1.68	3.28	2.10	W
Arizona	W	W	W	1.48	3.15	W	W
Colorado	W	W	W	2.25	3.21	W	W
Idaho	1.85	3.13	-41.0%	1.85	3.13	--	--
Montana	0.37	W	W	0.37	2.46	--	W
Nevada	2.26	3.70	-39.0%	2.26	3.70	--	--
New Mexico	0.15	2.47	-94.0%	0.15	2.47	--	--
Utah	2.06	3.77	-45.0%	2.06	3.77	--	--
Wyoming	W	W	W	1.63	3.46	W	W
Pacific Contiguous	2.74	3.70	-26.0%	2.93	3.92	2.55	3.39
California	W	4.40	W	3.46	5.21	W	3.61
Oregon	W	W	W	1.44	2.51	W	W
Washington	W	W	W	2.54	3.36	W	W
Pacific Noncontiguous	8.21	7.48	9.8%	8.21	7.48	--	--
Alaska	8.21	7.48	9.8%	8.21	7.48	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.38	2.88	-17.0%	2.62	3.28	2.04	2.35

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Notes:
 See Glossary for definitions. Values for 2023 are final. Values for 2024 are preliminary.
 See Technical Notes for a discussion of the sample design for the Form EIA-923.
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Source: U.S. Energy Information Administration, Form EIA-923, "Power Plant Operations Report."

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

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	September 2024 YTD	September 2023 YTD	Percentage Change	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD
New England	W	W	W	19.62	7.41	W	W
Connecticut	2.71	3.95	-31.0%	--	--	2.71	3.95
Maine	W	W	W	--	--	W	W
Massachusetts	5.62	7.55	-26.0%	19.62	7.41	5.62	7.55
New Hampshire	W	W	W	--	--	W	W
Rhode Island	W	2.99	W	--	--	W	2.99
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.15	2.34	-8.1%	2.45	3.21	2.12	2.27
New Jersey	2.27	2.08	9.1%	--	--	2.27	2.08
New York	2.56	2.98	-14.0%	2.45	3.21	2.60	2.89
Pennsylvania	1.92	2.10	-8.6%	--	--	1.92	2.10
East North Central	2.29	2.69	-15.0%	2.52	3.16	2.14	2.38
Illinois	2.29	2.55	-10.0%	1.98	2.88	2.34	2.52
Indiana	2.45	2.93	-16.0%	2.76	3.14	2.14	2.68
Michigan	2.26	2.70	-16.0%	2.39	2.82	2.12	2.55
Ohio	2.11	2.24	-5.8%	2.30	2.51	2.08	2.20
Wisconsin	2.66	3.91	-32.0%	2.66	3.91	--	--
West North Central	W	W	W	2.61	3.41	W	W
Iowa	2.42	3.05	-21.0%	2.42	3.05	--	--
Kansas	2.63	3.01	-13.0%	2.63	3.01	--	--
Minnesota	W	W	W	2.86	5.01	W	W
Missouri	W	W	W	2.54	2.86	W	W
Nebraska	3.27	3.21	1.9%	3.27	3.21	--	--
North Dakota	3.01	2.79	7.9%	3.01	2.79	--	--
South Dakota	2.30	3.31	-31.0%	2.30	3.31	--	--
South Atlantic	3.45	3.82	-9.7%	3.57	3.97	2.58	2.80
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	3.95	W	3.51	3.96	W	3.48
Georgia	W	W	W	2.91	3.02	W	W
Maryland	W	2.79	W	2.78	2.43	W	2.93
North Carolina	W	5.00	W	4.79	5.40	W	2.71
South Carolina	3.60	3.99	-9.8%	3.60	3.99	--	--
Virginia	2.76	3.27	-16.0%	3.01	3.64	2.07	2.19
West Virginia	W	W	W	2.52	1.96	W	W
East South Central	2.65	2.90	-8.6%	2.63	2.93	2.76	2.79
Alabama	W	W	W	2.74	3.16	W	W
Kentucky	W	W	W	3.04	3.44	W	W
Mississippi	W	W	W	2.47	2.73	W	W
Tennessee	2.52	2.83	-11.0%	2.52	2.83	--	--
West South Central	2.23	2.65	-16.0%	2.36	2.77	2.11	2.54
Arkansas	W	W	W	2.51	2.71	W	W
Louisiana	W	W	W	2.59	2.78	W	W
Oklahoma	W	W	W	2.61	2.95	W	W
Texas	2.08	2.60	-20.0%	1.97	2.71	2.11	2.56
Mountain	2.36	5.59	-58.0%	2.34	5.65	2.57	4.98
Arizona	W	W	W	2.08	4.46	W	W
Colorado	W	W	W	2.60	4.02	W	W
Idaho	2.77	7.17	-61.0%	2.77	7.17	--	--
Montana	1.40	W	W	1.40	2.45	--	W
Nevada	2.84	8.16	-65.0%	2.84	8.16	--	--
New Mexico	0.87	2.72	-68.0%	0.87	2.72	--	--
Utah	3.08	8.85	-65.0%	3.08	8.85	--	--
Wyoming	W	W	W	2.31	7.96	W	W
Pacific Contiguous	3.43	7.10	-52.0%	3.64	7.57	3.18	6.47
California	3.79	W	W	4.16	9.38	3.42	W
Oregon	W	W	W	2.26	5.63	W	W
Washington	W	W	W	3.40	6.41	W	W
Pacific Noncontiguous	8.23	7.17	15.0%	8.23	7.17	--	--
Alaska	8.23	7.17	15.0%	8.23	7.17	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.68	3.44	-22.0%	2.94	3.86	2.33	2.85

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

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, September 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	0.97	4.8	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	5	0.97	4.8	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	259	2.47	8.0	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	259	2.47	8.0	0	--	--	0	--	--
East North Central	2,931	3.21	11.9	3,532	0.25	4.6	0	--	--
Illinois	705	3.40	23.6	1,438	0.23	4.5	0	--	--
Indiana	995	3.03	9.6	15	0.18	4.2	0	--	--
Michigan	110	2.05	7.4	1,192	0.27	4.7	0	--	--
Ohio	1,057	3.42	9.1	0	--	--	0	--	--
Wisconsin	63	2.75	7.4	887	0.26	4.7	0	--	--
West North Central	47	3.13	8.4	5,659	0.26	4.8	1,421	0.77	11.8
Iowa	14	3.65	8.5	943	0.31	4.8	0	--	--
Kansas	0	--	--	1,232	0.28	5.0	0	--	--
Minnesota	0	--	--	522	0.24	4.6	0	--	--
Missouri	32	2.92	8.4	2,113	0.23	4.7	0	--	--
Nebraska	0	--	--	770	0.29	5.3	0	--	--
North Dakota	0	--	--	0	--	--	1,421	0.77	11.8
South Dakota	0	--	--	79	0.31	5.7	0	--	--
South Atlantic	3,128	2.45	9.8	383	0.34	5.3	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	279	2.94	8.8	0	--	--	0	--	--
Georgia	355	2.46	9.0	383	0.34	5.3	0	--	--
Maryland	66	2.95	7.6	0	--	--	0	--	--
North Carolina	428	1.41	9.9	0	--	--	0	--	--
South Carolina	577	1.90	9.5	0	--	--	0	--	--
Virginia	81	0.94	16.5	0	--	--	0	--	--
West Virginia	1,341	2.96	10.0	0	--	--	0	--	--
East South Central	1,843	2.88	10.1	1,507	0.23	4.9	0	--	--
Alabama	74	1.25	15.3	804	0.26	5.1	0	--	--
Kentucky	1,454	3.02	10.0	446	0.22	4.6	0	--	--
Mississippi	0	--	--	95	0.18	4.5	0	--	--
Tennessee	315	2.66	9.0	161	0.20	4.7	0	--	--
West South Central	40	4.92	8.6	4,428	0.30	5.2	1,161	1.15	17.5
Arkansas	3	0.74	11.3	730	0.24	4.6	0	--	--
Louisiana	37	5.34	8.3	283	0.23	4.7	0	--	--
Oklahoma	0	--	--	313	0.27	5.8	0	--	--
Texas	0	--	--	3,101	0.32	5.3	1,161	1.15	17.5
Mountain	1,316	0.66	13.3	3,619	0.43	7.0	0	--	--
Arizona	0	--	--	533	0.45	9.4	0	--	--
Colorado	84	0.35	8.9	958	0.29	5.8	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	577	0.71	8.9	0	--	--
Nevada	56	0.55	11.6	105	0.38	4.9	0	--	--
New Mexico	442	0.80	19.3	0	--	--	0	--	--
Utah	734	0.63	10.9	48	0.24	4.9	0	--	--
Wyoming	0	--	--	1,398	0.40	6.3	0	--	--
Pacific Contiguous	44	0.43	7.1	93	0.36	8.2	0	--	--
California	44	0.43	7.1	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	93	0.36	8.2	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	39	0.14	8.4
Alaska	0	--	--	0	--	--	39	0.14	8.4
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	9,612	2.54	10.8	19,222	0.30	5.3	2,621	0.93	14.3

Displayed values of zero may represent small values that round to zero.

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W = Withheld to avoid disclosure of individual company data.

Notes:

Bituminous coal includes anthracite coal and coal-derived synthesis gas.

See Glossary for definitions. Values for 2024 are preliminary. Values for 2023 are final. 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 Utilities by State, September 2024

Census Division and State	Bituminous			Subbituminous			Lignite		
	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight	Receipts (Thousand Tons)	Average Sulfur Percent by Weight	Average Ash Percent by Weight
New England	0	--	--	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	0	--	--	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	0	--	--	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	0	--	--	0	--	--	0	--	--
East North Central	1,278	2.90	9.5	2,522	0.25	4.7	0	--	--
Illinois	74	2.42	11.1	428	0.21	4.6	0	--	--
Indiana	840	3.00	10.0	15	0.18	4.2	0	--	--
Michigan	110	2.05	7.4	1,192	0.27	4.7	0	--	--
Ohio	191	3.19	9.0	0	--	--	0	--	--
Wisconsin	63	2.75	7.4	887	0.26	4.7	0	--	--
West North Central	32	2.92	8.4	5,429	0.26	4.8	1,421	0.77	11.8
Iowa	0	--	--	760	0.29	4.8	0	--	--
Kansas	0	--	--	1,232	0.28	5.0	0	--	--
Minnesota	0	--	--	522	0.24	4.6	0	--	--
Missouri	32	2.92	8.4	2,113	0.23	4.7	0	--	--
Nebraska	0	--	--	723	0.29	5.4	0	--	--
North Dakota	0	--	--	0	--	--	1,421	0.77	11.8
South Dakota	0	--	--	79	0.31	5.7	0	--	--
South Atlantic	2,895	2.41	9.9	383	0.34	5.3	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	279	2.94	8.8	0	--	--	0	--	--
Georgia	343	2.52	9.0	383	0.34	5.3	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	428	1.41	9.9	0	--	--	0	--	--
South Carolina	569	1.91	9.5	0	--	--	0	--	--
Virginia	66	0.94	18.7	0	--	--	0	--	--
West Virginia	1,208	2.91	10.1	0	--	--	0	--	--
East South Central	1,810	2.92	10.1	1,507	0.23	4.9	0	--	--
Alabama	74	1.25	15.3	804	0.26	5.1	0	--	--
Kentucky	1,454	3.02	10.0	446	0.22	4.6	0	--	--
Mississippi	0	--	--	95	0.18	4.5	0	--	--
Tennessee	281	2.88	9.1	161	0.20	4.7	0	--	--
West South Central	37	5.34	8.3	2,090	0.27	5.0	176	2.61	29.1
Arkansas	0	--	--	539	0.23	4.6	0	--	--
Louisiana	37	5.34	8.3	157	0.20	4.5	0	--	--
Oklahoma	0	--	--	313	0.27	5.8	0	--	--
Texas	0	--	--	1,082	0.30	5.1	176	2.61	29.1
Mountain	1,316	0.66	13.3	2,940	0.37	6.7	0	--	--
Arizona	0	--	--	533	0.45	9.4	0	--	--
Colorado	84	0.35	8.9	958	0.29	5.8	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	56	0.55	11.6	45	0.56	4.9	0	--	--
New Mexico	442	0.80	19.3	0	--	--	0	--	--
Utah	734	0.63	10.9	48	0.24	4.9	0	--	--
Wyoming	0	--	--	1,355	0.40	6.3	0	--	--
Pacific Contiguous	0	--	--	0	--	--	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	39	0.14	8.4
Alaska	0	--	--	0	--	--	39	0.14	8.4
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	7,368	2.35	10.4	14,871	0.28	5.2	1,636	0.92	13.3

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 2024 are preliminary. Values for 2023 are final. 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, September 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	0.97	4.8	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	5	0.97	4.8	0	--	--	0	--	--
Massachusetts	0	--	--	0	--	--	0	--	--
New Hampshire	0	--	--	0	--	--	0	--	--
Rhode Island	0	--	--	0	--	--	0	--	--
Vermont	0	--	--	0	--	--	0	--	--
Middle Atlantic	248	2.50	8.0	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	248	2.50	8.0	0	--	--	0	--	--
East North Central	1,616	3.46	14.0	939	0.22	4.4	0	--	--
Illinois	595	3.52	26.6	939	0.22	4.4	0	--	--
Indiana	156	3.17	7.6	0	--	--	0	--	--
Michigan	0	--	--	0	--	--	0	--	--
Ohio	866	3.48	9.1	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	199	3.29	8.7	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	0	--	--	0	--	--	0	--	--
Maryland	66	2.95	7.6	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	0	--	--	0	--	--	0	--	--
West Virginia	133	3.47	9.3	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	--	--	2,338	0.32	5.3	985	0.95	15.9
Arkansas	0	--	--	192	0.25	4.6	0	--	--
Louisiana	0	--	--	126	0.27	5.1	0	--	--
Oklahoma	0	--	--	0	--	--	0	--	--
Texas	0	--	--	2,019	0.33	5.4	985	0.95	15.9
Mountain	0	--	--	679	0.65	8.5	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	577	0.71	8.9	0	--	--
Nevada	0	--	--	59	0.23	4.8	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	43	0.51	7.5	0	--	--
Pacific Contiguous	0	--	--	93	0.36	8.2	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	93	0.36	8.2	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	2,068	3.30	12.6	4,049	0.36	5.7	985	0.95	15.9

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 2024 are preliminary. Values for 2023 are final. 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, September 2024

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

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 2024 are preliminary. Values for 2023 are final. 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, September 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	11	1.89	7.5	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	11	1.89	7.5	0	--	--	0	--	--
East North Central	37	3.65	8.5	71	0.40	5.2	0	--	--
Illinois	37	3.65	8.5	71	0.40	5.2	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	0	--	--	0	--	--	0	--	--
Ohio	0	--	--	0	--	--	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	14	3.65	8.5	230	0.37	4.9	0	--	--
Iowa	14	3.65	8.5	183	0.38	4.9	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	0	--	--	0	--	--	0	--	--
Nebraska	0	--	--	47	0.33	4.8	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	34	0.83	8.5	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	0	--	--	0	--	--	0	--	--
Georgia	12	0.79	8.9	0	--	--	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	7	0.71	7.9	0	--	--	0	--	--
Virginia	15	0.92	8.4	0	--	--	0	--	--
West Virginia	0	--	--	0	--	--	0	--	--
East South Central	33	0.89	8.4	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	33	0.89	8.4	0	--	--	0	--	--
West South Central	3	0.74	11.3	0	--	--	0	--	--
Arkansas	3	0.74	11.3	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	44	0.43	7.1	0	--	--	0	--	--
California	44	0.43	7.1	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	176	1.57	8.1	302	0.38	4.9	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 2024 are preliminary. Values for 2023 are final. 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 - September 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	1,450,025	1,408,109	1,009,256	6,864	3,874,253
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	131,638	112,790	80,408	579	325,415
February	112,105	103,830	76,449	561	292,946
March	110,417	112,643	82,817	577	306,454
April	96,196	104,091	80,011	513	280,811
May	100,231	113,243	84,704	529	298,706
June	121,320	120,707	86,193	579	328,798
July	159,715	136,394	90,526	621	387,256
August	161,460	138,390	92,009	578	392,436
Sept	132,807	126,546	86,472	652	346,476
October	103,314	118,208	85,978	565	308,065
November	101,907	109,756	82,036	549	294,248
December	118,917	111,512	81,652	561	312,642
Year 2024					
January	143,267	116,194	83,099	611	343,171
February	116,351	106,678	78,345	541	301,916
March	102,726	108,217	82,980	599	294,522
April	95,126	105,888	81,881	538	283,432
May	107,999	115,903	87,533	597	312,031
June	139,067	125,818	87,651	568	353,104
July	165,564	136,759	91,160	641	394,124
August	159,644	136,966	92,969	640	390,219
Sept	128,429	124,259	87,127	564	340,380
Year to Date					
2022	1,174,887	1,058,234	771,894	4,925	3,009,940
2023	1,125,888	1,068,633	759,589	5,188	2,959,298
2024	1,158,174	1,076,682	772,745	5,298	3,012,899
Rolling 12 Months Ending in September					
2023	1,460,234	1,401,271	1,008,160	6,862	3,876,527
2024	1,482,312	1,416,158	1,022,411	6,974	3,927,855

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 2023 and prior years are final. Values for 2024 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 - September 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	231,993	177,342	81,159	877	491,370
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	20,371	14,228	6,578	73	41,249
February	17,910	13,013	6,125	74	37,123
March	17,716	13,923	6,460	71	38,171
April	15,492	12,572	6,009	62	34,136
May	16,176	13,769	6,472	66	36,483
June	19,515	15,248	6,987	72	41,821
July	25,336	17,603	7,563	79	50,582
August	25,693	18,102	8,185	77	52,057
Sept	21,602	16,538	7,291	94	45,525
October	17,022	15,047	6,883	71	39,024
November	16,501	13,646	6,394	69	36,610
December	18,659	13,653	6,210	69	38,591
Year 2024					
January	22,169	14,630	6,729	77	43,604
February	18,753	13,597	6,102	71	38,522
March	17,149	13,771	6,372	71	37,363
April	16,057	13,379	6,363	67	35,866
May	17,739	14,461	6,902	73	39,175
June	22,829	16,447	7,367	72	46,715
July	27,535	18,576	8,028	84	54,224
August	26,556	18,345	8,104	84	53,089
Sept	21,616	16,734	7,415	73	45,840
Year to Date					
2022	175,350	131,007	64,101	571	371,029
2023	179,811	134,997	61,671	667	377,145
2024	190,403	139,940	63,381	673	394,398
Rolling 12 Months Ending in September					
2023	231,450	176,589	82,465	861	491,365
2024	242,585	182,286	82,868	883	508,623

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 2023 and prior years are final. Values for 2024 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 - September 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	16.00	12.59	8.04	12.77	12.68
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	12.61	8.18	12.54	12.68
February	15.98	12.53	8.01	13.14	12.67
March	16.04	12.36	7.80	12.28	12.46
April	16.10	12.08	7.51	12.05	12.16
May	16.14	12.16	7.64	12.43	12.21
June	16.09	12.63	8.11	12.41	12.72
July	15.86	12.91	8.36	12.77	13.06
August	15.91	13.08	8.90	13.26	13.27
Sept	16.27	13.07	8.43	14.45	13.14
October	16.48	12.73	8.01	12.65	12.67
November	16.19	12.43	7.79	12.60	12.44
December	15.69	12.24	7.61	12.34	12.34
Year 2024					
January	15.47	12.59	8.10	12.64	12.71
February	16.12	12.75	7.79	13.08	12.76
March	16.69	12.73	7.68	11.92	12.69
April	16.88	12.63	7.77	12.43	12.65
May	16.43	12.48	7.88	12.21	12.55
June	16.42	13.07	8.40	12.74	13.23
July	16.63	13.58	8.81	13.15	13.76
August	16.63	13.39	8.72	13.18	13.61
Sept	16.83	13.47	8.51	13.01	13.47
Year to Date					
2022	14.92	12.38	8.30	11.59	12.33
2023	15.97	12.63	8.12	12.85	12.74
2024	16.44	13.00	8.20	12.71	13.09
Rolling 12 Months Ending in September					
2023	15.85	12.60	8.18	12.55	12.68
2024	16.37	12.87	8.11	12.67	12.95

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 2023 and prior years are final. Values for 2024 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 5.5.A. Revenue from Sales of Electricity to Ultimate Customers by End-Use Sector, by State, September 2024 and 2023 (Million Dollars)

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023
New England	1,050	1,114	847	825	199	198	5	5	2,101	2,142
Connecticut	293	308	233	196	41	35	3	3	570	541
Maine	102	108	65	60	24	24	0	0	192	192
Massachusetts	463	499	380	411	85	92	2	1	930	1,004
New Hampshire	85	90	67	65	27	26	0	0	178	181
Rhode Island	71	74	72	64	11	9	0	0	153	147
Vermont	36	36	31	30	12	12	0	0	79	77
Middle Atlantic	2,181	2,315	2,116	2,098	518	479	41	60	4,856	4,952
New Jersey	391	466	492	456	63	62	4	4	950	987
New York	1,090	1,074	1,271	1,304	128	92	37	53	2,525	2,523
Pennsylvania	700	775	353	338	327	325	0	4	1,381	1,443
East North Central	2,504	2,333	1,907	1,775	1,300	1,204	3	3	5,714	5,316
Illinois	591	534	480	441	351	274	3	3	1,425	1,252
Indiana	406	376	259	243	283	271	0	0	949	889
Michigan	533	494	446	409	193	193	0	0	1,172	1,096
Ohio	660	630	459	424	293	284	0	0	1,412	1,339
Wisconsin	315	299	262	258	179	183	0	0	756	739
West North Central	1,265	1,226	1,044	1,024	706	696	0	0	3,016	2,946
Iowa	163	160	117	116	180	181	0	0	460	457
Kansas	179	178	173	157	78	72	0	0	430	406
Minnesota	293	272	248	246	160	166	0	0	701	685
Missouri	427	418	291	303	97	94	0	0	815	815
Nebraska	106	108	101	90	87	82	0	0	294	280
North Dakota	42	40	66	67	80	77	0	0	189	184
South Dakota	54	51	47	44	25	24	0	0	126	119
South Atlantic	4,878	5,114	3,235	3,300	895	887	10	12	9,018	9,314
Delaware	71	76	44	43	14	14	0	0	129	132
District of Columbia	37	44	101	110	1	2	3	3	141	158
Florida	1,919	2,151	1,002	1,080	127	142	1	1	3,049	3,373
Georgia	722	760	485	500	197	192	1	1	1,405	1,453
Maryland	354	375	288	304	27	29	3	4	673	713
North Carolina	742	699	467	443	172	170	0	0	1,381	1,312
South Carolina	419	393	246	236	152	148	0	0	818	778
Virginia	505	516	526	522	114	104	2	3	1,146	1,145
West Virginia	109	101	77	62	91	86	0	0	277	250
East South Central	1,464	1,445	1,056	1,048	553	542	0	0	3,073	3,035
Alabama	448	449	285	272	185	185	0	0	919	906
Kentucky	266	260	189	198	145	147	0	0	601	605
Mississippi	248	262	172	175	94	92	0	0	515	528
Tennessee	501	474	409	404	128	118	0	0	1,038	996
West South Central	3,355	3,737	1,870	2,030	1,286	1,496	0	1	6,511	7,264
Arkansas	222	235	115	120	117	119	0	0	454	474
Louisiana	380	411	242	235	217	182	0	0	839	828
Oklahoma	308	302	226	216	122	121	0	0	657	640
Texas	2,445	2,788	1,287	1,458	830	1,074	0	1	4,562	5,322
Mountain	1,535	1,371	1,136	1,071	616	609	1	2	3,288	3,053
Arizona	651	560	419	366	97	100	0	0	1,166	1,027
Colorado	296	255	240	225	121	115	1	1	658	595
Idaho	82	71	55	49	74	61	0	0	210	182
Montana	51	50	50	50	27	28	0	0	128	129
Nevada	206	206	116	140	115	136	0	0	437	482
New Mexico	104	97	102	97	71	63	0	0	277	256
Utah	120	110	112	106	50	53	1	1	282	269
Wyoming	27	23	41	37	61	53	0	0	129	113
Pacific Contiguous	3,245	2,817	3,387	3,233	1,224	1,063	12	10	7,868	7,122
California	2,738	2,374	2,966	2,805	999	859	11	9	6,714	6,047
Oregon	202	170	165	189	110	95	0	0	476	454
Washington	305	273	256	239	115	108	1	1	677	622
Pacific Noncontiguous	138	130	138	134	119	117	0	0	395	380
Alaska	37	36	45	43	20	18	0	0	102	97
Hawaii	102	94	93	90	98	98	0	0	293	283
U.S. Total	21,616	21,602	16,734	16,538	7,415	7,291	73	94	45,840	45,525

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 for 2023 are final. Values for 2024 are preliminary estimates based on a cutoff model sample.

See Technical Notes for a discussion of the sample design for the Form EIA-826.

Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.

Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.

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

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

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

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023	September 2024	September 2023
New England	29.08	27.37	21.20	18.85	16.37	15.72	12.03	12.49	23.70	21.98
Connecticut	33.01	29.31	23.53	19.98	19.58	16.08	16.82	20.36	27.08	23.94
Maine	26.39	26.79	17.84	16.94	11.30	12.47	--	--	19.83	20.20
Massachusetts	29.17	28.18	20.70	18.71	18.03	17.44	8.72	6.79	23.74	22.22
New Hampshire	24.86	23.24	20.02	18.49	15.65	15.32	--	--	21.10	19.91
Rhode Island	28.56	25.27	22.97	19.07	20.43	19.07	--	17.44	25.02	21.75
Vermont	22.62	21.21	19.19	18.31	11.82	11.39	--	--	18.70	17.80
Middle Atlantic	21.13	20.11	16.83	16.56	8.53	7.76	14.16	17.58	16.60	16.13
New Jersey	19.32	17.97	15.52	14.41	12.27	12.14	10.99	11.86	16.54	15.68
New York	24.98	23.24	20.52	20.17	9.35	6.98	14.68	19.09	20.74	19.90
Pennsylvania	17.79	18.02	11.00	11.12	7.80	7.49	11.90	10.60	12.18	12.30
East North Central	16.65	15.99	12.27	11.90	8.30	7.83	8.31	7.19	12.35	11.83
Illinois	15.93	14.70	12.31	11.30	9.75	8.03	8.07	7.00	12.67	11.39
Indiana	14.93	14.10	12.53	11.76	7.78	7.69	11.89	14.88	11.25	10.78
Michigan	20.00	19.49	13.86	13.23	8.33	8.18	14.49	13.71	14.29	13.73
Ohio	15.82	15.59	10.62	10.90	7.10	6.91	8.00	6.68	11.19	11.11
Wisconsin	17.70	17.41	12.96	13.13	9.09	9.20	16.61	19.26	13.10	13.06
West North Central	14.75	13.95	11.05	11.08	8.22	8.31	14.14	13.01	11.33	11.16
Iowa	14.13	14.12	10.79	11.24	7.90	8.22	--	--	10.19	10.47
Kansas	14.85	13.20	12.03	10.84	8.13	7.22	--	--	11.94	10.73
Minnesota	16.29	15.44	12.75	12.97	9.36	9.70	15.41	12.53	12.86	12.74
Missouri	14.78	14.03	11.76	11.63	8.81	8.59	13.45	13.31	12.61	12.20
Nebraska	13.14	12.32	9.06	9.31	7.67	7.94	--	--	9.63	9.73
North Dakota	12.78	12.83	6.95	7.78	7.12	7.35	--	--	7.83	8.28
South Dakota	14.02	13.24	10.75	10.44	8.47	8.18	--	--	11.29	10.82
South Atlantic	14.74	14.86	10.88	10.72	7.91	7.81	9.78	9.94	12.14	12.15
Delaware	16.69	15.81	12.04	11.55	8.29	7.84	--	--	13.47	12.92
District of Columbia	18.03	16.29	16.64	16.81	6.81	10.50	9.98	9.21	16.59	16.29
Florida	14.05	15.48	10.60	11.89	8.44	9.28	10.64	11.69	12.38	13.76
Georgia	13.70	13.97	11.43	10.53	7.19	7.08	8.34	9.40	11.46	11.26
Maryland	18.38	16.95	13.21	12.41	9.59	9.82	11.53	11.44	15.23	14.26
North Carolina	15.16	13.72	11.04	10.15	8.18	7.85	10.37	10.12	12.30	11.28
South Carolina	15.12	14.04	10.99	10.52	7.25	6.94	--	--	11.50	10.83
Virginia	15.50	14.69	9.04	8.29	8.74	9.12	7.75	9.02	11.03	10.43
West Virginia	15.88	14.35	12.61	10.68	8.22	7.29	--	--	11.52	10.10
East South Central	13.42	12.97	12.40	11.97	6.77	6.62	--	--	11.14	10.81
Alabama	15.35	14.89	13.52	12.95	7.18	6.99	--	--	12.07	11.67
Kentucky	12.45	12.61	11.42	11.54	6.48	6.37	--	--	9.95	9.94
Mississippi	13.24	12.85	12.09	11.92	6.84	6.96	--	--	11.01	10.96
Tennessee	12.61	11.78	12.32	11.61	6.51	6.18	--	--	11.21	10.58
West South Central	14.30	13.96	9.31	9.44	6.21	7.17	7.63	7.68	10.13	10.50
Arkansas	12.77	12.69	10.12	10.35	6.76	7.19	13.94	15.52	9.86	10.16
Louisiana	11.93	11.42	10.43	9.79	5.64	5.35	11.58	10.52	8.97	8.81
Oklahoma	14.01	13.03	10.17	10.14	6.49	6.55	--	--	10.41	10.15
Texas	14.96	14.68	8.93	9.23	6.26	7.69	3.88	7.49	10.36	10.91
Mountain	14.52	14.34	11.54	11.55	8.08	8.33	10.76	13.87	11.72	11.67
Arizona	14.95	14.38	12.40	12.13	7.94	8.20	11.36	10.41	13.03	12.62
Colorado	15.70	15.03	12.88	12.57	9.17	8.95	9.95	15.43	12.95	12.47
Idaho	12.44	11.53	9.54	8.99	8.55	7.59	--	--	10.04	9.22
Montana	13.48	13.15	12.07	12.22	7.03	6.93	--	--	10.90	10.72
Nevada	14.04	16.94	10.07	13.04	9.56	12.28	9.87	13.01	11.43	14.19
New Mexico	15.61	14.88	11.46	11.37	5.86	6.11	--	--	10.01	10.14
Utah	12.18	11.85	9.79	9.22	7.27	7.10	12.02	12.33	10.01	9.53
Wyoming	13.94	12.64	9.80	8.69	8.28	7.47	--	--	9.55	8.56
Pacific Contiguous	26.10	24.29	24.08	22.19	16.69	14.86	16.41	14.61	23.20	21.33
California	31.64	30.01	29.13	27.27	24.43	20.41	17.09	15.19	29.21	26.92
Oregon	15.20	13.19	11.33	10.14	7.55	7.65	12.38	11.28	11.24	10.33
Washington	12.42	11.38	10.55	9.87	6.43	6.40	11.10	10.02	10.13	9.52
Pacific Noncontiguous	35.27	34.92	30.13	29.74	28.49	28.46	--	--	31.18	30.88
Alaska	25.70	24.57	21.73	21.17	17.99	16.61	--	--	22.03	21.15
Hawaii	40.75	41.52	37.08	36.89	32.43	32.77	--	--	36.46	36.65
U.S. Total	16.83	16.27	13.47	13.07	8.51	8.43	13.01	14.45	13.47	13.14

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 for 2023 are final. Values for 2024 are preliminary estimates based on a cutoff model sample.

See Technical Notes for a discussion of the sample design for the Form EIA-826.

Utilities and energy service providers may classify commercial and industrial customers based on either NAICS codes or demands or usage falling within specified limits by rate schedule.

Changes from year to year in consumer counts, sales and revenues, particularly involving the commercial and industrial consumer sectors, may result from respondent implementation of changes in the definitions of consumers, and reclassifications.

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

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

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

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD	September 2024 YTD	September 2023 YTD
New England	27.34	29.05	20.33	19.45	16.26	15.78	12.77	13.51	22.82	22.99
Connecticut	28.67	30.62	20.77	20.10	16.74	15.66	17.25	23.02	24.14	24.66
Maine	23.25	27.10	17.91	17.75	13.01	12.01	--	--	19.30	20.59
Massachusetts	28.97	29.92	20.78	19.71	18.02	17.97	9.14	7.28	23.77	23.43
New Hampshire	23.18	29.07	19.49	20.75	16.16	15.73	--	--	20.50	23.49
Rhode Island	28.30	26.07	20.56	17.06	20.03	18.96	21.03	16.90	23.76	20.94
Vermont	21.65	20.57	18.60	17.79	11.57	11.21	--	--	18.20	17.34
Middle Atlantic	20.59	19.61	15.84	15.36	8.39	7.95	13.69	14.77	16.19	15.45
New Jersey	19.35	17.76	14.84	14.12	12.06	11.83	10.88	12.46	16.48	15.40
New York	24.36	22.19	18.96	18.04	8.88	6.98	14.80	15.88	19.75	18.31
Pennsylvania	17.73	18.14	10.98	11.29	7.78	7.77	10.22	10.10	12.50	12.61
East North Central	16.48	16.20	12.23	11.97	8.10	7.99	7.85	7.13	12.31	12.04
Illinois	15.85	15.80	12.00	11.34	8.90	8.21	7.65	6.97	12.37	11.85
Indiana	14.71	14.99	12.56	12.65	8.02	8.38	11.87	12.89	11.37	11.61
Michigan	19.31	18.85	14.05	13.38	8.32	8.09	14.22	13.49	14.24	13.68
Ohio	16.01	15.29	10.70	10.70	7.11	7.09	6.89	5.80	11.36	11.04
Wisconsin	17.30	16.89	12.71	12.81	8.71	8.77	18.42	16.94	12.85	12.79
West North Central	13.69	13.14	10.59	10.50	7.86	7.94	11.17	10.90	10.80	10.63
Iowa	13.66	13.49	10.44	10.60	7.06	7.18	--	--	9.64	9.70
Kansas	14.27	13.47	11.49	10.98	8.05	7.77	--	--	11.53	10.96
Minnesota	15.45	14.76	12.37	12.55	9.26	9.34	13.09	12.55	12.50	12.35
Missouri	13.31	12.80	10.59	10.41	8.10	8.09	9.99	9.68	11.45	11.13
Nebraska	11.82	11.24	9.09	8.82	7.60	7.76	--	--	9.36	9.24
North Dakota	11.63	11.07	7.40	7.47	7.15	7.42	--	--	7.98	8.11
South Dakota	12.93	12.34	10.52	10.15	8.38	8.04	--	--	10.92	10.51
South Atlantic	14.57	14.42	10.95	10.83	7.84	7.62	10.06	10.23	12.09	11.91
Delaware	16.20	15.41	11.98	11.72	8.13	7.90	--	--	13.32	12.70
District of Columbia	17.42	16.12	16.96	16.83	10.66	10.84	9.64	9.84	16.73	16.35
Florida	14.16	15.17	10.98	11.94	8.65	9.49	10.90	11.31	12.55	13.54
Georgia	14.21	13.84	11.78	10.69	7.48	7.04	8.15	7.65	11.87	11.19
Maryland	17.69	16.26	12.86	12.83	10.25	9.85	11.48	11.09	14.97	14.22
North Carolina	14.30	12.75	10.60	9.54	7.84	7.06	10.07	8.66	11.77	10.47
South Carolina	14.32	13.70	10.66	10.49	6.93	6.74	--	--	11.02	10.58
Virginia	14.56	14.40	9.19	9.01	8.63	8.99	9.28	10.57	10.98	10.78
West Virginia	15.01	14.03	11.75	10.93	7.74	7.19	--	--	11.04	10.21
East South Central	13.35	13.07	12.36	12.16	6.78	6.75	--	--	11.07	10.81
Alabama	15.04	14.61	13.53	13.12	7.23	7.09	--	--	11.89	11.49
Kentucky	12.68	12.58	11.68	11.44	6.58	6.61	--	--	10.22	10.01
Mississippi	13.37	13.20	12.12	12.42	6.86	7.00	--	--	10.98	11.01
Tennessee	12.47	12.14	12.08	11.83	6.33	6.28	--	--	11.02	10.71
West South Central	13.84	13.64	9.08	9.18	6.08	6.60	8.08	7.34	9.74	9.91
Arkansas	12.27	12.28	10.21	10.34	6.52	6.95	13.44	15.00	9.59	9.82
Louisiana	11.56	11.55	10.24	10.40	5.70	5.91	11.65	11.00	8.74	8.95
Oklahoma	12.30	12.14	8.99	9.45	5.86	6.36	--	--	9.19	9.44
Texas	14.69	14.38	8.83	8.89	6.16	6.77	4.56	7.09	10.04	10.18
Mountain	14.15	13.68	11.16	11.03	7.84	7.98	10.64	12.74	11.34	11.18
Arizona	14.91	13.90	12.42	11.82	8.05	8.18	11.07	10.03	12.90	12.21
Colorado	15.05	14.27	12.05	11.75	8.97	8.56	9.69	13.29	12.34	11.83
Idaho	11.64	10.85	9.29	8.71	8.00	7.32	--	--	9.65	8.99
Montana	12.75	12.50	11.92	12.08	7.75	7.85	--	--	10.93	10.97
Nevada	15.03	16.89	10.45	12.20	8.96	11.03	11.16	12.91	11.69	13.56
New Mexico	14.66	13.84	10.96	10.71	5.67	5.75	--	--	9.59	9.54
Utah	11.45	11.24	8.63	8.56	6.98	7.05	12.05	12.32	9.20	9.12
Wyoming	12.39	11.38	9.36	9.01	7.79	6.99	--	--	9.02	8.37
Pacific Contiguous	24.41	22.06	21.52	19.49	14.96	13.35	15.85	12.44	21.22	19.20
California	32.04	29.33	25.91	24.02	22.02	18.56	16.56	12.73	27.39	24.88
Oregon	14.61	12.67	11.41	9.93	7.51	7.57	12.53	11.34	11.35	10.31
Washington	11.83	10.94	10.54	9.87	6.35	6.36	10.79	10.20	10.11	9.54
Pacific Noncontiguous	35.32	34.35	30.86	30.20	30.38	30.36	--	--	32.10	31.56
Alaska	24.95	23.81	21.81	20.85	19.41	18.39	--	--	22.31	21.28
Hawaii	43.31	42.32	39.43	38.89	34.84	35.17	--	--	38.80	38.48
U.S. Total	16.44	15.97	13.00	12.63	8.20	8.12	12.71	12.85	13.09	12.74

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 for 2023 are final. Values for 2024 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 - September 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	141,282,713	19,381,328	1,078,249	85	161,742,375
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	140,646,331	19,343,850	1,053,923	84	161,044,188
February	140,083,946	19,245,625	1,045,447	83	160,375,101
March	141,448,955	19,426,825	1,061,218	84	161,937,082
April	140,336,362	19,204,427	1,061,387	85	160,602,261
May	141,289,078	19,408,729	1,089,609	84	161,787,500
June	141,443,788	19,424,587	1,098,252	85	161,966,712
July	141,202,351	19,387,713	1,090,923	85	161,681,072
August	142,091,093	19,492,504	1,110,030	85	162,693,712
Sept	141,394,603	19,394,681	1,093,078	85	161,882,447
October	141,873,678	19,445,650	1,082,521	85	162,401,934
November	141,638,998	19,389,685	1,069,020	85	162,097,788
December	141,942,234	19,410,068	1,083,495	85	162,435,882
Year 2024					
January	142,098,692	19,407,087	1,087,100	82	162,592,961
February	141,551,825	19,349,570	1,075,582	82	161,977,059
March	142,042,096	19,402,648	1,080,094	82	162,524,920
April	142,265,757	19,417,052	1,096,747	82	162,779,638
May	142,561,792	19,467,122	1,112,158	82	163,141,154
June	142,241,643	19,402,311	1,113,151	83	162,757,188
July	143,052,031	19,507,538	1,139,158	83	163,698,810
August	143,087,335	19,411,740	1,145,127	83	163,644,285
Sept	142,647,039	19,359,632	1,130,209	82	163,136,962
Rolling 12 Months Ending in September					
2023	140,938,253	19,354,905	1,072,977	84	161,366,219
2024	142,250,260	19,414,175	1,101,197	83	162,765,715

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 2023 and prior years are final. Values for 2024 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).

Chapter 6

Capacity

**Table 6.1.A. Estimated Net Summer Solar Photovoltaic Capacity From Utility and Small Scale Facilities (Megawatts)
2008 - September 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	90,527.7	47,774.7	138,302.4
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	72,851.8	40,442.7	113,294.5
February	73,402.2	41,008.3	114,410.5
March	73,948.2	41,589.0	115,537.2
April	74,882.0	42,188.4	117,070.4
May	75,981.9	42,943.5	118,925.4
June	77,601.9	43,659.3	121,261.2
July	78,928.8	44,259.8	123,188.6
August	79,649.3	45,307.2	124,956.5
Sept	80,606.0	45,923.3	126,529.3
October	82,386.8	46,563.2	128,950.0
November	83,387.3	47,224.9	130,612.2
December	90,527.7	47,774.7	138,302.4
Year 2024			
January	93,255.4	48,164.3	141,419.7
February	93,838.9	48,741.8	142,580.7
March	96,769.1	49,170.0	145,939.1
April	98,170.0	49,578.6	147,748.6
May	100,553.1	50,194.2	150,747.3
June	103,191.5	50,535.9	153,727.4
July	104,142.3	50,697.9	154,840.2
August	105,337.5	51,253.4	156,590.9
Sept	107,482.4	51,857.3	159,339.7

Values for 2023 are final. Values for 2024 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 - September 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	32,611.3	12,605.1	2,558.3	47,774.7
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	26,741.1	11,361.0	2,340.5	40,442.7
February	27,199.2	11,464.5	2,344.6	41,008.3
March	27,683.6	11,544.3	2,361.1	41,589.0
April	28,127.4	11,647.2	2,413.9	42,188.4
May	28,745.6	11,781.7	2,416.2	42,943.5
June	29,380.7	11,849.8	2,428.8	43,659.3
July	29,900.8	11,921.1	2,438.0	44,259.8
August	30,758.5	12,100.6	2,448.1	45,307.2
Sept	31,220.0	12,236.6	2,466.7	45,923.3
October	31,738.1	12,325.8	2,499.3	46,563.2
November	32,195.8	12,478.9	2,550.2	47,224.9
December	32,611.3	12,605.1	2,558.3	47,774.7
Year 2024				
January	32,849.1	12,753.9	2,561.3	48,164.3
February	33,264.2	12,889.5	2,588.1	48,741.8
March	33,581.4	12,993.4	2,595.2	49,170.0
April	33,860.0	13,107.5	2,611.1	49,578.6
May	34,197.3	13,406.6	2,590.2	50,194.2
June	34,426.1	13,513.4	2,596.4	50,535.9
July	34,488.8	13,609.4	2,599.7	50,697.9
August	34,901.0	13,735.1	2,617.3	51,253.4
Sept	35,253.9	13,910.9	2,692.5	51,857.3

Values for 2023 are final. Values for 2024 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 6.3. 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	66274	AstraZeneca Pharmaceuticals	Industrial	AstraZeneca Newark Solar	DE	67572	PV-A	1.6	Solar Photovoltaic	SUN	PV
2024	1	66274	AstraZeneca Pharmaceuticals	Industrial	AstraZeneca Newark Solar	DE	67572	PV-B	1.6	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	61194	Generate Capital	IPP	Spencer (NY)	NY	67617	11017	4.9	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	65860	Madison Fields Solar Project, LLC	IPP	Madison Fields Solar Project, LLC	OH	66198	USMDF	180.0	Solar Photovoltaic	SUN	PV
2024	1	12796	Monongahela Power Co	Electric Utility	Fort Martin Solar	WV	66898	FTMS	18.9	Solar Photovoltaic	SUN	PV
2024	1	61227	Nautilus Solar Solutions	IPP	SolarClub 30 (CSG)	MN	67332	SC	1.0	Solar Photovoltaic	SUN	PV
2024	1	60584	Onyx Asset Services Group	IPP	Paso Robles - Municipal Airport	CA	67866	10221	3.0	Solar Photovoltaic	SUN	PV
2024	1	65580	Pioneer Hutt Wind Energy, LLC	IPP	Pioneer Hutt Wind Energy	TX	66531	WPION	140.0	Onshore Wind Turbine	WND	WT
2024	1	65577	Potsdam Community Solar 2, LLC	IPP	NY Potsdam 28 Hamilton St. Solar	NY	66530	21013	4.4	Solar Photovoltaic	SUN	PV
2024	1	59216	S.C. Johnson & Son, Inc.	Industrial	Waxdale	WI	59448	SITEA	1.3	Solar Photovoltaic	SUN	PV
2024	1	59216	S.C. Johnson & Son, Inc.	Industrial	Waxdale	WI	59448	SITEB	0.4	Solar Photovoltaic	SUN	PV
2024	1	59216	S.C. Johnson & Son, Inc.	Industrial	Waxdale	WI	59448	SITEC	0.4	Solar Photovoltaic	SUN	PV
2024	1	65560	SOL ME Augusta 13 York Farm, LLC	IPP	ME Augusta 13 York Farm Rd Solar	ME	66512	18196	1.0	Solar Photovoltaic	SUN	PV
2024	1	60520	SoCore Energy LLC	IPP	Yorktown 1 Solar	IL	67832	PV1	2.0	Solar Photovoltaic	SUN	PV
2024	1	60520	SoCore Energy LLC	IPP	Yorktown 2 Solar	IL	67833	PV1	2.0	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 C	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 Ocean Solar LLC Community So	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	66239	Entegrity Solar El Dorado SD, LLC	IPP	El Dorado AR	AR	67517	63154	1.8	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	60025	Greenbacker Renewable Energy Corporation	IPP	Hay River (Dunn 1)	WI	66993	717	1.5	Solar Photovoltaic	SUN	PV
2024	2	60025	Greenbacker Renewable Energy Corporation	IPP	Popple Creek (Clark 1)	WI	66995	715	2.0	Solar Photovoltaic	SUN	PV
2024	2	60025	Greenbacker Renewable Energy Corporation	IPP	Trimbelle (Pierce Pepin)	WI	67054	705	2.0	Solar Photovoltaic	SUN	PV
2024	2	60025	Greenbacker Renewable Energy Corporation	IPP	Walleye (Dunn 2)	WI	66994	720	1.5	Solar Photovoltaic	SUN	PV
2024	2	60025	Greenbacker Renewable Energy Corporation	IPP	Wolf River (Chipewa 1)	WI	67057	707	1.5	Solar Photovoltaic	SUN	PV
2024	2	65076	HEN Infrastructure, L.L.C.	IPP	Hamilton BESS	TX	66782	HAMIL	9.9	Batteries	MWH	BA
2024	2	63959	Horizon Hill Wind, LLC	IPP	Horizon Hill Wind Project	OK	64339	HHILL	201.5	Onshore Wind Turbine	WND	WT
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	ME	66833	HUG	2.5	Solar Photovoltaic	SUN	PV
2024	2	61944	MN8 Energy LLC	IPP	NY8 - Teichos Pattersonville	NY	65840	GEN1	20.0	Solar Photovoltaic	SUN	PV
2024	2	61944	MN8 Energy LLC	IPP	Summit - Cicero	NY	66273	GEN1	5.0	Solar Photovoltaic	SUN	PV
2024	2	11479	Madison Gas & Electric Co	Electric Utility	Tyto Solar	WI	67196	1	6.0	Solar Photovoltaic	SUN	PV
2024	2	61153	Montevue Lane Solar, LLC	IPP	Fort Detrick Solar PV	MD	61552	FDSBS	6.0	Batteries	MWH	BA
2024	2	65574	NYSolar03 LLC	IPP	NY Geneseo 3240 W Lake Rd Solar	NY	66526	19372	5.0	Solar Photovoltaic	SUN	PV
2024	2	61227	Nautilus Solar Solutions	IPP	Mustang One	MD	67399	SC	1.5	Solar Photovoltaic	SUN	PV
2024	2	61227	Nautilus Solar Solutions	IPP	Sanford -NY	NY	67452	SC	4.9	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	65969	SR Marion, LLC	IPP	SR Marion, LLC	TN	67158	MARN1	1.3	Solar Photovoltaic	SUN	PV
2024	2	66541	Solar DG CA Long Beach, LLC	IPP	City of Long Beach Airport Lot A & B	CA	67994	COLBA	1.2	Solar Photovoltaic	SUN	PV
2024	2	66150	TJA-NY-11202 Ridge Rd Medina, LLC	IPP	Source Power NY III - Medina II (CSG)	NY	66259	P5646	5.0	Solar Photovoltaic	SUN	PV
2024	2	64932	Texas Solar Nova 2, LLC	IPP	Texas Solar Nova 2	TX	65660	TSN2	200.0	Solar Photovoltaic	SUN	PV
2024	2	65755	VESI 23 LLC	IPP	Justin Court Energy Storage	NJ	66758	JC1	20.0	Batteries	MWH	BA
2024	3	64904	AES Clean Energy	IPP	Westport Stone & Sand Solar (CSG)	MA	66447	WESTP	5.0	Solar Photovoltaic	SUN	PV
2024	3	61012	AES Distributed Energy	IPP	AES West Oahu Solar Hybrid	HI	64656	UHBES	12.5	Batteries	MWH	BA
2024	3	61012	AES Distributed Energy	IPP	AES West Oahu Solar Hybrid	HI	64656	UHWO	12.5	Solar Photovoltaic	SUN	PV
2024	3	64996	Arica Solar, LLC	IPP	Arica Solar	CA	65744	ARCBA	136.0	Batteries	MWH	BA
2024	3	64996	Arica Solar, LLC	IPP	Arica Solar	CA	65744	ARCPV	263.0	Solar Photovoltaic	SUN	PV
2024	3	58939	Cameron Wind 1 LLC	IPP	Cameron Wind 1 LLC	TX	59118	SABAL	16.4	Batteries	MWH	BA
2024	3	64624	Cedar Creek Wind, LLC	IPP	Cedar Creek Wind, LLC	ID	65311	CDCRC	160.0	Onshore Wind Turbine	WND	WT
2024	3	3913	City of Colby - (KS)	Electric Utility	Colby City of	KS	1272	9	3.0	Petroleum Liquids	DFO	IC
2024	3	65677	Dimension Energy LLC	IPP	Visalia CSG LLC	CA	66677	VISAL	3.0	Solar Photovoltaic	SUN	PV
2024	3	6455	Duke Energy Florida, LLC	Electric Utility	Mule Creek Renewable Energy Center	FL	65501	PV1	74.9	Solar Photovoltaic	SUN	PV
2024	3	6455	Duke Energy Florida, LLC	Electric Utility	Winqeepin Renewable Energy Center	FL	66553	PV1	74.9	Solar Photovoltaic	SUN	PV
2024	3	59380	Enel Green Power NA, Inc.	IPP	Ganado Solar	TX	67284	GBA	70.5	Batteries	MWH	BA
2024	3	66235	Entegrity Solar ADC, LLC	IPP	ADC Varner	AR	67513	63612	4.9	Solar Photovoltaic	SUN	PV
2024	3	6452	Florida Power & Light Co	Electric Utility	Big Juniper Solar	FL	65862	1	74.5	Solar Photovoltaic	SUN	PV
2024	3	6452	Florida Power & Light Co	Electric Utility	Fourmile Creek	FL	65927	1	74.5	Solar Photovoltaic	SUN	PV
2024	3	6452	Florida Power & Light Co	Electric Utility	Hawthorne Creek	FL	65926	1	74.5	Solar Photovoltaic	SUN	PV
2024	3	6452	Florida Power & Light Co	Electric Utility	Nature Trail	FL	65924	1	74.5	Solar Photovoltaic	SUN	PV
2024	3	6452	Florida Power & Light Co	Electric Utility	Pecan Tree	FL	65879	1	74.5	Solar Photovoltaic	SUN	PV
2024	3	6452	Florida Power & Light Co	Electric Utility	Sambucus	FL	65864	1	74.5	Solar Photovoltaic	SUN	PV
2024	3	6452	Florida Power & Light Co	Electric Utility	Sparkleberry	FL	65867	1	74.5	Solar Photovoltaic	SUN	PV
2024	3	6452	Florida Power & Light Co	Electric Utility	Three Creeks	FL	65863	1	74.5	Solar Photovoltaic	SUN	PV
2024	3	6452	Florida Power & Light Co	Electric Utility	Wild Quail	FL	65910	1	74.5	Solar Photovoltaic	SUN	PV
2024	3	6452	Florida Power & Light Co	Electric Utility	Woodyard	FL	65875	1	74.5	Solar Photovoltaic	SUN	PV
2024	3	62856	Forefront Power, LLC	IPP	CA-DGS- RFP-Correctional Training Fac	CA	65524	14069	1.6	Solar Photovoltaic	SUN	PV
2024	3	62856	Forefront Power, LLC	IPP	Grossmont-Cuyamaca-Cuyamaca Col. Solar &	CA	66023	18009	1.4	Solar Photovoltaic	SUN	PV
2024	3	62856	Forefront Power, LLC	IPP	Grossmont-Cuyamaca-Cuyamaca Col. Solar &	CA	66023	19043	1.0	Batteries	MWH	BA
2024	3	63117	Gemini Solar	IPP	Gemini Solar Hybrid	NV	63352	ARBE1	690.0	Solar Photovoltaic	SUN	PV
2024	3	63117	Gemini Solar	IPP	Gemini Solar Hybrid	NV	63352	ARPV1	380.0	Batteries	MWH	BA
2024	3	63545	Golden Field Solar III, LLC	IPP	Golden Field Solar III, LLC	CA	63859	RCBA	147.0	Batteries	MWH	BA
2024	3	65575	Grand Island Sunrise LLC	IPP	NY Grand Island 871 Whitehaven Rd Solar	NY	66527	21011	5.0	Solar Photovoltaic	SUN	PV
2024	3	60025	Greenbacker Renewable Energy Corporation	IPP	Athens Ridge	ME	66832	574	2.9	Solar Photovoltaic	SUN	PV
2024	3	60025	Greenbacker Renewable Energy Corporation	IPP	Ogema	WI	67055	706	1.4	Solar Photovoltaic	SUN	PV
2024	3	65076	HEN Infrastructure, L.L.C.	IPP	Diboll BESS	TX	66794	DIBOL	9.9	Batteries	MWH	BA
2024	3	65076	HEN Infrastructure, L.L.C.	IPP	Garden City East BESS	TX	66791	GRDNE	9.9	Batteries	MWH	BA
2024	3	65076	HEN Infrastructure, L.L.C.	IPP	Judkins BESS	TX	66790	JUDKS	9.9	Batteries	MWH	BA
2024	3	65076	HEN Infrastructure, L.L.C.	IPP	Lufkin South BESS	TX	66789	LUFKS	9.9	Batteries	MWH	BA
2024	3	65076	HEN Infrastructure, L.L.C.	IPP	Mineral Wells East BESS	TX	66788	MNWLE	9.9	Batteries	MWH	BA

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2024	3	65076	HEN Infrastructure, L.L.C.	IPP	Pauline BESS	TX	66784	PAULN	9.9	Batteries	MWH	BA
2024	3	66424	Hardy Hills Solar LLC	Electric Utility	Hardy Hills Solar Energy LLC	IN	67852	HHSPV	195.0	Solar Photovoltaic	SUN	PV
2024	3	66438	Harris Farms Inc	Industrial	Harris Farms Solar Facility	CA	67868	HF1	1.3	Solar Photovoltaic	SUN	PV
2024	3	8366	Heber Light & Power Company	Electric Utility	Heber City	UT	7111	14	2.2	Natural Gas Internal Combustion Engine	NG	IC
2024	3	65400	Horus West Virginia 1, LLC	IPP	Blake Solar Plant	WV	66276	US620	80.0	Solar Photovoltaic	SUN	PV
2024	3	9417	Interstate Power and Light Co	Electric Utility	Duane Arnold Solar I (50 MW)	IA	67140	PV1	50.0	Solar Photovoltaic	SUN	PV
2024	3	66099	Jade Meadow LLC	IPP	Jade Meadow LLC	MD	67214	JMS01	19.8	Solar Photovoltaic	SUN	PV
2024	3	62836	Navisun LLC	IPP	Acushnet MA 2 (CSG)	MA	64707	ACNT2	1.0	Solar Photovoltaic	SUN	PV
2024	3	64507	North Haven Solar One, LLC	IPP	North Haven Solar One	CT	65109	VCP11	1.6	Solar Photovoltaic	SUN	PV
2024	3	59254	NuGen Capital Management	IPP	Bristol Landfill Solar	RI	65142	BL1	5.0	Solar Photovoltaic	SUN	PV
2024	3	60584	Onyx Asset Services Group	IPP	Ellington - 277 Sadds Mill	CT	67865	10634	2.0	Solar Photovoltaic	SUN	PV
2024	3	34691	Ormat Nevada Inc	IPP	Steamboat Hills LP	NV	50654	SBSL2	3.6	Solar Photovoltaic	SUN	PV
2024	3	61298	Pine Gate Renewables	IPP	Pleasant Hill PV1	NC	63787	PHILL	20.0	Solar Photovoltaic	SUN	PV
2024	3	63359	REA Investments, LLC	IPP	Skyway Avenue Solar Farm	ME	67946	SKYWY	2.5	Solar Photovoltaic	SUN	PV
2024	3	64371	RPNY Solar 3, LLC	IPP	Slayton Settlement Road Solar CSG	NY	64867	SLYTB	2.0	Solar Photovoltaic	SUN	PV
2024	3	66163	SR Canadaville, LLC	IPP	SR Canadaville, LLC	TN	67298	CANAD	16.0	Solar Photovoltaic	SUN	PV
2024	3	63781	SR North Stonington, LLC	IPP	SR North Stonington	CT	64160	STONE	12.0	Solar Photovoltaic	SUN	PV
2024	3	16609	San Diego Gas & Electric Co	Electric Utility	Boulevard Energy Storage	CA	66279	1	10.0	Batteries	MWH	BA
2024	3	16609	San Diego Gas & Electric Co	Electric Utility	Clairemont Energy Storage	CA	66266	1	10.0	Batteries	MWH	BA
2024	3	16609	San Diego Gas & Electric Co	Electric Utility	Elliott Energy Storage	CA	66278	1	10.0	Batteries	MWH	BA
2024	3	16609	San Diego Gas & Electric Co	Electric Utility	Melrose BESS	CA	66281	1	10.0	Batteries	MWH	BA
2024	3	16609	San Diego Gas & Electric Co	Electric Utility	Melrose BESS	CA	66281	2	10.0	Batteries	MWH	BA
2024	3	16609	San Diego Gas & Electric Co	Electric Utility	Pala Gomez Creek BESS	CA	66280	1	10.0	Batteries	MWH	BA
2024	3	16609	San Diego Gas & Electric Co	Electric Utility	Paradise Energy Storage	CA	66265	1	10.0	Batteries	MWH	BA
2024	3	64994	SolRiver Capital LLC	IPP	Auburn Solar LLC (CSG)	OR	66378	PV1	2.9	Solar Photovoltaic	SUN	PV
2024	3	64994	SolRiver Capital LLC	IPP	Gray Fox Solar LLC	NC	66377	PV1	5.0	Solar Photovoltaic	SUN	PV
2024	3	64994	SolRiver Capital LLC	IPP	Harding Solar, LLC	NC	67053	PV1	3.0	Solar Photovoltaic	SUN	PV
2024	3	64994	SolRiver Capital LLC	IPP	Sheridan Solar LLC (CSG)	OR	66354	PV1	3.0	Solar Photovoltaic	SUN	PV
2024	3	64994	SolRiver Capital LLC	IPP	Sunflower Solar LLC	SC	67051	PV1	10.0	Solar Photovoltaic	SUN	PV
2024	3	64994	SolRiver Capital LLC	IPP	Washington Solar	NC	60948	PV1	5.0	Solar Photovoltaic	SUN	PV
2024	3	64994	SolRiver Capital LLC	IPP	Whitehall Solar LLC	SC	67052	PV1	2.0	Solar Photovoltaic	SUN	PV
2024	3	65426	St. Gall Energy Storage I	IPP	St. Gall Energy Storage I	TX	66336	SGES1	100.0	Batteries	MWH	BA
2024	3	60531	Standard Solar	IPP	Hall Property	MD	67486	HALLP	2.0	Solar Photovoltaic	SUN	PV
2024	3	64995	Victory Pass I, LLC	IPP	Victory Pass	CA	65743	VCTBA	50.0	Batteries	MWH	BA
2024	3	64995	Victory Pass I, LLC	IPP	Victory Pass	CA	65743	VCTPV	200.0	Solar Photovoltaic	SUN	PV
2024	3	65014	Waco Solar, LLC	IPP	Waco Solar	TX	65762	SWACO	400.0	Solar Photovoltaic	SUN	PV
2024	4	64904	AES Clean Energy	IPP	Chevelon Butte Phase 2	AZ	67176	CHVB2	216.0	Onshore Wind Turbine	WND	WT
2024	4	64904	AES Clean Energy	IPP	Delta Wind Farm (MS)	MS	66000	DLTA	184.5	Onshore Wind Turbine	WND	WT
2024	4	64484	ASA DeKalb NY Solar III LLC	IPP	ASA DeKalb NY Solar III LLC	NY	65067	DEK3	3.3	Solar Photovoltaic	SUN	PV
2024	4	64516	Azimuth 180 Solar Electric, LLC	IPP	Grinnell College	IA	65164	GRIN	3.9	Solar Photovoltaic	SUN	PV
2024	4	63784	Azure Sky Wind Project, LLC	IPP	Azure Sky Wind Project, LLC Hybrid	TX	64164	ASWBE	120.0	Batteries	MWH	BA
2024	4	66331	Birch Creek Power, LLC	IPP	Earp Solar, LLC	IL	66631	PV	35.0	Solar Photovoltaic	SUN	PV
2024	4	65211	Blackwater Solar, LLC	IPP	Blackwater Solar	GA	66025	GA-02	80.0	Solar Photovoltaic	SUN	PV
2024	4	65591	Cane Creek Solar, LLC	IPP	Cane Creek	MS	66543	PGRCC	78.5	Solar Photovoltaic	SUN	PV
2024	4	64307	Castle Solar, LLC	IPP	Castle Solar, LLC	UT	64740	CS	40.0	Solar Photovoltaic	SUN	PV
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
2024	4	4254	Consumers Energy Co - (MI)	Electric Utility	Heartland Farms	MI	66192	65014	200.0	Onshore Wind Turbine	WND	WT
2024	4	61060	Cypress Creek Renewables	IPP	Zier Solar	TX	66137	11023	40.4	Batteries	MWH	BA
2024	4	61060	Cypress Creek Renewables	IPP	Zier Solar	TX	66137	41195	160.0	Solar Photovoltaic	SUN	PV
2024	4	65677	Dimension Energy LLC	IPP	Augusta CSG, LLC	VA	67529	AUGUS	2.9	Solar Photovoltaic	SUN	PV
2024	4	65677	Dimension Energy LLC	IPP	Suffolk CSG, LLC	VA	67531	SUFFO	3.8	Solar Photovoltaic	SUN	PV
2024	4	65677	Dimension Energy LLC	IPP	Waynesboro Bridge Solar, LLC Community S	VA	67530	WAYNE	5.0	Solar Photovoltaic	SUN	PV
2024	4	65660	Enchanted Rock	IPP	ERock MID Claribel Generation Station	CA	67380	MID	48.0	Natural Gas Internal Combustion Engine	NG	IC
2024	4	64458	Enfield Solar One, LLC	IPP	Enfield Solar One	CT	65047	VCP07	4.0	Solar Photovoltaic	SUN	PV
2024	4	66147	FFP NY Goshen Project1, LLC	IPP	FFP - NY Urbanski	NY	67281	5653	4.4	Solar Photovoltaic	SUN	PV
2024	4	66148	FFP NY Goshen Project2, LLC	IPP	FFP - NY Varano	NY	67282	5654	5.0	Solar Photovoltaic	SUN	PV
2024	4	65226	FGE Goodnight I, LLC	IPP	Goodnight	TX	59246	GOOD1	265.5	Onshore Wind Turbine	WND	WT
2024	4	62856	Forefront Power, LLC	IPP	CA-DGS-California Correctional Inst	CA	65105	15111	4.0	Solar Photovoltaic	SUN	PV
2024	4	66049	Foxhound Solar, LLC	IPP	Foxhound	VA	67171	F2024	83.0	Solar Photovoltaic	SUN	PV
2024	4	61194	Generate Capital	IPP	Barone	NY	67613	11034	3.0	Solar Photovoltaic	SUN	PV
2024	4	7140	Georgia Power Co	Electric Utility	Vogtle	GA	649	4	1,114.0	Nuclear	NUC	ST
2024	4	60025	Greenbacker Renewable Energy Corporation	IPP	Hecate Energy Albany 2 LLC	NY	66126	292	20.0	Solar Photovoltaic	SUN	PV
2024	4	60025	Greenbacker Renewable Energy Corporation	IPP	Oaks Landfill - ANEM	MD	67180	882	2.5	Solar Photovoltaic	SUN	PV

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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	4	60025	Greenbacker Renewable Energy Corporation	IPP	Oaks Landfill CS 1	MD	67508	883	2.0	Solar Photovoltaic	SUN	PV
2024	4	60025	Greenbacker Renewable Energy Corporation	IPP	Oaks Landfill CS 2	MD	67690	884	2.0	Solar Photovoltaic	SUN	PV
2024	4	60025	Greenbacker Renewable Energy Corporation	IPP	Smithfield 1	UT	66144	523	5.0	Solar Photovoltaic	SUN	PV
2024	4	65076	HEN Infrastructure, L.L.C.	IPP	Farmersville (TX)	TX	65812	FRMVL	9.9	Batteries	MWH	BA
2024	4	65783	Hayhurst Texas Solar	IPP	Hayhurst Texas Solar	TX	66880	HHTX	24.8	Solar Photovoltaic	SUN	PV
2024	4	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Cottontail Solar 6	PA	65081	PACT6	20.0	Solar Photovoltaic	SUN	PV
2024	4	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Cottontail Solar 8	PA	65082	PACT8	20.0	Solar Photovoltaic	SUN	PV
2024	4	12303	Merck & Co Inc-West Point	Industrial	West Point (PA)	PA	52149	GEN19	1.0	Natural Gas Internal Combustion Engine	NG	IC
2024	4	65344	Misenheimer Solar LLC	IPP	Misenheimer Solar LLC	NC	66237	GEN01	74.4	Solar Photovoltaic	SUN	PV
2024	4	61227	Nautilus Solar Solutions	IPP	Lion One	MD	67392	SC	2.0	Solar Photovoltaic	SUN	PV
2024	4	61227	Nautilus Solar Solutions	IPP	Parker Place	MD	67439	SC	2.0	Solar Photovoltaic	SUN	PV
2024	4	61227	Nautilus Solar Solutions	IPP	Pivot Solar 10	CO	67446	SC	1.7	Solar Photovoltaic	SUN	PV
2024	4	61227	Nautilus Solar Solutions	IPP	Pivot Solar 9	CO	67441	SC	1.7	Solar Photovoltaic	SUN	PV
2024	4	61227	Nautilus Solar Solutions	IPP	Ten Oaks	MD	67334	SC	2.0	Solar Photovoltaic	SUN	PV
2024	4	49896	Nevada Gold Energy, LLC	IPP	TS Power Plant	NV	56224	SOL1	100.0	Solar Photovoltaic	SUN	PV
2024	4	63216	North Valley	IPP	North Valley	NV	63491	NVSOL	5.5	Solar Photovoltaic	SUN	PV
2024	4	65394	Proxima Solar, LLC	IPP	Proxima	CA	66270	PRXBS	162.0	Batteries	MWH	BA
2024	4	63359	REA Investments, LLC	IPP	Canton GLC Solar, LLC	ME	67921	CANTN	3.0	Solar Photovoltaic	SUN	PV
2024	4	64177	Ranchland Wind Project I, LLC	IPP	Ranchland Wind Project I	TX	64551	WT2	114.9	Onshore Wind Turbine	WND	WT
2024	4	64178	Ranchland Wind Project II, LLC	IPP	Ranchland Wind Project II	TX	64544	WT2	148.0	Onshore Wind Turbine	WND	WT
2024	4	64179	Ranchland Wind Storage, LLC	IPP	Ranchland Wind Storage	TX	64545	BA	73.0	Batteries	MWH	BA
2024	4	65781	Sky Ranch Solar and Storage	IPP	Sky Ranch Solar	NM	66814	SKYBA	50.0	Batteries	MWH	BA
2024	4	65781	Sky Ranch Solar and Storage	IPP	Sky Ranch Solar	NM	66814	SKYPV	190.0	Solar Photovoltaic	SUN	PV
2024	4	17650	Southern Power Co	IPP	South Cheyenne Solar	WY	67147	SCHY	150.0	Solar Photovoltaic	SUN	PV
2024	4	63515	Sparta Solar, LLC	IPP	Sparta Solar	TX	63840	1111	250.0	Solar Photovoltaic	SUN	PV
2024	4	65625	Sunlight Storage II	IPP	Sunlight Storage II	CA	66575	SUNS2	230.0	Batteries	MWH	BA
2024	4	61862	Thomas Solar	IPP	Thomas Solar	SC	62352	81	2.0	Solar Photovoltaic	SUN	PV
2024	5	64904	AES Clean Energy	IPP	Raceway Solar & Storage	CA	66773	RCWYB	80.0	Batteries	MWH	BA
2024	5	64904	AES Clean Energy	IPP	Raceway Solar & Storage	CA	66773	RCWYS	125.0	Solar Photovoltaic	SUN	PV
2024	5	61012	AES Distributed Energy	IPP	AES Maui Kuihelani Solar Hybrid	HI	64256	KLNIB	60.0	Batteries	MWH	BA
2024	5	61012	AES Distributed Energy	IPP	AES Maui Kuihelani Solar Hybrid	HI	64256	KULNI	60.0	Solar Photovoltaic	SUN	PV
2024	5	61012	AES Distributed Energy	IPP	Platteview Solar LLC	NE	65334	PLTVV	81.0	Solar Photovoltaic	SUN	PV
2024	5	64530	ASA Gouverneur NY Solar II LLC	IPP	ASA Gouverneur NY Solar II LLC	NY	65158	GOV2	4.0	Solar Photovoltaic	SUN	PV
2024	5	65271	Blue Elk II Solar, LLC	IPP	Blue Elk II Solar, LLC	MI	66105	BEII	20.0	Solar Photovoltaic	SUN	PV
2024	5	65937	CPV Stagecoach Solar, LLC	IPP	CPV Stagecoach Solar	GA	67021	SC1	80.0	Solar Photovoltaic	SUN	PV
2024	5	66065	CTMW Solar, LLC	Commercial	Tejon Castac Water District Solar	CA	67365	17180	1.3	Solar Photovoltaic	SUN	PV
2024	5	66219	Cavalry Energy Center LLC	Electric Utility	Cavalry Solar Hybrid	IN	67489	CAVBS	45.0	Batteries	MWH	BA
2024	5	66219	Cavalry Energy Center LLC	Electric Utility	Cavalry Solar Hybrid	IN	67489	CAVPV	200.0	Solar Photovoltaic	SUN	PV
2024	5	65397	Condor Energy Storage LLC	IPP	Condor Energy Storage LLC	CA	66285	COND1	200.0	Batteries	MWH	BA
2024	5	65315	Crooked Lake Solar, LLC	IPP	Crooked Lake Solar, LLC	AR	66185	GEN1	175.0	Solar Photovoltaic	SUN	PV
2024	5	65793	DG Empire Lumen 2023, LLC	IPP	NY Sorrell Hill II CSG	NY	66856	NGSH2	5.0	Solar Photovoltaic	SUN	PV
2024	5	66349	DG Harlem, LLC	IPP	DG Harlem Solar	IL	67751	HM701	2.0	Solar Photovoltaic	SUN	PV
2024	5	65677	Dimension Energy LLC	IPP	Fairfield Lee Solar, LLC Community Solar	VA	67532	FAIRF	5.0	Solar Photovoltaic	SUN	PV
2024	5	65411	Duke Energy Renewables Services	IPP	Wildflower Solar, LLC (MS)	MS	66369	WDFL	100.0	Solar Photovoltaic	SUN	PV
2024	5	65018	East Point Energy Center, LLC	IPP	East Point Energy Center, LLC	NY	65805	EP01	50.0	Solar Photovoltaic	SUN	PV
2024	5	64306	Elektron Solar, LLC	IPP	Elektron Solar, LLC	UT	64739	ELKS	80.0	Solar Photovoltaic	SUN	PV
2024	5	65660	Enchanted Rock	IPP	Enchanted Rock Turlock Irrigation Distri	CA	66680	UNIT1	11.7	Natural Gas Internal Combustion Engine	NG	IC
2024	5	65660	Enchanted Rock	IPP	Enchanted Rock Turlock Irrigation Distri	CA	66680	UNIT2	11.7	Natural Gas Internal Combustion Engine	NG	IC
2024	5	65660	Enchanted Rock	IPP	Enchanted Rock Turlock Irrigation Distri	CA	66680	UNIT3	11.7	Natural Gas Internal Combustion Engine	NG	IC
2024	5	65660	Enchanted Rock	IPP	Enchanted Rock Turlock Irrigation Distri	CA	66680	UNIT4	11.7	Natural Gas Internal Combustion Engine	NG	IC
2024	5	66147	FFP NY Goshen Project1, LLC	IPP	FFP - NY Urbanski	NY	67281	5653B	5.2	Batteries	MWH	BA
2024	5	66148	FFP NY Goshen Project2, LLC	IPP	FFP - NY Varano	NY	67282	5654B	5.0	Batteries	MWH	BA
2024	5	66071	Franklin Solar Idaho	IPP	Franklin Solar Hybrid	ID	67190	FRKLN	100.0	Solar Photovoltaic	SUN	PV
2024	5	61194	Generate Capital	IPP	Cedarville (IL)	IL	67554	11069	2.0	Solar Photovoltaic	SUN	PV
2024	5	61194	Generate Capital	IPP	County Route 11B	NY	67631	10983	4.9	Solar Photovoltaic	SUN	PV
2024	5	63841	Hadley 3 Solar, LLC (North)	IPP	Hadley 3 Solar (North)	MA	64231	09170	1.0	Batteries	MWH	BA
2024	5	62153	Hecate Energy Highland LLC	IPP	Hecate Energy Highland LLC	OH	62670	HIGHL	300.0	Solar Photovoltaic	SUN	PV
2024	5	63638	Horseshoe Solar, LLC	IPP	Horseshoe Solar, LLC	UT	63984	HSS	75.0	Solar Photovoltaic	SUN	PV
2024	5	9417	Interstate Power and Light Co	Electric Utility	Fareway Customer Hosted 1 MW Solar	IA	67096	PV1	1.0	Solar Photovoltaic	SUN	PV
2024	5	9417	Interstate Power and Light Co	Electric Utility	ISU Customer Hosted 1MW Solar Project	IA	67098	PV1	1.4	Solar Photovoltaic	SUN	PV
2024	5	65006	Linkville Solar, LLC	IPP	Linkville Solar (CSG)	OR	65749	LS22	2.8	Solar Photovoltaic	SUN	PV
2024	5	56990	NJR Clean Energy Ventures Corporation	IPP	Love Lane Solar	NJ	65486	LOVLN	1.8	Solar Photovoltaic	SUN	PV
2024	5	65770	NY USLE Copenhagen CR194 LLC	IPP	Copenhagen Solar	NY	66817	COPE	4.3	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	5	13407	Nevada Power Co	Electric Utility	Dry Lake Solar Energy Center	NV	63933	DLES1	100.0	Batteries	MWH	BA
2024	5	13407	Nevada Power Co	Electric Utility	Dry Lake Solar Energy Center	NV	63933	DLPV1	150.0	Solar Photovoltaic	SUN	PV
2024	5	65796	North Fork Solar Project, LLC	IPP	North Fork Solar Project	OK	66866	NFORK	120.0	Solar Photovoltaic	SUN	PV
2024	5	64582	OE_MS6	IPP	OE_MS6	MS	65291	MS6_S	50.0	Batteries	MWH	BA
2024	5	64582	OE_MS6	IPP	OE_MS6	MS	65291	OEMS6	150.0	Solar Photovoltaic	SUN	PV
2024	5	64743	PPM Solar LLC	IPP	Fredonia Solar (KS)	KS	66570	FS1	2.0	Solar Photovoltaic	SUN	PV
2024	5	64743	PPM Solar LLC	IPP	Highpeak Solar 1	TX	66572	HPK1	10.0	Solar Photovoltaic	SUN	PV
2024	5	65539	Pivot Energy	IPP	Kankakee Solar 1	IL	68059	KANK1	2.0	Solar Photovoltaic	SUN	PV
2024	5	65539	Pivot Energy	IPP	Marion Solar 4b LLC	IL	68049	MS4B	2.0	Solar Photovoltaic	SUN	PV
2024	5	65539	Pivot Energy	IPP	Putnam Solar 1	IL	68050	PUT1	2.0	Solar Photovoltaic	SUN	PV
2024	5	16534	Sacramento Municipal Util Dist	Electric Utility	Solano Wind	CA	7526	4	85.5	Onshore Wind Turbine	WND	WT
2024	5	65418	Sierra Estrella Energy Storage, LLC	IPP	Sierra Estrella Energy Storage	AZ	66334	BESS3	250.0	Batteries	MWH	BA
2024	5	66353	Solar DG IL 2, LLC	IPP	Plote Somonauk	IL	67753	PV1	2.0	Solar Photovoltaic	SUN	PV
2024	5	66267	Solar DG IL 4, LLC	IPP	Whiskey Acres	IL	67720	PV1	2.0	Solar Photovoltaic	SUN	PV
2024	5	66268	Solar DG IL 5, LLC	IPP	Bourbonnais	IL	67569	PV1	1.7	Solar Photovoltaic	SUN	PV
2024	5	66050	Solar Star Prime 4 LLC	IPP	Amazon SAN3 Solar Project	CA	67170	ASBA	2.4	Batteries	MWH	BA
2024	5	66050	Solar Star Prime 4 LLC	IPP	Amazon SAN3 Solar Project	CA	67170	ASSP	4.6	Solar Photovoltaic	SUN	PV
2024	5	56826	Texas Medical Center Central	Commercial	TECO CHP-1	TX	57504	GTG2	50.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	5	65123	Tres Bahias Solar Power, LLC	IPP	Tres Bahias	TX	65947	TB	196.3	Solar Photovoltaic	SUN	PV
2024	5	19499	United Power, Inc	Electric Utility	Keenesburg Battery Storage	CO	67306	KEEBA	11.8	Batteries	MWH	BA
2024	5	19499	United Power, Inc	Electric Utility	Mead Battery Storage	CO	67303	MEABA	7.8	Batteries	MWH	BA
2024	5	19499	United Power, Inc	Electric Utility	Parkway Battery Storage	CO	67301	PKWBA	7.8	Batteries	MWH	BA
2024	5	19499	United Power, Inc	Electric Utility	Rattlesnake Ridge Battery Storage	CO	67300	RATBA	11.8	Batteries	MWH	BA
2024	5	65173	United States Solar Corporation	IPP	Spring Prairie Solar LLC CSG	MN	66972	SPRPR	1.0	Solar Photovoltaic	SUN	PV
2024	5	65173	United States Solar Corporation	IPP	USS Fruita Solar LLC CSG	CO	66432	USGBS	2.0	Solar Photovoltaic	SUN	PV
2024	5	64966	Vikings Energy Farm, LLC	IPP	Vikings Energy Farm	CA	65711	GEN2	150.0	Batteries	MWH	BA
2024	5	20856	Wisconsin Power & Light Co	Electric Utility	Grant County	WI	65007	PV1	200.0	Solar Photovoltaic	SUN	PV
2024	5	65968	Yellow Pine Solar II, LLC	IPP	Yellow Pine II	NV	67091	YP2AB	53.0	Batteries	MWH	BA
2024	5	65968	Yellow Pine Solar II, LLC	IPP	Yellow Pine II	NV	67091	YP2AP	60.0	Solar Photovoltaic	SUN	PV
2024	5	65968	Yellow Pine Solar II, LLC	IPP	Yellow Pine II	NV	67091	YP2BB	32.0	Batteries	MWH	BA
2024	6	66410	127 CVF, LLC	IPP	Costa View Farms	CA	67835	64544	10.0	Solar Photovoltaic	SUN	PV
2024	6	64904	AES Clean Energy	IPP	Cannonball Solar (CSG)	MD	66867	CBALL	2.0	Solar Photovoltaic	SUN	PV
2024	6	64904	AES Clean Energy	IPP	Cavalier Solar	VA	67420	CAVPV	155.6	Solar Photovoltaic	SUN	PV
2024	6	64529	ASA Gouverneur NY Solar I LLC	IPP	ASA Gouverneur NY Solar I LLC	NY	65157	GOV1	1.5	Solar Photovoltaic	SUN	PV
2024	6	40577	American Mun Power-Ohio, Inc	Electric Utility	Mifflinburg PA BTM	PA	66452	PB1	2.7	Petroleum Liquids	DFO	IC
2024	6	40577	American Mun Power-Ohio, Inc	Electric Utility	Mifflinburg PA BTM	PA	66452	PB2	2.7	Petroleum Liquids	DFO	IC
2024	6	66110	Anemoi Energy Storage, LLC	IPP	Anemoi Energy Storage	TX	67236	ANEM1	200.0	Batteries	MWH	BA
2024	6	796	Arizona Electric Pwr Coop Inc	Electric Utility	Mesquite Solar	AZ	60964	AEPB1	10.0	Batteries	MWH	BA
2024	6	13948	City of Oberlin - (KS)	Electric Utility	Oberlin (KS)	KS	1312	7	3.0	Petroleum Liquids	DFO	IC
2024	6	13948	City of Oberlin - (KS)	Electric Utility	Oberlin (KS)	KS	1312	8	3.0	Petroleum Liquids	DFO	IC
2024	6	20141	City of Washington - (KS)	Electric Utility	Washington	KS	1329	10	2.0	Natural Gas Internal Combustion Engine	NG	IC
2024	6	20141	City of Washington - (KS)	Electric Utility	Washington	KS	1329	9	2.0	Natural Gas Internal Combustion Engine	NG	IC
2024	6	65965	Crow Creek Solar, LLC	IPP	Paulsell	CA	67092	PSLBA	15.0	Batteries	MWH	BA
2024	6	65965	Crow Creek Solar, LLC	IPP	Paulsell	CA	67092	PSLPV	20.0	Solar Photovoltaic	SUN	PV
2024	6	65677	Dimension Energy LLC	IPP	Halifax CSG LLC	VA	67933	HALIF	3.1	Solar Photovoltaic	SUN	PV
2024	6	6455	Duke Energy Florida, LLC	Electric Utility	Falmouth Renewable Energy Center	FL	66639	PV1	74.9	Solar Photovoltaic	SUN	PV
2024	6	3046	Duke Energy Progress - (NC)	Electric Utility	Woodfin Solar	NC	64882	PV1	5.0	Solar Photovoltaic	SUN	PV
2024	6	61785	EDP Renewables North America LLC	IPP	Scarlet Solar (CA)	CA	64908	GEN01	200.0	Solar Photovoltaic	SUN	PV
2024	6	61785	EDP Renewables North America LLC	IPP	Scarlet Solar (CA)	CA	64908	GEN02	40.0	Batteries	MWH	BA
2024	6	66111	Ebony Energy Storage, LLC	IPP	Ebony Energy Storage	TX	67237	EBON1	200.0	Batteries	MWH	BA
2024	6	65368	Eleven Mile Solar Center, LLC	IPP	Eleven Mile Solar Center	AZ	66263	1111	300.0	Solar Photovoltaic	SUN	PV
2024	6	65368	Eleven Mile Solar Center, LLC	IPP	Eleven Mile Solar Center	AZ	66263	2222	300.0	Batteries	MWH	BA
2024	6	66282	Frankfort Solar Farm LLC	IPP	Ny Frankfort Bleecker St - Frankfort -NG	NY	67585	21015	4.0	Solar Photovoltaic	SUN	PV
2024	6	65720	Fresno Community Solar Developers, LLC	IPP	Fresno Community Solar	CA	66715	FREPV	10.0	Solar Photovoltaic	SUN	PV
2024	6	61194	Generate Capital	IPP	Trenton East	IL	67626	11060	2.0	Solar Photovoltaic	SUN	PV
2024	6	61194	Generate Capital	IPP	Trenton West	IL	67627	11061	2.0	Solar Photovoltaic	SUN	PV
2024	6	65218	Glover Creek Solar, LLC	IPP	Glover Creek Solar, LLC	KY	66047	GLOVE	55.0	Solar Photovoltaic	SUN	PV
2024	6	65076	HEN Infrastructure, L.L.C.	IPP	Mainland	TX	67494	MLNDB	9.9	Batteries	MWH	BA
2024	6	65076	HEN Infrastructure, L.L.C.	IPP	Weil Tract BESS	TX	66783	WEILT	9.9	Batteries	MWH	BA
2024	6	63837	Hecate Energy Frye Solar LLC	IPP	Hecate Energy Frye Solar LLC	TX	64233	80995	500.0	Solar Photovoltaic	SUN	PV
2024	6	65953	Heimlich Solar Partners LLC	IPP	Heimlich Solar	DE	67074	METER	4.3	Solar Photovoltaic	SUN	PV
2024	6	66199	Hopkins Energy LLC	IPP	Hopkins Energy LLC	TX	67424	HOPKS	250.0	Solar Photovoltaic	SUN	PV
2024	6	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Cottontail Solar 1	PA	65076	PACT1	20.0	Solar Photovoltaic	SUN	PV

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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	6	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Honeysuckle Solar Farm	IN	65936	INHS1	150.0	Solar Photovoltaic	SUN	PV
2024	6	64925	MA CS Dighton, LLC	IPP	MA-Dighton-A	MA	65646	MADIG	3.8	Solar Photovoltaic	SUN	PV
2024	6	65956	ME Sandy River LLC	IPP	15 Glen Harris RD	ME	67032	20261	3.6	Solar Photovoltaic	SUN	PV
2024	6	66119	Mesa Wind Repower	IPP	Mesa Wind Repower	CA	67247	MESA	30.0	Onshore Wind Turbine	WND	WT
2024	6	66290	NSF Energy One LLC	IPP	NSF Aurelius Site 1 LLC	NY	67592	PV1	5.0	Solar Photovoltaic	SUN	PV
2024	6	66290	NSF Energy One LLC	IPP	NSF Aurelius Site 2, LLC	NY	67593	PV1	5.0	Solar Photovoltaic	SUN	PV
2024	6	66290	NSF Energy One LLC	IPP	NSF Aurelius Site 3 LLC	NY	67594	PV1	5.0	Solar Photovoltaic	SUN	PV
2024	6	66290	NSF Energy One LLC	IPP	NSF Aurelius Site 4 LLC	NY	67595	PV1	4.9	Solar Photovoltaic	SUN	PV
2024	6	62759	National Grid Renewables	IPP	Wild Springs	SD	67018	WLDSP	128.0	Solar Photovoltaic	SUN	PV
2024	6	61227	Nautilus Solar Solutions	IPP	Peterboro (CSG)	NY	67440	SC	4.0	Solar Photovoltaic	SUN	PV
2024	6	65550	Nova Power, LLC	IPP	Menifee Power Bank	CA	66494	NOVA1	230.0	Batteries	MWH	BA
2024	6	65816	OE_ESCL	IPP	OE_ESCL	NM	66888	OESCL	200.0	Solar Photovoltaic	SUN	PV
2024	6	65539	Pivot Energy	IPP	Putnam Solar 1B	IL	68051	PUT1B	2.0	Solar Photovoltaic	SUN	PV
2024	6	63082	ProEnergy Services	IPP	Remy Jade Power Station	TX	66604	CTG-1	44.5	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	63082	ProEnergy Services	IPP	Remy Jade Power Station	TX	66604	CTG-2	44.5	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	63082	ProEnergy Services	IPP	Remy Jade Power Station	TX	66604	CTG-3	44.5	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	63082	ProEnergy Services	IPP	Remy Jade Power Station	TX	66604	CTG-4	44.5	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	63082	ProEnergy Services	IPP	Remy Jade Power Station	TX	66604	CTG-5	44.5	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	63082	ProEnergy Services	IPP	Remy Jade Power Station	TX	66604	CTG-6	44.5	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	65394	Proxima Solar, LLC	IPP	Proxima	CA	66270	PRXMA	190.0	Solar Photovoltaic	SUN	PV
2024	6	66212	RA Jones	IPP	RA Jones Roof Mounted Solar System	KY	67473	RAJPV	1.3	Solar Photovoltaic	SUN	PV
2024	6	65951	Randolf Solar Partners LLC	IPP	Randolf Solar	VA	67028	METER	2.6	Solar Photovoltaic	SUN	PV
2024	6	64698	Renewable Solar, Inc	Industrial	River Ranch Dairy	CA	67603	18821	4.0	Solar Photovoltaic	SUN	PV
2024	6	64698	Renewable Solar, Inc	Industrial	Zonneveld Oak Grove	CA	67602	17444	1.5	Solar Photovoltaic	SUN	PV
2024	6	16572	Salt River Project	Electric Utility	Copper Crossing Energy and Research Cent	AZ	58413	CXGT1	47.5	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	16572	Salt River Project	Electric Utility	Copper Crossing Energy and Research Cent	AZ	58413	CXGT2	47.5	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	60531	Standard Solar	IPP	CUA West Campus - North (CSG)	DC	67709	CUAWN	3.0	Solar Photovoltaic	SUN	PV
2024	6	60531	Standard Solar	IPP	CUA West Campus - South (CSG)	DC	67707	CUAWS	2.8	Solar Photovoltaic	SUN	PV
2024	6	60531	Standard Solar	IPP	EDF Saucon Valley	DC	67708	EDFSV	2.6	Solar Photovoltaic	SUN	PV
2024	6	65380	Steel Solar, LLC	IPP	Steel Solar LLC	UT	66267	SS8	80.0	Solar Photovoltaic	SUN	PV
2024	6	66151	Sun Streams PVS, LLC	IPP	Sun Streams 3	AZ	67285	GEN01	215.0	Solar Photovoltaic	SUN	PV
2024	6	66151	Sun Streams PVS, LLC	IPP	Sun Streams 3	AZ	67285	GEN02	215.0	Batteries	MWH	BA
2024	6	65209	TPE RI WA1, LLC	IPP	TPE RI WA1 Solar	RI	66045	70825	3.5	Solar Photovoltaic	SUN	PV
2024	6	65208	TPE RI WA2, LLC	IPP	TPE RI WA2 Solar	RI	66044	70824	3.4	Solar Photovoltaic	SUN	PV
2024	6	19499	United Power, Inc	Electric Utility	Bromley Battery Storage	CO	67305	BROBA	11.8	Batteries	MWH	BA
2024	7	64532	ASA Clayton NY Solar I LLC	IPP	ASA Clayton NY Solar I LLC	NY	65161	CLA1	1.3	Solar Photovoltaic	SUN	PV
2024	7	221	Alaska Village Elec Coop, Inc	Electric Utility	Bethel	AK	65666	7A	0.3	Petroleum Liquids	DFO	IC
2024	7	65280	Babbitt Ranch Energy Center, LLC	IPP	Babbitt Ranch Energy Center	AZ	66110	BREC1	163.0	Onshore Wind Turbine	WND	WT
2024	7	65674	Bear Canyon Energy Storage	IPP	Bear Canyon	CA	66650	BC1	13.0	Batteries	MWH	BA
2024	7	65949	Bravo REC Management LLC	Industrial	Dixie Creek Dairy Solar	CA	67820	DXCRK	2.9	Solar Photovoltaic	SUN	PV
2024	7	65949	Bravo REC Management LLC	Industrial	Open Sky Ranch Inc	CA	67793	OPSKY	1.7	Solar Photovoltaic	SUN	PV
2024	7	66200	Century Oak Wind Project, LLC	IPP	Century Oak Wind Project, LLC	TX	67425	COAKW	151.5	Onshore Wind Turbine	WND	WT
2024	7	17845	City of Springville - (UT)	Electric Utility	Whitehead	UT	7028	K3CAT	2.5	Natural Gas Internal Combustion Engine	NG	IC
2024	7	17845	City of Springville - (UT)	Electric Utility	Whitehead	UT	7028	K4CAT	2.5	Natural Gas Internal Combustion Engine	NG	IC
2024	7	17845	City of Springville - (UT)	Electric Utility	Whitehead	UT	7028	K5CAT	2.5	Natural Gas Internal Combustion Engine	NG	IC
2024	7	65361	Cutlass II Solar LLC	IPP	Cutlass Solar II	TX	66262	SAREN	200.0	Solar Photovoltaic	SUN	PV
2024	7	65960	DG Empire Sun, LLC	IPP	NY Avon I CSG	NY	67045	AVON1	5.0	Solar Photovoltaic	SUN	PV
2024	7	66285	DSI Don Solar LLC	IPP	DSI Don Solar	MN	67588	DSID	1.0	Solar Photovoltaic	SUN	PV
2024	7	64872	Distributed Solar Development, LLC	IPP	FFP - NY Burch CSG	NY	66827	P5651	2.5	Solar Photovoltaic	SUN	PV
2024	7	58468	Dominion Renewable Energy	Electric Utility	Springfield Solar	VA	65317	SPRG	2.0	Solar Photovoltaic	SUN	PV
2024	7	65502	Five Wells Solar Center, LLC	IPP	Five Wells Solar Center - Hybrid	TX	66420	FWBAT	259.0	Batteries	MWH	BA
2024	7	7140	Georgia Power Co	Electric Utility	McIntosh Solar	GA	67864	1	10.0	Solar Photovoltaic	SUN	PV
2024	7	60025	Greenbacker Renewable Energy Corporation	IPP	Holtville	CA	67695	823	30.0	Batteries	MWH	BA
2024	7	9417	Interstate Power and Light Co	Electric Utility	Hy-Vee Customer Hosted 2.25MW Solar	IA	67097	PV1	2.3	Solar Photovoltaic	SUN	PV
2024	7	9417	Interstate Power and Light Co	Electric Utility	Perry Customer Hosted 1MW Solar Project	IA	67099	PV1	1.0	Solar Photovoltaic	SUN	PV
2024	7	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Oxbow Solar 1	LA	65030	LAVE1	300.0	Solar Photovoltaic	SUN	PV
2024	7	11806	Massachusetts Mun Wholes Electric Co	Electric Utility	MMWEC Simple Cycle Gas Turbine	MA	63559	GT1	57.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	7	12303	Merck & Co Inc-West Point	Industrial	West Point (PA)	PA	52149	GEN20	2.0	Natural Gas Internal Combustion Engine	NG	IC
2024	7	12199	Montana-Dakota Utilities Co	Electric Utility	R M Heskett	ND	2790	4	88.4	Natural Gas Fired Combustion Turbine	NG	GT
2024	7	13407	Nevada Power Co	Electric Utility	Silverhawk	NV	55841	CT3	222.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	7	13407	Nevada Power Co	Electric Utility	Silverhawk	NV	55841	CT4	222.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	7	56815	NorthWestern Energy (MT wind/thermal)	Electric Utility	Yellowstone County Generating Station	MT	67766	YGS01	9.2	Natural Gas Internal Combustion Engine	NG	IC
2024	7	56815	NorthWestern Energy (MT wind/thermal)	Electric Utility	Yellowstone County Generating Station	MT	67766	YGS02	9.2	Natural Gas Internal Combustion Engine	NG	IC

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	7	56815	NorthWestern Energy (MT wind/thermal)	Electric Utility	Yellowstone County Generating Station	MT	67766	YGS03	9.2	Natural Gas Internal Combustion Engine	NG	IC
2024	7	56815	NorthWestern Energy (MT wind/thermal)	Electric Utility	Yellowstone County Generating Station	MT	67766	YGS04	9.2	Natural Gas Internal Combustion Engine	NG	IC
2024	7	56815	NorthWestern Energy (MT wind/thermal)	Electric Utility	Yellowstone County Generating Station	MT	67766	YGS05	9.2	Natural Gas Internal Combustion Engine	NG	IC
2024	7	56815	NorthWestern Energy (MT wind/thermal)	Electric Utility	Yellowstone County Generating Station	MT	67766	YGS06	9.2	Natural Gas Internal Combustion Engine	NG	IC
2024	7	56815	NorthWestern Energy (MT wind/thermal)	Electric Utility	Yellowstone County Generating Station	MT	67766	YGS07	9.2	Natural Gas Internal Combustion Engine	NG	IC
2024	7	56815	NorthWestern Energy (MT wind/thermal)	Electric Utility	Yellowstone County Generating Station	MT	67766	YGS08	9.2	Natural Gas Internal Combustion Engine	NG	IC
2024	7	56815	NorthWestern Energy (MT wind/thermal)	Electric Utility	Yellowstone County Generating Station	MT	67766	YGS09	9.2	Natural Gas Internal Combustion Engine	NG	IC
2024	7	56815	NorthWestern Energy (MT wind/thermal)	Electric Utility	Yellowstone County Generating Station	MT	67766	YGS10	9.2	Natural Gas Internal Combustion Engine	NG	IC
2024	7	56815	NorthWestern Energy (MT wind/thermal)	Electric Utility	Yellowstone County Generating Station	MT	67766	YGS11	9.2	Natural Gas Internal Combustion Engine	NG	IC
2024	7	56815	NorthWestern Energy (MT wind/thermal)	Electric Utility	Yellowstone County Generating Station	MT	67766	YGS12	9.2	Natural Gas Internal Combustion Engine	NG	IC
2024	7	56815	NorthWestern Energy (MT wind/thermal)	Electric Utility	Yellowstone County Generating Station	MT	67766	YGS13	9.2	Natural Gas Internal Combustion Engine	NG	IC
2024	7	56815	NorthWestern Energy (MT wind/thermal)	Electric Utility	Yellowstone County Generating Station	MT	67766	YGS14	9.2	Natural Gas Internal Combustion Engine	NG	IC
2024	7	56815	NorthWestern Energy (MT wind/thermal)	Electric Utility	Yellowstone County Generating Station	MT	67766	YGS15	9.2	Natural Gas Internal Combustion Engine	NG	IC
2024	7	56815	NorthWestern Energy (MT wind/thermal)	Electric Utility	Yellowstone County Generating Station	MT	67766	YGS16	9.2	Natural Gas Internal Combustion Engine	NG	IC
2024	7	56815	NorthWestern Energy (MT wind/thermal)	Electric Utility	Yellowstone County Generating Station	MT	67766	YGS17	9.2	Natural Gas Internal Combustion Engine	NG	IC
2024	7	56815	NorthWestern Energy (MT wind/thermal)	Electric Utility	Yellowstone County Generating Station	MT	67766	YGS18	9.2	Natural Gas Internal Combustion Engine	NG	IC
2024	7	65550	Nova Power, LLC	IPP	Menifee Power Bank	CA	66494	NOVA2	230.0	Batteries	MWH	BA
2024	7	66027	Orsted Wind Power North America LLC	IPP	South Fork Wind	NY	65561	SFWND	130.0	Offshore Wind Turbine	WND	WS
2024	7	65347	Pearl River Solar Park, LLC	IPP	Pearl River Solar Park LLC	MS	66239	GEN01	175.0	Solar Photovoltaic	SUN	PV
2024	7	65869	Prologis Logistics Services Incorporated	IPP	IPC 25 Solar	CA	67069	CV525	2.4	Solar Photovoltaic	SUN	PV
2024	7	66335	REV Renewables LLC	IPP	Capon Bridge Solar LLC	WV	67694	CPS01	20.0	Solar Photovoltaic	SUN	PV
2024	7	66194	RPNY Solar 4, LLC	IPP	Clemons Road Solar	NY	67407	CLEM	2.8	Solar Photovoltaic	SUN	PV
2024	7	66195	RPNY Solar 6, LLC	IPP	Pike Road Solar (NY)	NY	67408	PIKE	3.0	Solar Photovoltaic	SUN	PV
2024	7	66196	RPNY Solar 7, LLC	IPP	Alexander Road Solar	NY	67409	ALEX	1.6	Solar Photovoltaic	SUN	PV
2024	7	65826	Roadrunner Crossing Wind Farm, LLC	IPP	Roadrunner Wind Farm	TX	66902	5317	256.0	Onshore Wind Turbine	WND	WT
2024	7	66010	SR Panola I, LLC	IPP	SR Panola I, LLC	MS	67132	PANO1	4.8	Solar Photovoltaic	SUN	PV
2024	7	66008	SR Panola II, LLC	IPP	SR Panola II, LLC	MS	67130	PANO2	4.8	Solar Photovoltaic	SUN	PV
2024	7	66284	SV CSG Afton I, LLC	IPP	SV CSG AFTON I	MN	67587	SVA	1.0	Solar Photovoltaic	SUN	PV
2024	7	64994	SolRiver Capital LLC	IPP	Elk Solar LLC	NC	66345	PV1	5.0	Solar Photovoltaic	SUN	PV
2024	7	64994	SolRiver Capital LLC	IPP	Green Solar LLC (CSG)	OR	66349	PV1	2.9	Solar Photovoltaic	SUN	PV
2024	7	65419	Superstition Energy Storage, LLC	IPP	Superstition Energy Storage	AZ	66333	BESS4	90.0	Batteries	MWH	BA
2024	7	66218	TAI Huntsville Solar, LLC	IPP	TAI Huntsville Solar Hybrid	AL	67488	PV1	32.4	Solar Photovoltaic	SUN	PV
2024	7	61950	Terra-Gen Operating Co-Solar	IPP	Lockhart ESS, LLC	CA	66946	LHESS	45.0	Batteries	MWH	BA
2024	7	65863	Three Corners Solar, LLC	IPP	Three Corners Solar	ME	66955	18099	110.0	Solar Photovoltaic	SUN	PV
2024	7	65685	Tumbleweed Energy Storage, LLC	IPP	Tumbleweed Energy Storage	CA	66666	TWES1	50.0	Batteries	MWH	BA
2024	7	19499	United Power, Inc	Electric Utility	Platte Valley Battery Storage	CO	67307	PLVBA	7.8	Batteries	MWH	BA
2024	7	65675	West Ford Flat Energy Storage	IPP	West Ford Flat	CA	66669	WFF1	25.0	Batteries	MWH	BA
2024	7	65968	Yellow Pine Solar II, LLC	IPP	Yellow Pine II	NV	67091	YP2BP	65.0	Solar Photovoltaic	SUN	PV
2024	8	65600	AP Sunray LLC	IPP	AP Sunray LLC	TX	64258	OCISR	200.0	Solar Photovoltaic	SUN	PV
2024	8	64446	ASD Cotuit MA Solar LLC	IPP	ASD Cotuit MA Solar LLC	MA	65014	COT1B	2.5	Batteries	MWH	BA
2024	8	63784	Azure Sky Wind Project, LLC	IPP	Azure Sky Wind Project, LLC Hybrid	TX	64164	ASWWT	350.2	Onshore Wind Turbine	WND	WT
2024	8	65788	Ben Milam Solar 1 LLC	IPP	Orion I Solar Project	TX	66859	ORN1	200.0	Solar Photovoltaic	SUN	PV
2024	8	65782	Ben Milam Solar 3 LLC	IPP	Orion III Solar Project	TX	66821	ORN3	250.0	Solar Photovoltaic	SUN	PV
2024	8	66331	Birch Creek Power, LLC	IPP	Altona Solar, LLC	MO	66628	PV	30.0	Solar Photovoltaic	SUN	PV
2024	8	66481	Bodhi Solar, LLC	IPP	Bodhi Solar	NY	67932	BODHI	5.0	Solar Photovoltaic	SUN	PV
2024	8	65765	Borden County Battery Energy Storage System LLC	IPP	Borden County BESS	TX	66804	1	150.0	Batteries	MWH	BA
2024	8	65949	Bravo REC Management LLC	Industrial	TWC	CA	67863	TWC	1.2	Solar Photovoltaic	SUN	PV
2024	8	65643	Cald BESS LLC	IPP	Cald BESS	CA	66617	1	100.0	Batteries	MWH	BA
2024	8	65428	Callisto I Energy Center	IPP	Callisto I Energy Center	TX	66338	CALL1	200.0	Batteries	MWH	BA
2024	8	66208	Camco International Group, Inc.	IPP	West Point RNG	ID	67436	WPRG	3.2	Other Waste Biomass	OBG	IC
2024	8	66174	Carvers Creek, LLC	IPP	Carvers Creek Solar	VA	67342	CARV	54.9	Solar Photovoltaic	SUN	PV
2024	8	6455	Duke Energy Florida, LLC	Electric Utility	County Line Renewable Energy Center	FL	67049	PV1	74.9	Solar Photovoltaic	SUN	PV
2024	8	58970	Ecoplexus, Inc	IPP	Camp San Luis Obispo	CA	63870	CPSLO	1.2	Solar Photovoltaic	SUN	PV
2024	8	61194	Generate Capital	IPP	Dakota Solar 1, LLC	IL	67614	11113	2.0	Solar Photovoltaic	SUN	PV
2024	8	61194	Generate Capital	IPP	Krumkill Road Solar North, LLC	NY	67615	11086	5.0	Solar Photovoltaic	SUN	PV
2024	8	61194	Generate Capital	IPP	Krumkill Road Solar South, LLC	NY	67616	11087	3.8	Solar Photovoltaic	SUN	PV
2024	8	61194	Generate Capital	IPP	Trinity Freepport	IL	67628	11057	2.0	Solar Photovoltaic	SUN	PV
2024	8	66433	Giga Texas Energy LLC	IPP	GFTX BESS	TX	67860	GFTX	125.0	Batteries	MWH	BA
2024	8	60025	Greenbacker Renewable Energy Corporation	IPP	IGS OXR1	CA	66603	454	4.8	Solar Photovoltaic	SUN	PV
2024	8	60025	Greenbacker Renewable Energy Corporation	IPP	Ledgeview	WI	67056	708	5.0	Solar Photovoltaic	SUN	PV
2024	8	66067	Groton BESS 1 LLC	IPP	Groton BESS 1	MA	67185	90911	2.0	Batteries	MWH	BA
2024	8	66033	Groton BESS 2 LLC	IPP	Groton BESS 2	MA	67162	90910	2.0	Batteries	MWH	BA
2024	8	65650	Harvest Gold Solar Power, LLC	IPP	Harvest Gold Solar	MS	66623	HGS	99.0	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	8	65016	High River Energy Center, LLC	IPP	High River Energy Center, LLC	NY	65765	HR01	90.0	Solar Photovoltaic	SUN	PV
2024	8	66068	Holden BESS 1 LLC	IPP	Holden BESS 1	MA	67186	90913	5.0	Batteries	MWH	BA
2024	8	65281	Horus Louisiana 1, LLC	IPP	Elizabeth Solar Plant	LA	66111	US199	125.0	Solar Photovoltaic	SUN	PV
2024	8	63289	Key Capture Energy	IPP	TX15 Limousin Oak Storage	TX	65698	TX15	100.0	Batteries	MWH	BA
2024	8	65277	Leyline Renewable Capital	IPP	HCE Reams Solar, LLC	VA	66120	REAMS	5.0	Solar Photovoltaic	SUN	PV
2024	8	65277	Leyline Renewable Capital	IPP	HCE Roark Mill Solar, LLC	VA	66122	RKML	3.2	Solar Photovoltaic	SUN	PV
2024	8	12303	Merck & Co Inc-West Point	Industrial	West Point (PA)	PA	52149	GEN18	2.5	Natural Gas Internal Combustion Engine	NG	IC
2024	8	61227	Nautilus Solar Solutions	IPP	Beech Road (CSG)	MD	67405	SC	3.0	Solar Photovoltaic	SUN	PV
2024	8	61227	Nautilus Solar Solutions	IPP	Brewer (CSG)	ME	67499	SC	5.0	Solar Photovoltaic	SUN	PV
2024	8	65550	Nova Power, LLC	IPP	Menifee Power Bank	CA	66494	NOVA3	50.0	Batteries	MWH	BA
2024	8	65935	Preston Garden LLC	IPP	Preston Garden (CSG)	MN	67009	PRSTN	1.0	Solar Photovoltaic	SUN	PV
2024	8	63359	REA Investments, LLC	IPP	Sheridan Road Solar Farm	ME	67944	SHDAN	3.0	Solar Photovoltaic	SUN	PV
2024	8	65958	SL Sherman, LLC	IPP	NY SHERMAN 176 W MAIN ST - SL 1	NY	67034	21104	4.7	Solar Photovoltaic	SUN	PV
2024	8	65954	Small Mouth Bass Solar Partners LLC	IPP	Small Mouth Bass Solar	VA	67072	METER	2.4	Solar Photovoltaic	SUN	PV
2024	8	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
2024	8	65552	Terra-Gen Operating Co-BESS 2	IPP	Beaumont BESS	CA	66461	GEN1	100.0	Batteries	MWH	BA
2024	8	65685	Tumbleweed Energy Storage, LLC	IPP	Tumbleweed Energy Storage	CA	66666	TWES2	75.0	Batteries	MWH	BA
2024	8	19499	United Power, Inc	Electric Utility	Davis Battery Storage	CO	67304	DAVBA	11.8	Batteries	MWH	BA
2024	8	65173	United States Solar Corporation	IPP	MN East Regal LLC (CSG)	MN	66973	MNERL	1.0	Solar Photovoltaic	SUN	PV
2024	8	65173	United States Solar Corporation	IPP	USS Rosewood Solar LLC (CSG)	MN	67547	USRSW	1.0	Solar Photovoltaic	SUN	PV
2024	8	65173	United States Solar Corporation	IPP	USS Slayton Solar LLC (CSG)	MN	67548	USSLY	1.0	Solar Photovoltaic	SUN	PV
2024	9	64904	AES Clean Energy	IPP	Madison Solar	VA	66316	MDSO	62.5	Solar Photovoltaic	SUN	PV
2024	9	64904	AES Clean Energy	IPP	Northline Solar CSG	NY	66449	NORTH	4.0	Solar Photovoltaic	SUN	PV
2024	9	57416	Acciona Energy USA Global, LLC	IPP	Red Tailed Hawk Solar LLC	TX	66157	GEN1	350.0	Solar Photovoltaic	SUN	PV
2024	9	65118	AlphaStruxure Service Co LP	Commercial	Brookville Smart Bus Depot Microgrid	MD	65945	GEN2	0.6	Natural Gas Internal Combustion Engine	NG	IC
2024	9	65118	AlphaStruxure Service Co LP	Commercial	Brookville Smart Bus Depot Microgrid	MD	65945	GEN3	0.6	Natural Gas Internal Combustion Engine	NG	IC
2024	9	60281	Altus Power America Management, LLC	IPP	Dynamic - Enfield Hammett Road CSG	ME	67016	GEN1	4.9	Solar Photovoltaic	SUN	PV
2024	9	60281	Altus Power America Management, LLC	IPP	Dynamic - Exeter Solar CSG	ME	67015	GEN1	4.0	Solar Photovoltaic	SUN	PV
2024	9	65696	Brazos Bend BESS, LLC	IPP	Brazos Bend BESS, LLC	TX	66690	BEND	100.0	Batteries	MWH	BA
2024	9	65514	Catalyze Manteca 730 Spreckels Avenue Microgrid LLC	IPP	CA Manteca 730 Spreckels Ave	CA	66509	18259	1.5	Solar Photovoltaic	SUN	PV
2024	9	65514	Catalyze Manteca 730 Spreckels Avenue Microgrid LLC	IPP	CA Manteca 730 Spreckels Ave	CA	66509	B8259	1.5	Batteries	MWH	BA
2024	9	65780	Clearwater Wind III, LLC	IPP	Clearwater Wind III	MT	66811	CW3	100.0	Onshore Wind Turbine	WND	WT
2024	9	62161	Cubico USA, LLC	IPP	Crossett Solar	AR	67915	CROSS	100.0	Solar Photovoltaic	SUN	PV
2024	9	61060	Cypress Creek Renewables	IPP	Breezewood	IL	67633	BREEZ	2.0	Solar Photovoltaic	SUN	PV
2024	9	61060	Cypress Creek Renewables	IPP	Galt	IL	67636	GALT	5.0	Solar Photovoltaic	SUN	PV
2024	9	64872	Distributed Solar Development, LLC	IPP	Harrah's Atlantic City - POI 2 (Self Par	NJ	66831	P5614	1.8	Solar Photovoltaic	SUN	PV
2024	9	65641	EnLink Processing Services, LLC	Industrial	Eunice LA Plant	LA	66615	STG01	4.6	Natural Gas Steam Turbine	NG	ST
2024	9	56201	Engie North America	IPP	Cascade Energy Storage, LLC	CA	61801	10002	25.0	Batteries	MWH	BA
2024	9	65774	Fence Post Solar Project, LLC	IPP	Fence Post Solar Hybrid Project, LLC	TX	66801	FNCBE	72.0	Batteries	MWH	BA
2024	9	65774	Fence Post Solar Project, LLC	IPP	Fence Post Solar Hybrid Project, LLC	TX	66801	FNCPT	236.0	Solar Photovoltaic	SUN	PV
2024	9	65076	HEN Infrastructure, L.L.C.	IPP	Falfurrias BESS	TX	66792	FALFU	9.9	Batteries	MWH	BA
2024	9	63109	Hales Mills Solar, LLC	IPP	Hales Mills Solar, LLC	NY	63339	09751	3.0	Batteries	MWH	BA
2024	9	65874	Liberty County Solar Project, LLC	IPP	Liberty County Solar Project	TX	67159	LIBCO	100.0	Solar Photovoltaic	SUN	PV
2024	9	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Cottontail Solar 4	PA	65079	PACT4	20.0	Solar Photovoltaic	SUN	PV
2024	9	65785	Luminace Sunbeam Development Holdings, LLC	IPP	ME Novel Lighthouse - Penobscot CSG	ME	66961	PENOB	3.0	Solar Photovoltaic	SUN	PV
2024	9	12320	Merck & Co Inc	Industrial	Elkton	VA	52148	GEN8	2.0	Natural Gas Internal Combustion Engine	NG	IC
2024	9	12796	Monongahela Power Co	Electric Utility	Rivesville Solar	WV	66900	RIVS	5.5	Solar Photovoltaic	SUN	PV
2024	9	62759	National Grid Renewables	IPP	Copperhead Solar, LLC	TX	67019	CHSLR	150.0	Solar Photovoltaic	SUN	PV
2024	9	62759	National Grid Renewables	IPP	Copperhead Solar, LLC	TX	67019	CHSTG	100.0	Batteries	MWH	BA
2024	9	61227	Nautilus Solar Solutions	IPP	Comfort CSG	NY	67406	SC	4.0	Solar Photovoltaic	SUN	PV
2024	9	49896	Nevada Gold Energy, LLC	IPP	TS Power Plant	NV	56224	SOL2	100.0	Solar Photovoltaic	SUN	PV
2024	9	65550	Nova Power, LLC	IPP	Menifee Power Bank	CA	66494	NOVA4	110.0	Batteries	MWH	BA
2024	9	66303	PFMD LL Jessup LLC	IPP	MD JESSUP 7950 OCEANO AVE	MD	67670	22337	1.5	Solar Photovoltaic	SUN	PV
2024	9	64743	PPM Solar LLC	IPP	BKV Ponder Solar 1	TX	66571	BKVP1	2.5	Solar Photovoltaic	SUN	PV
2024	9	65648	Prairie Mist Solar Project, LLC	IPP	Prairie Mist Solar	AR	66625	78661	100.0	Solar Photovoltaic	SUN	PV
2024	9	65857	Prescott Wind Energy LLC	IPP	Prescott Wind Farm	IA	66952	PWE	38.7	Onshore Wind Turbine	WND	WT
2024	9	56215	RWE Renewables Americas, LLC	IPP	Willowbrook Solar I, LLC	OH	63877	WBS	150.0	Solar Photovoltaic	SUN	PV
2024	9	65743	SR Russellville, LLC	IPP	SR Russellville	KY	66818	RUSVL	173.0	Solar Photovoltaic	SUN	PV
2024	9	66024	SR Toombs I, LLC	IPP	SR Toombs, LLC	GA	67127	TOOM1	250.0	Solar Photovoltaic	SUN	PV
2024	9	60217	San Bernardino Valley Mun. Water Dist.	Electric Utility	Waterman Turnout Hydroelectric	CA	60466	WTHF	1.0	Conventional Hydroelectric	WAT	HY
2024	9	60520	SoCore Energy LLC	IPP	Illinois PV Knox 1A	IL	67816	PV1	2.0	Solar Photovoltaic	SUN	PV
2024	9	60520	SoCore Energy LLC	IPP	Illinois PV Knox 1B	IL	67805	PV1	2.0	Solar Photovoltaic	SUN	PV
2024	9	17609	Southern California Edison Co	Electric Utility	Cadillac Battery Energy Storage Facility	CA	63326	CAD1	3.5	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
2024	9	17609	Southern California Edison Co	Electric Utility	Cathode (Hinson) BESS	CA	65457	CATH1	100.0	Batteries	MWH	BA
2024	9	17609	Southern California Edison Co	Electric Utility	Cathode (Hinson) BESS	CA	65457	CATH2	100.0	Batteries	MWH	BA
2024	9	17609	Southern California Edison Co	Electric Utility	Separator (Etiwanda) BESS	CA	65456	SEPAR	112.5	Batteries	MWH	BA
2024	9	17609	Southern California Edison Co	Electric Utility	Yorktown Battery Energy Storage Facility	CA	63325	YORK1	3.0	Batteries	MWH	BA
2024	9	66131	Surbrook Solar, LLC	IPP	Surbrook Solar, LLC	MI	67267	SUR10	20.0	Solar Photovoltaic	SUN	PV
2024	9	18454	Tampa Electric Co	Electric Utility	Dover Energy Storage	FL	67120	BESS1	15.0	Batteries	MWH	BA
2024	9	65552	Terra-Gen Operating Co-BESS 2	IPP	Sagebrush Solar 2 ESS 40	CA	66949	1	40.0	Batteries	MWH	BA
2024	9	65552	Terra-Gen Operating Co-BESS 2	IPP	Sagebrush Solar 2 ESS 59	CA	66950	1	59.0	Batteries	MWH	BA
2024	9	19499	United Power, Inc	Electric Utility	Frederick Battery Storage	CO	67302	FREBA	7.8	Batteries	MWH	BA
2024	9	66229	Walnut Bend Solar Station	Electric Utility	Walnut Bend Solar Station PV	AR	67504	WN1	100.0	Solar Photovoltaic	SUN	PV
2024	9	65875	Washington County Solar, LLC	IPP	Washington County Solar	GA	66990	WASH	150.0	Solar Photovoltaic	SUN	PV

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

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2024	1	3477	City of Chicopee - (MA)	Electric Utility	Chicopee Hydroelectric Station	MA	50832	1	1.2	Conventional Hydroelectric	WAT	HY
2024	1	3477	City of Chicopee - (MA)	Electric Utility	Chicopee Hydroelectric Station	MA	50832	2	1.2	Conventional Hydroelectric	WAT	HY
2024	1	57033	City of Palo Alto	Electric Utility	City of Palo Alto	CA	57714	GEN1	1.1	Natural Gas Internal Combustion Engine	NG	IC
2024	1	57033	City of Palo Alto	Electric Utility	City of Palo Alto	CA	57714	GEN2	1.1	Natural Gas Internal Combustion Engine	NG	IC
2024	1	57033	City of Palo Alto	Electric Utility	City of Palo Alto	CA	57714	GEN3	1.1	Natural Gas Internal Combustion Engine	NG	IC
2024	1	57033	City of Palo Alto	Electric Utility	City of Palo Alto	CA	57714	GEN4	1.1	Natural Gas Internal Combustion Engine	NG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E1	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E10	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E11	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E12	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E13	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E14	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E15	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E16	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E17	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E18	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E19	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E2	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E20	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E21	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E22	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E23	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E24	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E25	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E26	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E27	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E28	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E29	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E3	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E30	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E4	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E5	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E6	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E7	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E8	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E9	0.3	Landfill Gas	LFG	IC
2024	1	58183	J.R. Simplot Company	Industrial	J.R. Simplot Company	CA	58216	1	3.2	All Other	WH	ST
2024	1	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	1	21554	Seminole Electric Cooperative Inc	Electric Utility	Seminole (FL)	FL	136	1	626.0	Conventional Steam Coal	BIT	ST
2024	1	2144	Town of Braintree - (MA)	Electric Utility	Potter Station 2	MA	1660	CC2	62.6	Natural Gas Fired Combined Cycle	NG	CT
2024	1	2144	Town of Braintree - (MA)	Electric Utility	Potter Station 2	MA	1660	CC3	15.5	Natural Gas Fired Combined Cycle	NG	CA
2024	3	13143	Board of Water Electric & Communications	Electric Utility	Muscatine Plant #1	IA	1167	8A	14.5	Conventional Steam Coal	SUB	ST
2024	3	1278	City of Barron - (WI)	Electric Utility	Barron	WI	4102	7	0.6	Petroleum Liquids	DFO	IC
2024	3	17828	City of Springfield - (IL)	Electric Utility	Dallman	IL	963	3	159.0	Conventional Steam Coal	BIT	ST
2024	3	6035	Constellation Power, Inc	IPP	Southeast Chicago Energy Project	IL	55281	GT05	37.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	3	6035	Constellation Power, Inc	IPP	Southeast Chicago Energy Project	IL	55281	GT06	37.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	3	6035	Constellation Power, Inc	IPP	Southeast Chicago Energy Project	IL	55281	GT07	37.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	3	6035	Constellation Power, Inc	IPP	Southeast Chicago Energy Project	IL	55281	GT08	37.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	3	6035	Constellation Power, Inc	IPP	Southeast Chicago Energy Project	IL	55281	GT09	37.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	3	6035	Constellation Power, Inc	IPP	Southeast Chicago Energy Project	IL	55281	GT10	37.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	3	6035	Constellation Power, Inc	IPP	Southeast Chicago Energy Project	IL	55281	GT11	37.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	3	6035	Constellation Power, Inc	IPP	Southeast Chicago Energy Project	IL	55281	GT12	37.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	3	11241	Entergy Louisiana LLC	Electric Utility	Waterford 1 & 2	LA	8056	1	409.5	Natural Gas Steam Turbine	NG	ST
2024	3	57281	University of Cincinnati	Commercial	East Campus Utility Plant	OH	57929	STG	1.2	Natural Gas Steam Turbine	NG	ST
2024	4	3249	Central Hudson Gas & Elec Corp	Electric Utility	South Cairo	NY	2485	GT1	0.0	Petroleum Liquids	KER	GT
2024	4	59774	Crawfordsville Energy LLC	IPP	Crawfordsville Power Plant	IN	1024	D1	0.9	Petroleum Liquids	DFO	IC
2024	4	5347	Dow Chemical Co	Industrial	LaO Energy Systems	LA	52006	GEN1	57.0	Natural Gas Fired Combined Cycle	NG	CA
2024	4	5347	Dow Chemical Co	Industrial	LaO Energy Systems	LA	52006	GEN5	52.0	Natural Gas Fired Combined Cycle	NG	CT
2024	4	58615	NRG Homer City Services LLC	IPP	Homer City Generating Station	PA	3122	1	626.1	Conventional Steam Coal	BIT	ST

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	4	16899	SERRF Joint Powers Authority	Electric CHP	Southeast Resource Recovery	CA	50837	GEN1	28.0	Municipal Solid Waste	MSW	ST
2024	4	17609	Southern California Edison Co	Electric Utility	DESI-1 Battery Energy Storage Facility	CA	60699	DESI1	2.4	Batteries	MWH	BA
2024	5	221	Alaska Village Elec Coop, Inc	Electric Utility	Bethel	AK	6566	6	2.1	Petroleum Liquids	DFO	IC
2024	5	7443	City of Graettinger - (IA)	Electric Utility	Graettinger	IA	1142	4	0.5	Petroleum Liquids	DFO	IC
2024	5	13948	City of Oberlin - (KS)	Electric Utility	Oberlin (KS)	KS	1312	1	0.9	Petroleum Liquids	DFO	IC
2024	5	13948	City of Oberlin - (KS)	Electric Utility	Oberlin (KS)	KS	1312	2	0.6	Petroleum Liquids	DFO	IC
2024	5	13948	City of Oberlin - (KS)	Electric Utility	Oberlin (KS)	KS	1312	4	1.2	Petroleum Liquids	DFO	IC
2024	5	13948	City of Oberlin - (KS)	Electric Utility	Oberlin (KS)	KS	1312	5	1.3	Petroleum Liquids	DFO	IC
2024	5	13948	City of Oberlin - (KS)	Electric Utility	Oberlin (KS)	KS	1312	6	1.2	Petroleum Liquids	DFO	IC
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	29297	Pelican Utility	Electric Utility	Pelican	AK	6702	IC8	0.2	Petroleum Liquids	DFO	IC
2024	5	17697	Southwestern Electric Coop Inc - (IL)	Electric Utility	Freedom Power Project	IL	7842	CT1	0.0	Natural Gas Fired Combustion Turbine	NG	GT
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	56606	Calpine New Jersey Generation LLC	IPP	Carls Corner	NJ	2379	CA1	37.6	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	56606	Calpine New Jersey Generation LLC	IPP	Carls 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	3265	Cleco Power LLC	Electric Utility	Teche	LA	1400	3	250.0	Natural Gas Steam Turbine	NG	ST
2024	6	49965	Constellation Mystic Power LLC	IPP	Mystic Generating Station	MA	1588	GT81	228.8	Natural Gas Fired Combined Cycle	NG	CT
2024	6	49965	Constellation Mystic Power LLC	IPP	Mystic Generating Station	MA	1588	GT82	230.0	Natural Gas Fired Combined Cycle	NG	CT
2024	6	49965	Constellation Mystic Power LLC	IPP	Mystic Generating Station	MA	1588	GT93	229.9	Natural Gas Fired Combined Cycle	NG	CT
2024	6	49965	Constellation Mystic Power LLC	IPP	Mystic Generating Station	MA	1588	GT94	229.6	Natural Gas Fired Combined Cycle	NG	CT
2024	6	49965	Constellation Mystic Power LLC	IPP	Mystic Generating Station	MA	1588	ST85	244.6	Natural Gas Fired Combined Cycle	NG	CA
2024	6	49965	Constellation Mystic Power LLC	IPP	Mystic Generating Station	MA	1588	ST96	250.7	Natural Gas Fired Combined Cycle	NG	CA
2024	6	40215	Cordova Electric Coop, Inc	Electric Utility	Orca	AK	789	4	2.4	Petroleum Liquids	DFO	IC
2024	6	12653	Lanyard Power Holdings, LLC	IPP	Morgantown Generating Plant	MD	1573	5	54.0	Petroleum Liquids	DFO	GT
2024	6	12653	Lanyard Power Holdings, LLC	IPP	Morgantown Generating Plant	MD	1573	6	54.0	Petroleum Liquids	DFO	GT

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	7	15248	Portland General Electric Co	Electric Utility	Salem Smart Power Center	OR	60441	SSPC	5.0	Batteries	MWH	BA
2024	7	20541	Wheelabrator Environmental Systems	Commercial	Wheelabrator Portsmouth	VA	54998	1410	15.5	Municipal Solid Waste	MSW	ST
2024	7	20541	Wheelabrator Environmental Systems	Commercial	Wheelabrator Portsmouth	VA	54998	1420	0.0	Municipal Solid Waste	MSW	ST
2024	7	20541	Wheelabrator Environmental Systems	Commercial	Wheelabrator Portsmouth	VA	54998	1430	0.0	Municipal Solid Waste	MSW	ST
2024	9	5416	Duke Energy Carolinas, LLC	Electric Utility	G G Allen	NC	2718	5	259.0	Conventional Steam Coal	BIT	ST

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	12	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	12	14354	PacifiCorp	Electric Utility	Foot Creek Rim	WY	67916	1	134.8	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	134.8
2024	12	14354	PacifiCorp	Electric Utility	Rock Creek Wind	WY	67769	1	190.0	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	190.0
2024	12	65302	Ponderosa Wind II, LLC	IPP	Ponderosa Wind II	OK	66155	GP01	100.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	100.0
2024	12	15248	Portland General Electric Co	Electric Utility	Coffee Creek BESS	OR	67698	CCRK1	17.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	17.0
2024	12	15248	Portland General Electric Co	Electric Utility	Constable BESS	OR	67712	CSTB1	75.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	75.0
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	63359	REA Investments, LLC	IPP	Houlton Road Solar Farm	ME	67923	HOLT1	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	12	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	12	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	12	65348	Ragsdale Solar, LLC	IPP	Ragsdale Solar LLC	MS	66240	GEN01	100.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	100.0
2024	12	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	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	66358	Russell Pacific LLC	IPP	Kern Sunset 1886-WD	CA	67750	WEEDP	2.4	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.4
2024	12	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	12	66021	SR Albany, LLC	IPP	SR Albany, LLC	TN	67126	ALBNY	4.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.3
2024	12	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	12	66009	SR Panola III, LLC	IPP	SR Panola III, LLC	MS	67131	PANO3	3.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.5
2024	12	66038	SR Warren, LLC	IPP	SR Warren, LLC	KY	67164	WARRN	3.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.5
2024	12	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	12	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	12	66561	Selkirk Solar LLC	IPP	NY Selkirk S Albany RD - Hemlock Hills S	NY	68037	18211	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	12	60520	SoCore Energy LLC	IPP	French Road Solar	ME	67802	PV1	2.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.5
2024	12	64994	SolRiver Capital LLC	IPP	Wallace Solar LLC (CSG)	OR	66355	PV1	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
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	66054	Solar Star Bear Creek, LLC	IPP	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	12	65571	Solitude Solar Dix Duval Rd Microgrid, LLC	IPP	NY Beaver Dams Dix 1239 Duval Rd Solar	NY	66523	20149	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	12	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	12	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	12	64783	Spanish Peaks Solar LLC	IPP	Spanish Peaks Solar	CO	62379	47301	140.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 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	60531	Standard Solar	IPP	HCE Moran Solar, LLC	VA	66118	MORAN	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0
2024	12	60531	Standard Solar	IPP	HCE Red House Solar, LLC	VA	66121	REDHS	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	12	66092	Storey Bend Solar, LLC	IPP	Storey Bend Solar	FL	67209	STOS	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.5
2024	12	64778	Strata Manager, LLC	IPP	Inland Empire Energy Storage	CA	66726	IEESS	70.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	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	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	12	60970	SunShare Management	IPP	Dove Solar CSG	CO	67361	DOVES	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	12	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	12	60970	SunShare Management	IPP	Oster Sun CSG	MN	66072	OSTRS	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2024	12	65535	SunVest Solar LLC	IPP	DeKalb Taylor LLC	IL	67686	DEKTY	4.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.9
2024	12	65535	SunVest Solar LLC	IPP	Schmidt CSG 1	IL	67685	SHMT2	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	12	18454	Tampa Electric Co	Electric Utility	Bullfrog Creek Solar	FL	67203	1	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 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	(V) Under construction, more than 50 percent complete	23.0
2024	12	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	12	66473	Timbermill Wind	IPP	Timbermill Wind, LLC	NC	67910	TIMBY	189.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	189.0
2024	12	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	12	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	12	66444	Troutdale Grid, LLC	IPP	Sundial (Troutdale) BESS	OR	67869	BDT	200.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	200.0
2024	12	66517	Two Hearted Solar, LLC	IPP	Two Hearted Solar, LLC	NC	67969	PGR28	22.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	22.0
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	66368	Valley Sun Solar LLC	IPP	Valley Sun Solar	ME	67771	PV1	3.1	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.1
2024	12	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	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	20847	Wisconsin Electric Power Co	Electric Utility	Auburn Solar WI, LLC	WI	67725	20245	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2024	12	20847	Wisconsin Electric Power Co	Electric Utility	Caledonia Solar WI, LLC	WI	67727	20241	6.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	6.0
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	Hackbarth Solar WI, LLC	WI	67728	20244	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2024	12	20847	Wisconsin Electric Power Co	Electric Utility	LaFayette Solar WI, LLC	WI	67730	20246	6.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	6.0
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	20847	Wisconsin Electric Power Co	Electric Utility	Raymond Solar WI, LLC	WI	67731	20242	6.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	6.0
2024	12	20856	Wisconsin Power & Light Co	Electric Utility	Nortera Customer Hosted Solar	WI	67539	PV1	1.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.6
2024	12	20856	Wisconsin Power & Light Co	Electric Utility	UW Kegonsa Customer Hosted Solar	WI	67540	PV1	2.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.3
2024	12	20860	Wisconsin Public Service Corp	Electric Utility	Antigo-Forrest Street Solar Project	WI	67724	20243	6.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	6.0
2024	12	66566	Wolf Run Solar LLC	IPP	Wolf Run Solar	IL	68056	GEN01	140.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	140.0
2024	12	65213	Wolfskin Solar, LLC	IPP	Wolfskin Solar	GA	66027	GA-04	38.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	38.0
2024	12	60059	ZGlobal Inc	IPP	Lara 2 Hybrid	CA	67234	LARAB	0.9	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	0.9
2024	12	60059	ZGlobal Inc	IPP	Lara 2 Hybrid	CA	67234	LARAS	0.7	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	0.7
2025	1	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
2025	1	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
2025	1	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
2025	1	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
2025	1	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
2025	1	66483	Black Hollow Sun, LLC	IPP	Black Hollow Sun	CO	64745	BHS01	150.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	150.0
2025	1	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
2025	1	65442	Cobalt Solar, LLC	IPP	Cobalt Solar, LLC	PA	66364	COBAL	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2025	1	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

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2025	5	64904	AES Clean Energy	IPP	Vermilion Solar II LLC	IL	67715	VERM2	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2025	5	66354	Anole Energy Storage, LLC	IPP	Anole Energy Storage	TX	67740	AES	240.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	240.0
2025	5	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generation Station	ND	57881	05	210.2	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	245.7
2025	5	64244	Big Rock ESS Assets, LLC	IPP	Big Rock Solar Farm	CA	64636	92JTB	200.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	200.0
2025	5	66526	Burksol, LLC	IPP	Burksol Energy Storage	TX	67968	BES	100.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	100.0
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	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	5	66570	Catalina Solar, LLC	IPP	Catalina Solar (SC)	SC	68060	CAT01	75.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	75.0
2025	5	56769	Consolidated Edison Development Inc.	IPP	Peregrine BESS 1	TX	66301	PGBS1	150.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	150.0
2025	5	56769	Consolidated Edison Development Inc.	IPP	Peregrine BESS 2	TX	66302	PGBS2	150.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	150.0
2025	5	66217	Copia Power	IPP	Harquahala 2	AZ	67474	BESS1	150.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	150.0
2025	5	66217	Copia Power	IPP	Harquahala 2	AZ	67474	PV1	150.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	150.0
2025	5	62733	Cranberry Point Energy Storage LLC	IPP	Cranberry Point Energy Storage	MA	62844	NA	150.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	150.0
2025	5	61060	Cypress Creek Renewables	IPP	Solitude	IL	67643	SOLIT	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2025	5	61060	Cypress Creek Renewables	IPP	Towanda	IL	67644	TWNTA	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2025	5	61060	Cypress Creek Renewables	IPP	Varnsen	IL	67645	TWNTA	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2025	5	66292	Desert Willow Energy Storage	IPP	Desert Willow Energy Storage	TX	67598	DWES	150.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	150.0
2025	5	9234	Indiana Municipal Power Agency	Electric Utility	IMPA Tipton 2 Solar Park	IN	66937	TIPT2	2.7	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.7
2025	5	9234	Indiana Municipal Power Agency	Electric Utility	IMPA Veedersburg Solar Park	IN	66938	VEED	1.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.4
2025	5	9417	Interstate Power and Light Co	Electric Utility	Creston School Customer Hosted Solar	IA	67702	PV1	1.4	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.4
2025	5	9417	Interstate Power and Light Co	Electric Utility	Grinnell Customer Hosted Solar	IA	67703	PV1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
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	(V) Under construction, more than 50 percent complete	722.9
2025	5	66317	Kola Energy Storage, LLC	IPP	Kola Energy Center	CA	67680	KOLA	400.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	400.0
2025	5	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	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	15500	Puget Sound Energy Inc	IPP	Beaver Creek Wind Facility	MT	65019	BCW2	16.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	62.0
2025	5	15500	Puget Sound Energy Inc	IPP	Beaver Creek Wind Facility	MT	65019	BCW3	16.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	62.0
2025	5	65751	RE Papago LLC	IPP	Papago Energy Storage	AZ	66779	PPABA	300.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	300.0
2025	5	65114	Rocking R Solar, LLC	IPP	Rocking R Solar, LLC	LA	65941	RRS	72.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	72.5
2025	5	64994	SolRiver Capital LLC	IPP	Longleaf Pine Solar LLC	NC	66352	PV1	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2025	5	64994	SolRiver Capital LLC	IPP	Williams Solar LLC	NC	66356	PV1	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
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	(V) Under construction, more than 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	(V) Under construction, more than 50 percent complete	248.3
2025	5	17633	Southern Indiana Gas & Elec Co	Electric Utility	Posey Solar	IN	66780	1	173.1	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	191.0
2025	5	64778	Strata Manager, LLC	IPP	Scatter Wash 2	AZ	67455	SW2	85.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	85.0
2025	5	65815	Sunrayer Assets I LLC	IPP	Midpoint Solar, LLC	TX	66897	MIDBA	52.2	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	52.2
2025	5	65815	Sunrayer Assets I LLC	IPP	Midpoint Solar, LLC	TX	66897	MIDPV	104.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	104.0
2025	5	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
2025	5	20847	Wisconsin Electric Power Co	Electric Utility	Paris Solar	WI	65967	PSLR2	100.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	100.0
2025	6	61012	AES Distributed Energy	IPP	AES Mountain View Solar	HI	66002	MVSPA	7.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	7.0
2025	6	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
2025	6	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
2025	6	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
2025	6	796	Arizona Electric Pwr Coop Inc	Electric Utility	Apache Station	AZ	160	GT5	37.9	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	41.4
2025	6	796	Arizona Electric Pwr Coop Inc	Electric Utility	Apache Station	AZ	160	GT6	37.9	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	41.4
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	64739	Black Walnut Energy Storage LLC	IPP	Black Walnut Energy Storage LLC	CA	65396	BW1	15.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	15.0
2025	6	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
2025	6	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
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	(V) Under construction, more than 50 percent complete	1.5
2025	6	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
2025	6	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
2025	6	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
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	66480	Daggett Solar Power 1 LLC	IPP	Daggett 1	CA	67931	DAG1	113.5	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	113.5
2025	6	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
2025	6	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
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	66467	Escape Solar LLC	IPP	Escape Solar Plant	NV	67898	ESPH1	70.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	70.0
2025	6	66544	Foley Solar, LLC	IPP	Foley Solar, LLC	AL	68002	FOLEY	80.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	80.0
2025	6	66359	Fort Duncan BESS, LLC	IPP	Fort Duncan BESS	TX	67752	FTDUN	102.6	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	102.6
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	(L) Regulatory approvals pending. Not under construction	15.1
2025	6	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
2025	6	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
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	66364	Hart Wind, LLC	IPP	Hart Wind	TX	67763	5932	166.4	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	166.4
2025	6	66442	Heirloom Solar (Ratts 1 Phase 2 Solar, LLC)	IPP	Heirloom Solar	IN	67873	RAT2	60.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	60.0
2025	6	66070	Homshadow Solar II, LLC	IPP	Homshadow Solar II, LLC	UT	67511	HS2ES	50.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	50.0
2025	6	66070	Homshadow Solar II, LLC	IPP	Homshadow Solar II, LLC	UT	67511	HS2L	200.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	200.0
2025	6	66059	Homshadow Solar, LLC	IPP	Homshadow Solar, LLC	UT	67497	HSESS	25.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	25.0
2025	6	66059	Homshadow Solar, LLC	IPP	Homshadow Solar, LLC	UT	67497	HSL	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
2025	6	61001	Hu Honua Bioenergy, LLC	IPP	Hu Honua Bioenergy Facility	HI	61364	HNB	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	9191	Idaho Power Co	Electric Utility	Happy Valley Battery Storage	ID	67573	HPVY	82.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	82.0
2025	6	9234	Indiana Municipal Power Agency	Electric Utility	IMPA Winamac Solar Park</									

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	66265	Kuna BESS, LLC	IPP	Kuna BESS	ID	67549	1	150.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	150.0
2025	6	66210	Lane City Wind, LLC	IPP	Lane City Wind	TX	67443	LCW1	202.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	202.5
2025	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	61307	Lockheed Martin RMS	Industrial	Lockheed Martin Solar	FL	61694	E6CRT	1.0	Petroleum Liquids	DFO	IC	(P) Planned for installation, but regulatory approvals not initiated	1.0
2025	6	12320	Merck & Co Inc	Industrial	Elkton	VA	52148	GEN10	2.0	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	2.0
2025	6	65627	NRG THW GT LLC	IPP	NRG THW GT Electric Generating Station	TX	66601	GT61	204.0	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	188.7
2025	6	65627	NRG THW GT LLC	IPP	NRG THW GT Electric Generating Station	TX	66601	GT62	204.0	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	188.7
2025	6	13902	NorthWestern Energy (MT Hydro)	Electric Utility	Hauser	MT	2185	HAU10	3.5	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	3.5
2025	6	66543	Old Hayneville Solar, LLC	IPP	Old Hayneville Solar, LLC	AL	68001	OLHAY	80.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	80.0
2025	6	15248	Portland General Electric Co	Electric Utility	Seaside BESS	OR	67711	SESD1	200.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	200.0
2025	6	66441	Ratts 1 Solar LLC	IPP	RATTS 1	IN	67872	RAT1	150.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	150.0
2025	6	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
2025	6	66557	SL Jamestown II, LLC	IPP	SL JAMESTOWN ARRAY 2	NY	68026	21108	4.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.8
2025	6	66556	SL Jamestown, LLC	IPP	SL JAMESTOWN ARRAY 1	NY	68025	21103	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2025	6	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
2025	6	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
2025	6	66226	Serrano Solar, LLC	IPP	Serrano	AZ	67503	GEN01	170.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	170.0
2025	6	66226	Serrano Solar, LLC	IPP	Serrano	AZ	67503	GEN02	213.8	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	213.8
2025	6	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
2025	6	66095	Stillhouse Solar LLC	IPP	Oci Stillhouse Solar	TX	65894	OCISS	210.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	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	65427	Tidwell Prairie	IPP	Tidwell Prairie Storage 1	TX	66337	SGES1	200.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	200.0
2025	6	65173	United States Solar Corporation	IPP	USS Golden Spike Solar LLC	MN	67546	USGSP	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2025	6	64545	Vesper Energy Development LLC	IPP	TX Nazareth Solar	TX	67575	NZRTH	201.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	201.0
2025	6	20323	Wellhead Services, Inc	Industrial	Chula Vista Energy Center 2	CA	67878	BESS1	50.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	50.0
2025	7	11135	City of Logan - (UT)	Electric Utility	Logan City 2	UT	67445	1	2.5	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	2.5
2025	7	11135	City of Logan - (UT)	Electric Utility	Logan City 2	UT	67445	2	2.5	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	2.5
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	61060	Cypress Creek Renewables	IPP	Bear Ridge	NY	67650	BEARR	93.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	93.0
2025	7	61060	Cypress Creek Renewables	IPP	Leatherleaf	NY	67639	LLEAF	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2025	7	66365	Golden Fields Solar IV, LLC	IPP	Rosamond South 1	CA	67764	RBESS	117.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	117.0
2025	7	66365	Golden Fields Solar IV, LLC	IPP	Rosamond South 1	CA	67764	RS1	140.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	140.0
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	12796	Monongahela Power Co	Electric Utility	Marlowe Solar	WV	66899	MARS	5.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.8
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	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	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
2025	7	18454	Tampa Electric Co	Electric Utility	South Tampa Resiliency Project	FL	66920	MPS01	18.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 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	(V) Under construction, more than 50 percent complete	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	(U) Under construction, less than or equal to 50 percent complete	18.8
2025	7	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	G21	53.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	65.8
2025	7	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	G22	53.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	65.8
2025	7	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	G23	53.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	65.8
2025	7	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	G24	53.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	65.8
2025	7	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	G25	53.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	65.8
2025	7	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	G26	53.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	65.8
2025	7	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	G27	53.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	65.8
2025	7	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	G28	53.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	65.8
2025	7	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	G29	53.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	65.8
2025	7	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	G30	53.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	65.8
2025	7	57313	Tesla Inc.	Industrial	Austin TX GigaFactory	TX	65070	A04	2.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.3
2025	7	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	8	221	Alaska Village Elec Coop, Inc	Electric Utility	Bethel	AK	6566	8	2.9	Petroleum Liquids	DFO	IC	(V) Under construction, more than 50 percent complete	2.9
2025	8	65270	Blue Elk I Solar, LLC	IPP	Blue Elk I Solar, LLC	MI	66107	BEI	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2025	8	11135	City of Logan - (UT)	Electric Utility	Logan City 2	UT	67445	3	2.5	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	2.5
2025	8	11135	City of Logan - (UT)	Electric Utility	Logan City 2	UT	67445	4	2.5	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	2.5
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	6455	Duke Energy Florida, LLC	Electric Utility	Sundance Renewable Energy Center	FL	67692	68049	74.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.9
2025	8	66513	East Atmore Solar, LLC	IPP	East Atmore Solar	AL	67957	EATMR	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2025	8	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	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	9417	Interstate Power and Light Co	Electric Utility	Clinton Schools	IA	67965	PV1	1.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.3
2025	8	66460	Koronis Garden LLC	IPP	Koronis Garden	MN	67892	MNC11	1.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.0
2025	8	11269	Lower Colorado River Authority	Electric Utility	Maxwell Peaker Plant	TX	66335	G1	18.8	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.8
2025	8	11269	Lower Colorado River Authority	Electric Utility	Maxwell Peaker Plant	TX	66335	G10	18.8	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.8
2025	8	11269	Lower Colorado River Authority	Electric Utility	Maxwell Peaker Plant	TX	66335	G2	18.8	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.8
2025	8	11269	Lower Colorado River Authority	Electric Utility	Maxwell Peaker Plant	TX	66335	G3	18.8	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.8
2025	8	11269	Lower Colorado River Authority	Electric Utility	Maxwell Peaker Plant	TX	66335	G4	18.8	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.8
2025	8	11269	Lower Colorado River Authority	Electric Utility	Maxwell Peaker Plant	TX	66335	G5	18.8	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.8
2025	8	11269	Lower Colorado River Authority	Electric Utility	Maxwell Peaker Plant	TX	66335	G6	18.8	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.8
2025	8	11269	Lower Colorado River Authority	Electric Utility	Maxwell Peaker Plant	TX	66335	G7	18.8	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.8
2025	8	11269	Lower Colorado River Authority	Electric Utility	Maxwell Peaker Plant	TX	66335	G8	18.8	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.8
2025	8	11269	Lower Colorado River Authority	Electric Utility	Maxwell Peaker Plant	TX	66335	G9	18.8	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.8
2025	8	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	(U) Under construction, less than or equal to 50 percent complete	130.0
2025	8	65777	Urban Grid Solar	IPP	Egypt Road Solar	MD	66840	EGYR1	51.1	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	

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	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	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generation Station	ND	57881	04	210.2	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	245.7
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	(T) Regulatory approvals received. Not under construction	15.0
2025	9	65515	Catalyze Moss Landing Hilltop Rd Microgrid, LLC	IPP	CA Moss Landing 3040 Hilltop Rd	CA	66510	19616	1.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.2
2025	9	65515	Catalyze Moss Landing Hilltop Rd Microgrid, LLC	IPP	CA Moss Landing 3040 Hilltop Rd	CA	66510	B9616	1.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	1.0
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	66426	Dill Holdings LLC	IPP	Dill Holdings LLC	NC	67858	DILL1	10.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	10.0
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	66457	Ganzer Garden LLC	IPP	Ganzer Garden	MN	67889	MNC13	1.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	1.0
2025	9	66458	Horseshoe Garden LLC	IPP	Horseshoe Garden	MN	67890	MNC12	1.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	1.0
2025	9	66459	Jones Garden LLC	IPP	Jones Garden	MN	67891	MNC08	1.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	1.0
2025	9	61421	LeGore Bridge Solar Center, LLC	IPP	LeGore Bridge Solar Center	MD	61796	LGBSC	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2025	9	66420	Luna Valley Solar I, LLC	IPP	Luna Valley	CA	67848	LVPV	200.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	200.0
2025	9	66427	McDowell Creek Solar LLC	IPP	McDowell Creek Solar LLC	NC	67857	MCDOW	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2025	9	12796	Monongahela Power Co	Electric Utility	Wylie Ridge Solar	WV	66901	WRS	8.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	8.4
2025	9	64674	Noria Hondo Solar LLC	IPP	Noria Hondo Solar (Hybrid)	TX	65344	66148	145.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	145.0
2025	9	64674	Noria Hondo Solar LLC	IPP	Noria Hondo Solar (Hybrid)	TX	65344	66149	75.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	75.0
2025	9	66027	Orsted Wind Power North America LLC	IPP	Revolution Wind	RI	65500	REVVD	715.0	Offshore Wind Turbine	WND	WS	(U) Under construction, less than or equal to 50 percent complete	715.0
2025	9	14354	PacificCorp	Electric Utility	Rock Creek Wind	WY	67769	II	400.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	400.0
2025	9	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
2025	9	15500	Puget Sound Energy Inc	IPP	Beaver Creek Wind Facility	MT	65019	BCW1	16.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	62.0
2025	9	15500	Puget Sound Energy Inc	IPP	Beaver Creek Wind Facility	MT	65019	BCW4	16.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	62.0
2025	9	2770	Terra-Gen Operating Co-Wind	IPP	Monte Cristo 1	TX	67875	GEN1	238.5	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	238.5
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	59726	Windhub Solar B, 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	10	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	10	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	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	BDMSS	150.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	150.0
2025	10	15399	Avangrid Renewables LLC	IPP	Mohawk Solar	NY	64253	S1	90.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	90.5
2025	10	66061	BQ Energy Development	IPP	Yeoman Creek	IL	61910	YEOM	7.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	7.0
2025	10	66455	Bullard Garden LLC	IPP	Bullard Garden	MN	67887	MNC09	1.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	1.0
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	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
2025	10	66456	Darwin Winter Garden LLC	IPP	Darwin Winter Garden	MN	67888	MNC10	1.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	1.0
2025	10	58468	Dominion Renewable Energy	IPP	Alberta Solar	VA	68070	ALBER	3.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	3.0
2025	10	58468	Dominion Renewable Energy	IPP	Bridleton Solar	VA	68072	BRIDL	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2025	10	58468	Dominion Renewable Energy	IPP	North Ridge Solar	VA	68077	NRIDG	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
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	65103	Highbanks Solar, LLC	IPP	Highbanks Solar	NY	65934	7	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2025	10	49805	Kennecott Utah Copper	Industrial	Copperton Solar Plant No. 1	UT	64427	CSP2	11.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	25.0
2025	10	65871	MPW Solar 1, LLC	IPP	MPW Solar 1	IA	66978	MS1	24.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	24.0
2025	10	66250	Milagro Solar I, LLC	IPP	Milagro Solar I	NM	67528	MLRBS	75.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	75.0
2025	10	66250	Milagro Solar I, LLC	IPP	Milagro Solar I	NM	67528	MLRPV	150.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	150.0
2025	10	65550	Nova Power, LLC	IPP	Menifee Power Bank	CA	66494	NOVA5	55.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	60.0
2025	10	64581	OE_FL10	IPP	OE_FL10	FL	65290	OFL10	74.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.9
2025	10	66002	Pastoria Solar Energy Company, LLC	IPP	Pastoria Solar	CA	67105	CPP01	105.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	105.2
2025	10	65124	Plum Nellie Wind Farm LLC	IPP	Plum Nellie Wind Farm LLC	KS	65948	PNW01	201.6	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	201.6
2025	10	66169	Pluto Energy Storage, LLC	IPP	Pluto Energy Storage	AZ	67328	PLUTO	75.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	75.0
2025	10	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
2025	10	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
2025	10	64347	Silver Queen Wind Farm, LLC	IPP	Silver Queen Wind Farm	IA	64835	NA	252.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	252.0
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	66485	Vernon Solar and Storage, LLC	IPP	Vernon Solar and Storage	TX	67934	VERNB	35.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	35.0
2025	10	66485	Vernon Solar and Storage, LLC	IPP	Vernon Solar and Storage	TX	67934	VERNP	75.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	75.0
2025	10	63726	Vistra Zero LLC	IPP	Forest Grove - Dodd	TX	64131	ESS1	1.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	1.0
2025	10	63492	West River Solar, LLC	IPP	West River Solar, LLC	NC	63806	PGR28	40.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	40.0
2025	10	66320	White Tail Solar, LLC	IPP	White Tail Solar	MI	67678	WTS	140.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	140.0
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	66107	Came Energy Storage, LLC	IPP	Came Energy Storage, LLC	NM	67230	CS	130.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	130.0
2025	11	66519	Caron Garden LLC	IPP	Caron Gardens LLC	MN	67970	MNC14	1.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	1.0
2025	11	66174	Carvers Creek, LLC	IPP	Carvers Creek Solar	VA	67342	CARV2	99.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	99.0
2025	11	64524	East Windsor Solar Two, LLC	IPP	East Windsor Solar Two	CT	65149	VCP05	4.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.0
2025	11	63966	Emerick Wind, LLC	IPP	Emerick Wind	NE	64344	9999	396.3	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	396.3
2025	11	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
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	66409	Great Bend Solar LLC	IPP	Great Bend Solar Project	OH	67834	GBSP1	48.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	48.0
2025	11	60025	Greenbacker Renewable Energy Corporation	IPP	Kern Front	CA	67691	731	18.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	18.9
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
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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	61944	MN8 Energy 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	17470	PUD No 1 of Snohomish County	Electric Utility	Arlington Battery Energy Storage System	WA	67669	ABESS	25.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	25.0
2025	11	66449	Potter Solar LLC	IPP	Potter Solar LLC	PA	67876	ENX35	35.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	35.0
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	Morgnac Solar	MD	66843	MORG1	55.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	55.8
2025	11	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	11	66520	Wells Garden LLC	IPP	Wells Garden	MN	67971	MNC15	1.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	1.0
2025	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
2025	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
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	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	61514	Agilitas Energy, Inc.	IPP	Manorville II	NY	64758	MAN	0.8	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	0.8
2025	12	61514	Agilitas Energy, Inc.	IPP	Manorville II	NY	64758	MANB	0.8	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	0.8
2025	12	61514	Agilitas Energy, Inc.	IPP	Patchogue ESS	NY	64761	PAT	2.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	2.0
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	63965	Badger Wind, LLC	IPP	Badger Wind, LLC	ND	64342	5555	250.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	250.0
2025	12	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	12	66363	Bypass BESS LLC	IPP	Bypass BESS	TX	67761	1	200.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	200.0
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	63677	Caden Energix New Kent, LLC	IPP	Caden Energix New Kent, LLC	VA	64036	ENX08	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
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	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
2025	12	66211	Cherrywood Solar, LLC	IPP	Cherrywood Solar I	MD	67444	6794	145.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	145.0
2025	12	64934	Chiquito Grid, LLC	IPP	Chiquito Grid, LLC	CA	65655	HECHO	80.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	80.0
2025	12	9187	City of Idaho Falls - (ID)	Electric Utility	Idaho Falls Power Peaking Plant	ID	68021	IFPP1	2.5	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	2.5
2025	12	9187	City of Idaho Falls - (ID)	Electric Utility	Idaho Falls Power Peaking Plant	ID	68021	IFPP2	2.5	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	2.5
2025	12	9187	City of Idaho Falls - (ID)	Electric Utility	Idaho Falls Power Peaking Plant	ID	68021	IFPP3	2.5	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	2.5
2025	12	9187	City of Idaho Falls - (ID)	Electric Utility	Idaho Falls Power Peaking Plant	ID	68021	IFPP4	2.5	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	2.5
2025	12	9187	City of Idaho Falls - (ID)	Electric Utility	Idaho Falls Power Peaking Plant	ID	68021	IFPP5	2.5	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	2.5
2025	12	9187	City of Idaho Falls - (ID)	Electric Utility	Idaho Falls Power Peaking Plant	ID	68021	IFPP6	2.5	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	2.5
2025	12	9187	City of Idaho Falls - (ID)	Electric Utility	Idaho Falls Power Peaking Plant	ID	68021	IFPP7	2.5	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	2.5
2025	12	60232	Clenera LLC	IPP	Roadrunner Solar and BESS	AZ	67823	RRBES	235.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	235.0
2025	12	60232	Clenera LLC	IPP	Roadrunner Solar and BESS	AZ	67823	RRBPV	235.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	235.0
2025	12	66446	Clermont Solar LLC	IPP	Clermont Solar LLC	PA	67870	ENX34	120.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	120.0
2025	12	66366	Compadre Solar, LLC	IPP	Compadre Solar	TX	67765	5191	150.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	150.0
2025	12	56769	Consolidated Edison Development Inc.	IPP	Alamo 7 BESS 1	TX	66297	A7B51	150.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	150.0
2025	12	56769	Consolidated Edison Development Inc.	IPP	Alamo 7 BESS 2	TX	66298	A7B52	150.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	150.0
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	CO513	140.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	140.0
2025	12	61060	Cypress Creek Renewables	IPP	Berkman Storage	TX	67651	BERK	100.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	100.0
2025	12	61060	Cypress Creek Renewables	IPP	Third Coast BESS, LLC	TX	67667	3COAS	100.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	100.0
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	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	12	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	12	6455	Duke Energy Florida, LLC	Electric Utility	Bailey Mill Solar	FL	68052	PV1	74.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.9
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	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
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	66467	Escape Solar LLC	IPP	Escape Solar Plant	NV	67898	ESPH2	115.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	115.0
2025	12	66467	Escape Solar LLC	IPP	Escape Solar Plant	NV	67898	ESPHB	100.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	100.0
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	66266	Form Energy Inc.	IPP	East Road Storage Project	CA	67565	CEC01	5.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	5.0
2025	12	63524	Freemont 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	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	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	HRSPP	25.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	25.0
2025	12	63137	Idemitsu Renewables	IPP	Azalea (CA)	CA	66890	AZAL	60.0	Batteries	MWH	BA	(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				

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	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	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
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 BESS	TX	68081	BARBS	20.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	20.0
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	(L) Regulatory approvals pending. Not under construction	200.0
2025	12	50123	Leeward Asset Management, LLC	IPP	Cradle Solar	TX	65822	CRAS0	225.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	225.0
2025	12	50123	Leeward Asset Management, LLC	IPP	Elisabeth Solar	AZ	68039	ELISA	350.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	350.0
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	(P) Planned for installation, but regulatory approvals not initiated	150.0
2025	12	50123	Leeward Asset Management, LLC	IPP	Saltbranch 2	OK	68009	SB12	73.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	73.0
2025	12	50123	Leeward Asset Management, LLC	IPP	Saltbranch Solar 1	OK	68007	SLTB1	73.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	73.0
2025	12	50123	Leeward Asset Management, LLC	IPP	Sierra Pinta BESS	AZ	67973	SP01	113.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	113.0
2025	12	50123	Leeward Asset Management, LLC	IPP	South Branch Solar	OH	68086	SBS	90.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	90.0
2025	12	50123	Leeward Asset Management, LLC	IPP	Thoroughbred Solar	KY	68087	TBS1	50.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	50.0
2025	12	50123	Leeward Asset Management, LLC	IPP	Twelvemile Solar 1 & 2	OK	68088	TS12	152.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	152.0
2025	12	50123	Leeward Asset Management, LLC	IPP	Twelvemile Solar 3	OK	68089	TS03	200.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	200.0
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	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	12	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	12	65789	Marion County Solar Project, LLC	IPP	Marion County Solar Project	OH	66880	USMNC	100.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	100.0
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	66572	Montpelier Solar, LLC	IPP	Montpelier Solar project	OH	68062	MPLR	49.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	49.0
2025	12	63467	Naturgy Candela DevCo LLC	IPP	Mark Center Solar Project	OH	65050	MRC1	90.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	90.0
2025	12	66234	Nexus Renewables U.S. Inc.	IPP	Bell Creek BESS LLC	TX	67535	ASHU1	200.9	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	200.9
2025	12	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	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
2025	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
2025	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
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	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
2025	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
2025	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
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	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
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	66345	Sebree Solar, LLC	IPP	Sebree Solar, LLC - Hybrid	KY	67735	4516	250.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	250.0
2025	12	65695	Seven Flags BESS LLC	IPP	Seven Flags BESS LLC	TX	66689	7FLAG	100.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	100.0
2025	12	62023	Skeleton Creek Energy Center	IPP	Skeleton Creek Energy Center Hybrid	OK	62494	SCBAT	252.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	252.0
2025	12	62023	Skeleton Creek Energy Center	IPP	Skeleton Creek Energy Center Hybrid	OK	62494	SCSOL	250.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	250.0
2025	12	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
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	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	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 Fairway Solar Project	NY	63865	Q#948	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	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
2025	12	65561	TJA 540R Main St. Acushnet, LLC	IPP	MA Acushnet 540R Main St	MA	66513	18229	4.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	4.0
2025	12	65561	TJA 540R Main St. Acushnet, LLC	IPP	MA Acushnet 540R Main St	MA	66513	B8229	2.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	2.0
2025	12	66189	Throckmorton Wind, LLC	IPP	Throckmorton Wind	TX	67356	6794	200.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	200.0
2025	12	66188	Tiger Solar, LLC	IPP	Tiger Solar	TX	67357	4666	204.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	204.0
2025	12	59056	Tri Global Energy, LLC	IPP	Cone Renewable Energy Project, LLC	TX	60272	WT1	150.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	150.0
2025	12	59056	Tri Global Energy, LLC	IPP	Crosby County Wind Farm, LLC	TX	60273	WT1	150.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	150.0
2025	12	59056	Tri Global Energy, LLC	IPP	Easter	TX	59971	ESTR1	150.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	150.0
2025	12	63759	Triple Oak Power LLC	IPP	Jawbone Wind Project	MT	58175	JWPI	80.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	80.0
2025	12	64457	VCP, LLC d/b/a Verogy	IPP	Dollar Tree Solar One	CT	65148	VCP13	2.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.0
2025	12	64457	VCP, LLC d/b/a Verogy	IPP	Emery Shute Solar One	ME	65045	VCP14	1.4	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1.4
2025	12	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

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	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	12	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	12	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	12	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	12	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	12	63527	Westlands Chery, LLC	IPP	Chery	CA	63850	CHERY	249.7	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	249.7
2025	12	63528	Westlands Grape, LLC	IPP	Grape	CA	63851	GRAPE	246.4	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	246.4
2025	12	64354	Wilkes Solar, LLC	IPP	Wilkes Solar, LLC	NC	64850	WS	75.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	75.0
2025	12	66506	Willow Creek Wind LLC	IPP	Willow Creek Wind (OK)	OK	67960	WCW01	220.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	220.0
2026	1	15399	Avangrid Renewables LLC	IPP	Great Bear Solar, LLC	OH	64073	GBS	46.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	46.0
2026	1	66552	Blue Moon Energy LLC	IPP	Blue Moon	KY	68000	BLUMN	70.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	70.0
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	61060	Cypress Creek Renewables	IPP	Destiny Storage	TX	67654	DESTS	200.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	200.0
2026	1	5109	DTE Electric Company	Electric Utility	Little Trout Solar	MI	67755	LTRSP	150.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	150.0
2026	1	5248	Domination 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	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	49893	Invenery 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	50123	Leeward Asset Management, LLC	IPP	Huckleberry Solar	OK	68011	HBS	124.7	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	124.7
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	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	66395	Temo Renewables LLC	IPP	Walston I Solar	MD	67800	1	9.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	9.9
2026	1	63726	Virstra 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	Virstra 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	61060	Cypress Creek Renewables	IPP	Sundance (CO)	CO	67666	SUNDN	74.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	74.9
2026	2	5109	DTE Electric Company	Electric Utility	Mission Road Solar Park	MI	67756	MSRSP	172.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	172.0
2026	2	65644	Fish Lake Geothermal LLC	IPP	Fish Lake Geothermal	NV	66618	FL1	2.1	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	3.3
2026	2	65644	Fish Lake Geothermal LLC	IPP	Fish Lake Geothermal	NV	66618	FL2	2.9	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	3.3
2026	2	65644	Fish Lake Geothermal LLC	IPP	Fish Lake Geothermal	NV	66618	FL3	3.4	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	4.7
2026	2	65644	Fish Lake Geothermal LLC	IPP	Fish Lake Geothermal	NV	66618	FL4	4.3	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	6.2
2026	2	65644	Fish Lake Geothermal LLC	IPP	Fish Lake Geothermal	NV	66618	FL5	6.8	Geothermal	GEO	ST	(P) Planned for installation, but regulatory approvals not initiated	9.0
2026	2	65439	Lotus Infrastructure Global Operations, LLC	IPP	Grover Hill Wind, LLC	OH	66359	GHW	140.3	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	140.3
2026	2	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	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
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	Stuebenville Solar	OH	66657	STUEB	43.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	43.0
2026	3	66387	Babacomari Solar, LLC	IPP	Babacomari Solar	AZ	67797	BS	160.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	160.0
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	66536	Cherry Valley PV I, LLC	IPP	Cherry Valley PV I	AR	67992	CHVLY	135.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	135.0
2026	3	66534	Cooks Mill PV I, LLC	IPP	Cooks Mill PV I	IL	67991	CKML	99.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	99.0
2026	3	66479	Crossroads Solar, LLC - (IN)	IPP	Crossroads Solar (IN)	IN	67930	CR	200.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	200.0
2026	3	61060	Cypress Creek Renewables	IPP	Ostrea Solar, LLC	WA	66384	GEN1	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2026	3	5109	DTE Electric Company	Electric Utility	Trenton Channel Energy Center	MI	67759	TCHCC	220.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	220.0
2026	3	66018	Excel Advantage Services, LLC	IPP	Fagus Solar Park	TX	67123	MISII	331.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	331.6
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	66386	Gransolar Texas Six LLC	IPP	Tres Margaritas Solar	TX	67789	GRS6	61.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	61.0
2026	3	66319	Heartwood Solar, LLC	IPP	Heartwood Solar	MI	67677	HWS	150.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	150.0
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	66682	NY29	150.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	150.0
2026	3	66344	Kingstree West 115 LLC	IPP	Kingstree West 115	SC	67723	SOLAR	74.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	84.2
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	SPRUN	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	Domination 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	58468	Domination Renewable Energy	IPP	Cerulean Solar	VA	68074	CERUL	62.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	62.0
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	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
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	66255	RIC Development, LLC	IPP	Stonewall Solar	TX	67562	RIC92	63.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	63.0
2026	4	65144	Samsung C&T Renewables, LLC	IPP	Dolce BESS, LLC	TX	67919	DOLCE	101.4	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	101.4
2026	4	65144	Samsung C&T Renewables, LLC	IPP	Richwood Solar and Storage	OH	68019	RICSS	250.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	250.0
2026	4	66451	Stony Creek Solar LLC	IPP	Stony Creek Solar LLC	PA	67879	ENX26	15.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	15.0
2026	4	64545	Vesper Energy Development LLC	IPP	Emerald Hill Energy Storage	TX	68015	EMHES	250.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	250.0

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2026	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	66465	229HD 8me, LLC	IPP	Holstein 2 Battery Storage	TX	67896	229HD	100.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	100.0
2026	5	65689	Alfred Oaks Solar, LLC	IPP	Alfred Oaks Solar, LLC	NY	66675	ALOAK	115.2	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	115.2
2026	5	65689	Alfred Oaks Solar, LLC	IPP	Alfred Oaks Solar, LLC	NY	66675	BA	20.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	20.0
2026	5	56769	Consolidated Edison Development Inc.	IPP	Uvalde Solar 1	TX	66306	UVPV1	150.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	150.0
2026	5	5109	DTE Electric Company	Electric Utility	Fish Creek Solar Park	MI	67754	FSCSP	146.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	146.2
2026	5	66383	Gransolar Texas Nineteen LLC	IPP	Whistle Solar	TX	67785	GRS19	56.3	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	56.3
2026	5	66385	Gransolar Texas Ten LLC	IPP	Payne Battlecreek Solar	TX	67788	GRS10	85.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	85.0
2026	5	66373	Gransolar Texas Two LLC	IPP	Cuchillas PV and BESS	TX	67776	GRS2P	305.6	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	305.6
2026	5	66232	Green River Energy Center, LLC	IPP	Green River Energy Center - Hybrid	UT	67501	GRBS	400.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	400.0
2026	5	66232	Green River Energy Center, LLC	IPP	Green River Energy Center - Hybrid	UT	67501	GRPV	400.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	400.0
2026	5	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
2026	5	65814	Innovative Solar 245 LLC	IPP	Indigo Solar & Storage	TX	66891	245BS	180.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	180.0
2026	5	65814	Innovative Solar 245 LLC	IPP	Indigo Solar & Storage	TX	66891	IS245	150.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	150.0
2026	5	66567	Prospect Power, LLC	IPP	Prospect Power BESS	VA	68055	PPB	150.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	150.0
2026	5	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
2026	5	66450	Spout Spring Solar LLC	IPP	Spout Spring Solar LLC	VA	67877	ENX31	60.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	60.0
2026	5	64545	Vesper Energy Development LLC	IPP	Axton Solar	VA	65462	AXTON	201.1	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	201.1
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	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
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	65654	Birch Creek Development	IPP	Elm Flats Solar	TX	67552	ELMBA	50.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	50.0
2026	6	65654	Birch Creek Development	IPP	Elm Flats Solar	TX	67552	ELMFL	125.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	125.0
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	66579	Cape HoldCo LLC	IPP	Cape Generating Station	UT	68068	CP1G1	28.0	Geothermal	GEO	ST	(T) Regulatory approvals received. Not under construction	53.0
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	66272	Cedar Hill ESS Assets, LLC	IPP	Cedar Hill ESS	TX	67570	3004	10.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	10.0
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	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
2026	6	65084	Eldora Energy LLC	IPP	Eldora Energy LLC	TX	65847	ELDBS	200.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	200.0
2026	6	65084	Eldora Energy LLC	IPP	Eldora Energy LLC	TX	65847	ELDPV	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2026	6	55937	Entergy Texas Inc.	Electric Utility	Orange County Advanced Power Station	TX	66621	1A	396.6	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	453.0
2026	6	55937	Entergy Texas Inc.	Electric Utility	Orange County Advanced Power Station	TX	66621	1B	396.6	Natural Gas Fired Combined Cycle	NG	CT	(T) Regulatory approvals received. Not under construction	453.0
2026	6	55937	Entergy Texas Inc.	Electric Utility	Orange County Advanced Power Station	TX	66621	1C	365.0	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	400.0
2026	6	6763	Freestone Power Generation LLC	IPP	FPEC, LLC	TX	67500	GT5	212.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	222.0
2026	6	6763	Freestone Power Generation LLC	IPP	FPEC, LLC	TX	67500	GT6	212.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	222.0
2026	6	61737	GEB Solar	IPP	GEB Solar	SC	62217	40	50.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	50.0
2026	6	65157	Garcitas Creek Solar, LLC	IPP	Garcitas Creek Solar	TX	65973	GCS	201.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	201.9
2026	6	65475	Gransolar Texas Fifteen, LLC	IPP	Naduah Solar	TX	66396	NDUAH	103.4	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	103.4
2026	6	66261	Greenalia Solar Power Roscommon, LLC	IPP	Roscommon Solar Park	TX	67566	ROGSP	82.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	82.8
2026	6	64218	Greens Corners Solar	IPP	Greens Corners Solar	NY	64599	GEN1	120.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	120.0
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	61746	Holiday Solar I	IPP	Holiday 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	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
2026	6	63792	Homet Solar LLC	IPP	Homet 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	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
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	66347	Placid Solar II, LLC	IPP	Highland Solar North	FL	64345	1112	74.9	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	74.9
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	60229	Quail Holdings, LLC	IPP	Quail Holdings	NC	60434	PV1	30.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	30.0
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

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2026	6	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	Sunrayer 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	Sunrayer 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	6	65815	Sunrayer Assets I LLC	IPP	Lupinus Storage 3	TX	67674	LUPE3	50.9	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	50.9
2026	6	64545	Vesper Energy Development LLC	IPP	Hornet Solar II (TX) (Hybrid)	TX	67985	HRNT2	200.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	200.0
2026	6	64545	Vesper Energy Development LLC	IPP	Hornet Solar II (TX) (Hybrid)	TX	67985	HRT2B	200.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	200.0
2026	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
2026	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
2026	7	61060	Cypress Creek Renewables	IPP	Payton	IL	67662	PAYTN	70.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	70.0
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	65594	EnerSmart Storage	IPP	EnerSmart EI Cajon BESS	CA	66754	ECO1	3.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	3.0
2026	7	66447	Gladys Solar LLC	IPP	Gladys Solar LLC	VA	67871	ENX29	60.4	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	60.4
2026	7	66382	Gransolar Texas Eleven LLC	IPP	Vial BESS	TX	67784	GRS11	141.4	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	141.4
2026	7	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	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	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
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	7	61950	Terra-Gen Operating Co-Solar	IPP	Desert Breeze Solar, LLC	CA	68045	LOC3	125.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	125.0
2026	7	66461	Two Oaks Solar and Storage	IPP	Two Oaks Solar and Storage LLC	VA	67884	ENX27	118.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	118.0
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	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	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
2026	8	64077	JVR Energy Park LLC	IPP	JVR Energy Park LLC	CA	64428	JVR1B	70.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	70.0
2026	9	66538	Crooked Creek PV I, LLC	IPP	Crooked Creek PV I	IL	67993	CRDCK	99.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	99.0
2026	9	61060	Cypress Creek Renewables	IPP	Hanson	TX	67657	HANSO	396.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	396.0
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	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
2026	9	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
2026	9	66488	Flora Solar, LLC	IPP	Flora Solar	IL	67937	FLOSO	125.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	125.0
2026	9	66372	Gransolar BESS Texas Six LLC	IPP	Cardinal Solar (TX)	TX	67775	GRS6	74.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	74.0
2026	9	66370	Gransolar Texas Nine LLC	IPP	Braswell Solar	TX	67772	GRS9	44.2	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	44.2
2026	9	66378	Gransolar Texas Seven LLC	IPP	Lampe Solar	TX	67781	GRS7	60.2	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	60.2
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	66381	Gransolar Texas Twelve LLC	IPP	Ventures BESS	TX	67783	GRS12	226.8	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	226.8
2026	9	66371	Gransolar Texas Twenty LLC	IPP	Cosper Solar	TX	67773	GRS20	148.2	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	148.2
2026	9	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
2026	9	65682	IP Aramis, LLC	IPP	Aramis I Solar Project	CA	66678	IPARB	100.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	100.0
2026	9	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Second Division Solar	TX	65981	TXSD2	30.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	30.0
2026	9	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Starr Solar Ranch	TX	65975	TXSD2	180.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	180.0
2026	9	14519	Pasco County	IPP	Pasco Cnty Solid Waste Resource Recovery	FL	50666	GEN2	18.0	Municipal Solid Waste	MSW	ST	(T) Regulatory approvals received. Not under construction	20.0
2026	9	66255	RIC Development, LLC	IPP	Wetzel BESS	TX	67555	RIC98	185.6	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	185.6
2026	9	65144	Samsung C&T Renewables, LLC	IPP	Champaign BESS, LLC	TX	67917	CHMPN	202.7	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	202.7
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	66454	Wyatt Mill Solar LLC	IPP	Wyatt Mill Solar LLC	VA	67881	ENX30	82.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	82.5
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	WIND	WT	(U) Under construction, less than or equal to 50 percent complete	3.0
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	150.0
2026	10	61060	Cypress Creek Renewables	IPP	Amerada	TX	67649	AMERA	300.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	300.0
2026	10	61060	Cypress Creek Renewables	IPP	South Davidson	NC	67665	SDAVI	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2026	10	58468	Dominion Renewable Energy	IPP	Blue Ridge Solar	VA	68073	BLUER	95.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	95.0
2026	10	62760	EDPR CA Solar Park VI LLC	IPP	EDPR CA Solar Park VI LLC (CA) Hybrid	CA	62892	SONR2	40.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	40.0
2026	10	62760	EDPR CA Solar Park VI LLC	IPP	EDPR CA Solar Park VI LLC (CA) Hybrid	CA	62892	SONR1	200.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	201.0
2026	10	64077	JVR Energy Park LLC	IPP	JVR Energy Park LLC	CA	64428	JVR1A	90.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	90.0
2026	10	64351	Roxbury Solar, LLC	IPP	Roxbury Solar, LLC	ME	64834	ROX	55.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	55.0
2026	10	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
2026	10	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
2026	10	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
2026	10	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
2026	10	64690	Topsham Meadow Solar Station LLC	IPP	Topsham Meadow Solar Station	ME	65369	TMS5	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	61060	Cypress Creek Renewables	IPP	Wallie Storage	TX	67668	WALLE	200.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	200.0
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	DNCS	400.0	Onshore Wind Turbine	WIND	WT	(L) Regulatory approvals pending. Not under construction	400.0
2026	11	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
2026	11	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
2026	11	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
2026	11	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
2026	11	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
2026	11	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

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	66258	Greenalia Solar Power Ratcliff, LLC	IPP	Ratcliff Solar Park	TX	67563	RAGSP	78.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	78.8
2026	11	66260	Greenalia Solar Power Reis, LLC	IPP	Reis Solar Park	TX	67564	REGSP	105.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	105.5
2026	11	66262	Greenalia Solar Power Wensowitch, LLC	IPP	Wensowitch Solar Park	TX	67567	WEGSP	145.6	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	145.6
2026	11	65455	Hycor Solar, LLC	IPP	Hycor Solar LLC	NC	66383	GEN1	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2026	11	50123	Leeward Asset Management, LLC	IPP	Sandhill Solar 2	GA	65884	SAHSO	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2026	11	11479	Madison Gas & Electric Co	Electric Utility	Sunnyside Solar Energy Center	WI	68054	SNSB	40.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	40.0
2026	11	11479	Madison Gas & Electric Co	Electric Utility	Sunnyside Solar Energy Center	WI	68054	SNSB	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
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	65144	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	15399	Avangrid Renewables LLC	IPP	Bright Mountain Solar	KY	67990	BM1	80.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	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	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
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	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
2026	12	4254	Consumers Energy Co - (MI)	Electric Utility	Kam Solar Energy Center	MI	67998	KSEC	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2026	12	4254	Consumers Energy Co - (MI)	Electric Utility	Spring Creek Agri-Energy Center	MI	67999	SCAEC	140.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	140.0
2026	12	61060	Cypress Creek Renewables	IPP	Fort Watt Storage	TX	67656	FWATT	200.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	200.0
2026	12	61060	Cypress Creek Renewables	IPP	Jerboa Storage	TX	67658	JERBO	200.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	200.0
2026	12	61060	Cypress Creek Renewables	IPP	Langer	TX	67659	LANGE	245.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	245.0
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	64452	EDF Renewables Development, Inc.	IPP	Grand River Energy Center Solar	OK	68093	GRECS	84.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	84.0
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	7140	Georgia Power Co	Electric Utility	Yates	GA	728	8	418.4	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	482.8
2026	12	66487	Goshen Solar, LLC	IPP	Goshen Solar	WY	67936	GS1	163.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	163.0
2026	12	66373	Gransolar Texas Two LLC	IPP	Cuchillas PV and BESS	TX	67776	GRS2B	306.9	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	306.9
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	WINDG2	150.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	150.0
2026	12	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
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	49893	Invenery Services LLC	IPP	Uinta Wind	WY	68005	WIND1	119.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	119.0
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	65446	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	(P) Planned for installation, but regulatory approvals not initiated	20.0
2026	12	50123	Leeward Asset Management, LLC	IPP	Honey Creek Solar	IN	65821	HNYSR	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	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	66316	Northumberland Solar I, LLC	IPP	Northumberland Solar I	PA	67675	ENX34	20.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	20.0
2026	12	63217	Obsidian Solar Center LLC	IPP	Obsidian Solar Center	OR	63488	OBSLR	400.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	400.0
2026	12	66027	Orsted Wind Power North America LLC	IPP	Sunrise Wind	NY	67435	SRWIND	924.0	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	924.0
2026	12	14354	PacifiCorp	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	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	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
2026	12	66542	Piney Woods Solar, LLC	IPP	Piney Woods Solar	TX	67995	PWS	150.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	150.0
2026	12	66525	Quaker Creek Farm Solar, LLC	IPP	Quaker Creek Farm Solar	NC	67977	QUACR	34.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	34.9
2026	12	66255	RIC Development, LLC	IPP	Edens Solar	TX	67560	RIC94	70.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	70.0
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	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
2026	12	65072	Sacramento Valley Energy Center, LLC	IPP	Sacramento Valley Energy Center, LLC	CA	65808	BSVEC	100.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	100.0
2026	12	65072	Sacramento Valley Energy Center, LLC	IPP	Sacramento Valley Energy Center, LLC	CA	65808	SVEC	200.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	200.0
2026	12	65144	Samsung C&T Renewables, LLC	IPP	Cairos Solar and Storage	TX	67581	CIRSA	153.3	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	153.3
2026	12	65144	Samsung C&T Renewables, LLC	IPP	Cairos Solar and Storage	TX	67581	CIRSB	77.3	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	77.3
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	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
2026	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
2026	12	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
2026	12	64355	Solariant Capital, LLC	IPP	Wildcat Solar Power Plant LLC	NM	64849	ATMWS	50.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	50.0
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	62936	TREX US Red Holly LLC	IPP	TREX US Red Holly	TX	63202	701	250.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	250.0
2026	12	61950	Terra-Gen Operating Co-Solar	IPP	Lockhart Solar PV IV, LLC	CA	67510	LOC4	80.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	80.0
2026	12	59056	Tri Global Energy, LLC	IPP	Water Valley Wind Energy	TX	62846	WWE1	180.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	180.0
2026	12													

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2026	12	64545	Vesper Energy Development LLC	IPP	Bradford Solar PA	PA	68014	BRDFS	100.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.5
2026	12	64545	Vesper Energy Development LLC	IPP	Juniper Creek Storage	CA	67945	JCSIB	200.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	200.0
2026	12	64545	Vesper Energy Development LLC	IPP	Meadow Springs Renewable Energy (Hybrid)	IL	67986	MSPRB	150.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	150.0
2026	12	64545	Vesper Energy Development LLC	IPP	Meadow Springs Renewable Energy (Hybrid)	IL	67986	MSPRE	150.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	150.0
2026	12	64545	Vesper Energy Development LLC	IPP	Mystic Springs Renewable Energy (Hybrid)	TX	67987	MYSPB	250.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	250.0
2026	12	64545	Vesper Energy Development LLC	IPP	Mystic Springs Renewable Energy (Hybrid)	TX	67987	MYSPS	250.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	250.0
2026	12	64545	Vesper Energy Development LLC	IPP	Scopus Solar	MO	68031	SCPSB	200.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	200.0
2026	12	64545	Vesper Energy Development LLC	IPP	Scopus Solar	MO	68031	SCPSR	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2026	12	64545	Vesper Energy Development LLC	IPP	Vichy Solar	MO	68036	VCHSB	200.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	200.0
2026	12	64545	Vesper Energy Development LLC	IPP	Vichy Solar	MO	68036	VCHSR	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2026	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
2027	1	66535	Belgian Renewable Energy Group (BREG)	IPP	Leuven Solar LLC	TX	67996	SEPAS	217.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	217.0
2027	1	66579	Cape HoldCo LLC	IPP	Cape Generating Station	UT	68068	CP1G2	28.0	Geothermal	GEO	ST	(T) Regulatory approvals received. Not under construction	53.0
2027	1	66579	Cape HoldCo LLC	IPP	Cape Generating Station	UT	68068	CP1G3	28.0	Geothermal	GEO	ST	(T) Regulatory approvals received. Not under construction	53.0
2027	1	61060	Cypress Creek Renewables	IPP	Soleil	TX	67664	SOLEI	450.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	450.0
2027	1	5248	Dominion Energy Inc.	Electric Utility	Coastal Virginia Offshore Wind (CVOW) Co	VA	64550	CVOWC	1,265.0	Offshore Wind Turbine	WND	WS	(T) Regulatory approvals received. Not under construction	2,640.0
2027	1	58468	Dominion Renewable Energy	IPP	Pineside Solar	VA	68075	PIPES	74.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	74.9
2027	1	50123	Leeward Asset Management, LLC	IPP	Bluebonnet Prairie Wind	TX	68082	BBP	170.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	170.0
2027	1	50123	Leeward Asset Management, LLC	IPP	Morley Solar	MO	68083	MLY	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
2027	1	50123	Leeward Asset Management, LLC	IPP	Morrow Lake BESS	TX	68084	MLB	200.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	200.0
2027	1	50123	Leeward Asset Management, LLC	IPP	Parowan Solar	UT	65823	PARB	58.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	58.0
2027	1	50123	Leeward Asset Management, LLC	IPP	Parowan Solar	UT	65823	PARS0	58.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	58.0
2027	2	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
2027	2	66376	Gransolar Texas Five LLC	IPP	Hayrick BESS	TX	67779	GRS5	113.9	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	113.9
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	66554	Cowboy Solar I	IPP	Cowboy Solar I	WY	68022	CLP20	400.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	400.0
2027	3	66554	Cowboy Solar I	IPP	Cowboy Solar I	WY	68022	CLPBS	400.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	400.0
2027	3	61060	Cypress Creek Renewables	IPP	Carriger	WA	67653	CARRI	160.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	160.0
2027	3	61060	Cypress Creek Renewables	IPP	Elk Run	CO	67655	ELKRN	200.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	200.0
2027	3	61060	Cypress Creek Renewables	IPP	Oxbow Hill	NY	67661	OXHIL	140.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	140.0
2027	3	58970	Ecoplexus, Inc	IPP	Westminister NC	NC	63567	WSMTR	70.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	70.0
2027	3	66252	Greenalia Wind Power Blue Hills, LLC	IPP	Blue Hills Wind Project	TX	67542	BHWP	276.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	276.0
2027	3	65470	Lock+ Hydro Friends Fund XLII, LLC	IPP	Bradcock Lock and Dam	PA	59091	GEN1	5.3	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	5.3
2027	3	65144	Samsung C&T Renewables, LLC	IPP	Dios BESS, LLC	TX	67918	DIOS	201.6	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	201.6
2027	3	65144	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	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	66253	Greenalia Solar Power Donegal, LLC	IPP	Donegal Solar Project	TX	67543	DOGSP	204.2	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	204.2
2027	4	66254	Greenalia Solar Power Leitrim, LLC	IPP	Leitrim Solar Park	TX	67544	LEGSP	91.2	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	91.2
2027	4	62842	Lightsources 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	4	66255	RIC Development, LLC	IPP	Jim Wells BESS	TX	67553	RIC99	100.3	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	100.3
2027	4	66509	Red River Clean Energy	IPP	Chisme Solar and Storage	TX	68078	CHIBS	146.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	146.0
2027	4	66509	Red River Clean Energy	IPP	Chisme Solar and Storage	TX	68078	CHIPV	147.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	147.0
2027	4	66360	Reliability Design & Development LLC	IPP	Imperial Power Plant LLC	TX	67742	SUGAR	144.0	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	148.0
2027	4	17166	Sierra Pacific Power Co	Electric Utility	Sierra Solar Hybrid	NV	67978	SSPV1	400.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	400.0
2027	4	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
2027	4	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
2027	4	59966	Wolf Summit Energy LLC	IPP	Wolf Summit Energy	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	Wolf Summit Energy LLC	IPP	Wolf Summit Energy	WV	60206	HCCT1	319.1	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	371.5
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	66463	51LV 8me, LLC	IPP	Bellefield 3 Solar and Battery Storage	CA	67894	51LVA	150.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	150.0
2027	5	66463	51LV 8me, LLC	IPP	Bellefield 3 Solar and Battery Storage	CA	67894	51LVB	150.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	150.0
2027	5	64904	AES Clean Energy	IPP	Willow Beach Wind	TX	68090	WILLO	200.0	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	200.0
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	66374	Gransolar Texas Four LLC	IPP	Harryoung PV and BESS	TX	67777	GRS4B	190.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	190.0
2027	5	66374	Gransolar Texas Four LLC	IPP	Harryoung PV and BESS	TX	67777	GRS4P	190.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	190.0
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	63289	Key Capture Energy	IPP	KCE NY 30, LLC	NY	67838	NY30	50.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	50.0
2027	5	63289	Key Capture Energy	IPP	KCE NY 31, LLC	NY	67839	NY31	50.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	50.0
2027	5	66369	Mission Clean Energy Devco LLC	IPP	Cumbia Energy Center	TX	67768	CECBA	200.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	200.0
2027	5	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN1	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	GEN2	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	GEN3	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	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

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	5	66255	RIC Development, LLC	IPP	Dunlay Solar	TX	67559	RIC95	150.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	180.4
2027	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
2027	5	65079	Solar Proponent LLC	IPP	Rowdy Creek Solar and BESS	TX	65854	RDYVP	700.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	700.0
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	64904	AES Clean Energy	IPP	Sycamore Cross Solar	VA	68040	SYCAM	208.2	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	208.2
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	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
2027	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
2027	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
2027	6	66380	Gransolar Texas Twenty Two LLC	IPP	RedSun PV and BESS	TX	67782	GS22B	84.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	84.0
2027	6	66380	Gransolar Texas Twenty Two LLC	IPP	RedSun PV and BESS	TX	67782	GS22P	84.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	84.0
2027	6	66369	Mission Clean Energy Devco LLC	IPP	Bramble Energy Center	TX	67767	BECBA	225.1	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	225.1
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	63359	REA Investments, LLC	IPP	Perkins Road Belfast Solar, LLC	ME	67938	PERK	4.8	Solar Photovoltaic	SUN	PV	(OP) Operating	4.8
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	64387	Sandy Creek Solar	IPP	Sandy Creek Solar	NY	64913	GEN1	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2027	6	65777	Urban Grid Solar	IPP	Beaver Creek Solar	PA	66850	BEAC1	34.2	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	34.2
2027	6	64657	Vacherie Solar Energy Center, LLC	IPP	Vacherie Solar Energy Center, LLC	LA	65345	VSEC	150.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	150.0
2027	6	65104	Vermillion Rise Solar, LLC	IPP	Vermillion Rise Solar	IN	65935	14	225.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	225.0
2027	6	66318	Zeta Solar, LLC	IPP	Zeta Solar & Storage	CA	67676	GEN01	75.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	75.0
2027	6	66318	Zeta Solar, LLC	IPP	Zeta Solar & Storage	CA	67676	GEN02	75.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	75.0
2027	7	64904	AES Clean Energy	IPP	Somerset Solar LLC	NY	67324	NYSOM	125.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2027	7	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	66384	GRS BESS Texas Seven, LLC	IPP	Steelhead Energy Storage	TX	67798	GRS7	193.7	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	193.7
2027	7	65986	Gransolar Texas Three, LLC	IPP	Pecan BESS	TX	67774	GRS3	157.1	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	157.1
2027	7	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
2027	7	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
2027	7	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
2027	7	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
2027	7	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
2027	7	64265	Notch Peak Solar LLC	IPP	Notch Peak Solar LLC	UT	64669	KOV4A	324.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	324.0
2027	7	65690	Premium Energy Holdings	IPP	Whale Rock Pumped Storage Hydro Project	CA	66685	WH001	200.0	Hydroelectric Pumped Storage	WAT	PS	(P) Planned for installation, but regulatory approvals not initiated	200.0
2027	7	65690	Premium Energy Holdings	IPP	Whale Rock Pumped Storage Hydro Project	CA	66685	WH002	200.0	Hydroelectric Pumped Storage	WAT	PS	(P) Planned for installation, but regulatory approvals not initiated	200.0
2027	7	65690	Premium Energy Holdings	IPP	Whale Rock Pumped Storage Hydro Project	CA	66685	WH003	200.0	Hydroelectric Pumped Storage	WAT	PS	(P) Planned for installation, but regulatory approvals not initiated	200.0
2027	7	64726	Rivers Electric, LLC	IPP	Mill Pond Hydro	NY	65399	U3	0.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	0.5
2027	7	17166	Sierra Pacific Power Co	Electric Utility	Sierra Solar Hybrid	NV	67978	SSES1	400.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	400.0
2027	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
2027	8	66581	GRS BESS Texas Eight LLC	IPP	Marcos PV and BESS	TX	68080	GRS8B	115.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	115.9
2027	8	66581	GRS BESS Texas Eight LLC	IPP	Marcos PV and BESS	TX	68080	GRS8P	115.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	115.9
2027	8	66377	Gransolar Texas Seventeen, LLC	IPP	Itsee Solar	TX	67780	GRS17	53.3	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	53.3
2027	8	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
2027	8	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
2027	8	65079	Solar Proponent LLC	IPP	Hollow Branch Creek 2 Solar and BESS SLF	TX	65851	HB2BS	460.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	460.0
2027	8	65079	Solar Proponent LLC	IPP	Hollow Branch Creek 2 Solar and BESS SLF	TX	65851	HB2PV	460.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	460.0
2027	9	61060	Cypress Creek Renewables	IPP	Scotch Grove Solar	NC	67663	SGROV	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2027	9	66263	Greenalia Solar Power Wittig, LLC	IPP	Wittig Solar Park	TX	67568	WIGSP	96.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	96.0
2027	9	65587	Mammoth Central LLC	IPP	Mammoth Central Solar Project	IN	66546	MMTHC	300.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	300.0
2027	9	65587	Mammoth Central LLC	IPP	Mammoth Central Solar Project	IN	66546	MTHC2	300.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	300.0
2027	9	65588	Mammoth South LLC	IPP	Mammoth South Solar Project	IN	66545	MMTHS	300.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	300.0
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	66466	452HL 8me, LLC	IPP	Pasilla Solar and Battery Storage	NM	67897	45HLA	250.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	250.0
2027	10	66466	452HL 8me, LLC	IPP	Pasilla Solar and Battery Storage	NM	67897	45HLB	250.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	250.0
2027	10	66568	Alabama Creek Solar, LLC	IPP	Alabama Creek Solar	AL	68057	BAMA1	80.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	80.0
2027	10	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
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	14063	Oklahoma Gas & Electric Co	Electric Utility	Horseshoe Lake	OK	2951	11	224.0	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	224.0
2027	10	14063	Oklahoma Gas & Electric Co	Electric Utility	Horseshoe Lake	OK	2951	12	224.0	Natural Gas Fired Combustion Turbine	NG	GT	(T) Regulatory approvals received. Not under construction	224.0
2027	10	66509	Red River Clean Energy	IPP	Concho Pearl Solar and Storage	TX	67956	CONBS	162.4	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	162.4
2027	10	66509	Red River Clean Energy	IPP	Concho Pearl Solar and Storage	TX	67956	CONPV	171.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	171.9
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	10	66530	Sandersville Solar, LLC	IPP	Sandersville Solar	GA	67988	PGR28	50.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	50.0
2027	10	19436	Union Electric Co - (MO)	Electric Utility	Castle Bluff Energy Center	MO	67576	1	175.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	216.0
2027	10	19436	Union Electric Co - (MO)	Electric Utility	Castle Bluff Energy Center	MO	67576	2	175.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	216.0
2027	10	19436	Union Electric Co - (MO)	Electric Utility	Castle Bluff Energy Center	MO	67576	3	175.0	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	216.0
2027	10	64545	Vesper Energy Development LLC	IPP	Red Hollow Renewable Energy	TX	68030	RDHLW	300.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	300.0
2027	10	64545	Vesper Energy Development LLC	IPP	Red Hollow Renewable Energy	TX	68030	RHLWB	300.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	300.0
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	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
2027	11	66531	Drawhorn Solar, LLC	IPP	Drawhorn Solar	GA	67989	PGR28	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
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	12685	Entergy Mississippi LLC	Electric Utility	Delta Solar Plant	LA	68028	DSP	80.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	80.0
2027	11	63838	Hecate Grid Switsure LLC	IPP	Switsure	NY	64235	SWFTS	121.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	121.0

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	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	11	66461	Two Oaks Solar and Storage	IPP	Two Oaks Solar and Storage LLC	VA	67884	ENX28	50.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	50.0
2027	11	64545	Vesper Energy Development LLC	IPP	Syracuse and Tours Renewable Energy	CA	68035	SYTOB	40.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	40.0
2027	11	64545	Vesper Energy Development LLC	IPP	Syracuse and Tours Renewable Energy	CA	68035	SYTOR	40.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	40.0
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	60799	33UI 8me LLC	IPP	Gale 1 Solar	UT	61170	33UI9	150.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	150.0
2027	12	64245	90F1 8me, LLC	IPP	Kingsley Solar Farm	CA	64634	90F18	225.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	225.0
2027	12	64245	90F1 8me, LLC	IPP	Kingsley Solar Farm	CA	64634	90F1B	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	Shenvaloe 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	66511	Boyles Run Solar I, LLC	IPP	BAI-Boyles Run-Phase 1	PA	67954	BRPV1	15.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	15.9
2027	12	66512	Boyles Run Solar II, LLC	IPP	BAI-Boyles Run-Phase 2	PA	67955	BRPV2	15.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	15.9
2027	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
2027	12	65697	Briggs Solar, LLC	IPP	Briggs Solar, LLC	TX	66691	BRUGG	70.5	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	70.5
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	66571	Clenora DevCo LLC	IPP	Gemstone Solar LLC	MI	68061	GEMPV	150.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	150.0
2027	12	64389	ConnectGen Chautauqua County LLC	IPP	South Ripley Solar	NY	64911	CSR1	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	CSR1	270.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	270.0
2027	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
2027	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
2027	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
2027	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
2027	12	61060	Cypress Creek Renewables	IPP	Bhalu	TX	67652	BHALU	200.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	200.0
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	66412	Emeren US, LLC	IPP	Gibson Solar Project - Hybrid	CA	67836	GSP1	13.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	13.0
2027	12	66412	Emeren US, LLC	IPP	Gibson Solar Project - Hybrid	CA	67836	GSP2	13.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	13.0
2027	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	249.9
2027	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	226.7
2027	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	226.7
2027	12	7140	Georgia Power Co	Electric Utility	Yates	GA	728	10	418.4	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	418.4
2027	12	7140	Georgia Power Co	Electric Utility	Yates	GA	728	9	418.4	Natural Gas Fired Combustion Turbine	NG	GT	(P) Planned for installation, but regulatory approvals not initiated	418.4
2027	12	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
2027	12	66521	Hodson Greendefine Jay Desoto LLC	IPP	New Jay PV & BESS	IN	67966	NEWJ1	39.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	39.0
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	63289	Key Capture Energy	IPP	KCE NY 35, LLC	NY	67840	NY35	200.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	200.0
2027	12	63289	Key Capture Energy	IPP	KCE NY 36, LLC	NY	67841	NY36	150.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	150.0
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	Mayes County Solar	OK	68066	MYS	101.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	101.5
2027	12	50123	Leeward Asset Management, LLC	IPP	Rose Gold Solar	IN	65471	RGS23	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2027	12	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
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 1, LLC	IPP	Lumberton PV 1, LLC	TX	66904	LBTN	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2027	12	66508	Moonlight Flats Solar Power, LLC	IPP	Moonlight Flats Solar Power 2	PA	67951	MFS2	126.5	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	126.5
2027	12	66508	Moonlight Flats Solar Power, LLC	IPP	Moonlight Flats Solar Power 3	PA	67953	MFS3	202.4	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	202.4
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	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
2027	12	66448	Parks Valley Energy LLC	IPP	Parks Valley Energy LLC	WV	67874	ENX32	150.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	150.0
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	Sunrayer Assets 1 LLC	IPP	Albatross Solar, LLC	TX	66894	ALBBA	50.4	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	50.4
2027	12	65815	Sunrayer Assets 1 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
2027	12	65815	Sunrayer Assets 1 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	Sunrayer Assets 1 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

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	12	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
2027	12	64545	Vesper Energy Development LLC	IPP	Firefly Solar PA	PA	67984	FFLPA	401.6	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	401.6
2027	12	64545	Vesper Energy Development LLC	IPP	Sunrose Renewable Energy	TX	68033	SNRSE	300.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	300.0
2027	12	64545	Vesper Energy Development LLC	IPP	Sunrose Renewable Energy	TX	68033	SRSEB	300.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	300.0
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	58468	Dominion Renewable Energy	IPP	Rocky Run Solar	VA	68076	ROCKY	300.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	300.0
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	EYTCR	76.4	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	76.4
2028	1	66375	Gransolar Texas Sixteen, LLC	IPP	Findley PV and BESS	TX	67778	GR16B	50.3	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	50.3
2028	1	66375	Gransolar Texas Sixteen, LLC	IPP	Findley PV and BESS	TX	67778	GR16P	50.3	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	50.3
2028	1	66564	Rodatherm Energy Corporation	Electric CHP	Rodatherm Milford 1	UT	68044	RODA1	1.8	Geothermal	GEO	BT	(U) Under construction, less than or equal to 50 percent complete	1.8
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	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
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 LL	ME	64071	LJNPV	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2028	3	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
2028	3	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
2028	3	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
2028	3	12685	Entergy Mississippi LLC	Electric Utility	Penton Solar Plant	MS	68029	PSP	190.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	190.0
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	61060	Cypress Creek Renewables	IPP	Malala	TX	67660	MALAL	200.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	200.0
2028	4	11241	Entergy Louisiana LLC	Electric Utility	Bayou Power Station	LA	67541	RICE1	18.8	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.8
2028	4	11241	Entergy Louisiana LLC	Electric Utility	Bayou Power Station	LA	67541	RICE2	18.8	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.8
2028	4	11241	Entergy Louisiana LLC	Electric Utility	Bayou Power Station	LA	67541	RICE3	18.8	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.8
2028	4	11241	Entergy Louisiana LLC	Electric Utility	Bayou Power Station	LA	67541	RICE4	18.8	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.8
2028	4	11241	Entergy Louisiana LLC	Electric Utility	Bayou Power Station	LA	67541	RICE5	18.8	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.8
2028	4	11241	Entergy Louisiana LLC	Electric Utility	Bayou Power Station	LA	67541	RICE6	18.8	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	18.8
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	66255	RIC Development, LLC	IPP	Blackcat BESS	TX	67558	RIC96	200.6	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	200.6
2028	4	66255	RIC Development, LLC	IPP	Menard Solar	TX	67561	RIC93	90.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	90.0
2028	4	66255	RIC Development, LLC	IPP	Serrano BESS	TX	67556	RIC97	185.6	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	185.6
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	4	64545	Vesper Energy Development LLC	IPP	Aurora Renewable Energy (Hybrid)	CA	67983	AURRB	50.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	50.0
2028	4	64545	Vesper Energy Development LLC	IPP	Aurora Renewable Energy (Hybrid)	CA	67983	AURRE	50.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	50.0
2028	5	12685	Entergy Mississippi LLC	Electric Utility	Delta Blues Advanced Power Station	MS	67914	1A	562.0	Natural Gas Fired Combined Cycle	NG	CT	(L) Regulatory approvals pending. Not under construction	562.0
2028	5	12685	Entergy Mississippi LLC	Electric Utility	Delta Blues Advanced Power Station	MS	67914	1B	402.0	Natural Gas Fired Combined Cycle	NG	CA	(L) Regulatory approvals pending. Not under construction	402.0
2028	5	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN13	37.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2028	5	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN14	37.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2028	5	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN15	37.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2028	5	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN16	37.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2028	5	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN17	37.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2028	5	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN18	37.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2028	5	61906	Rye Development	IPP	Grenada Lake Hydroelectric Project	MS	62430	NA2	4.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	5.0
2028	6	62161	Cubico USA, LLC	IPP	Centaurus Solar - GA	GA	67787	CENTA	400.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	400.0
2028	6	50123	Leeward Asset Management, LLC	IPP	Owens Creek Solar	IL	65446	OCS	500.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	500.0
2028	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
2028	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
2028	6	66527	May Renewables LLC	IPP	May Renewables	SC	67981	MAY	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
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	6	64545	Vesper Energy Development LLC	IPP	Athens Solar I (Hybrid)	CA	67982	ATHS1	250.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	250.0
2028	6	64545	Vesper Energy Development LLC	IPP	Athens Solar I (Hybrid)	CA	67982	ATHSB	250.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	250.0
2028	6	64545	Vesper Energy Development LLC	IPP	Cooper Canyon Renewable Energy	NV	68017	CCREB	100.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	100.0
2028	6	64545	Vesper Energy Development LLC	IPP	Skylight Renewable Energy	CA	68032	SKLRE	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2028	6	64545	Vesper Energy Development LLC	IPP	Skylight Renewable Energy	CA	68032	SKREB	100.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	100.0
2028	7	55937	Entergy Texas Inc.	Electric Utility	Legend Power Station	TX	68053	LEG	723.0	Natural Gas Fired Combined Cycle	NG	CC	(L) Regulatory approvals pending. Not under construction	754.0
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	64547	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
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				

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	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	66560	Elliot Solar LLC	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
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	10	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
2028	10	64545	Vesper Energy Development LLC	IPP	Sunscape Renewable Energy	TX	68034	SNSCB	500.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	500.0
2028	10	64545	Vesper Energy Development LLC	IPP	Sunscape Renewable Energy	TX	68034	SNSCP	500.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	500.0
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	99MTB	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	64904	AES Clean Energy	IPP	Robeson Solar 1	NC	68043	ROBES	80.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	80.0
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	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
2028	12	66508	Moonlight Flats Solar Power, LLC	IPP	Moonlight Flats Solar Power 1	PA	67950	MFS1	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	14354	PacificCorp	IPP	Arco Wind and Solar Project	ID	66651	C2-92	206.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	206.0
2028	12	66490	Pigeon Run Solar, LLC	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
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	65144	Samsung C&T Renewables, LLC	IPP	Richwood Solar and Storage	OH	68019	RICBA	50.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	50.0
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
2028	12	66259	Vista Sands Solar LLC	IPP	Vista Sands Solar	WI	67551	VISTA	1,182.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	1,182.0
2028	12	66491	Zenith Solar, LLC	IPP	Zenith Solar	VA	64768	TC001	60.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	60.0
2029	1	66397	CG Northwestern Solar I LLC	IPP	Robinson Solar	NV	67819	CRSB1	1,000.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	1,000.0
2029	1	66397	CG Northwestern Solar I LLC	IPP	Robinson Solar	NV	67819	CRSS1	1,000.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	1,000.0
2029	4	66430	Kingstree East 230 LLC	IPP	Kingstree East 230 Solar Project	SC	67862	SOLAR	249.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	249.0
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	9	64970	Hecate Grid Humidor Storage 1 LLC	IPP	Humidor Storage 1	CA	65703	HEHUM	300.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	300.0
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	I-A	892.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	892.8
2029	12	58842	Power Company of Wyoming LLC	IPP	Chokecherry and Sierra Madre Wind	WY	58987	I-B	885.6	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	885.6
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	58468	Dominion Renewable Energy	IPP	Bellflower Solar (VA)	VA	68071	BELLF	600.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	600.0
2030	1	59983	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	4	66464	210MS 8me, LLC	IPP	Brittlebush Solar and Battery Storage	TX	67895	21MSA	400.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	400.0
2030	4	66464	210MS 8me, LLC	IPP	Brittlebush Solar and Battery Storage	TX	67895	21MSB	400.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	400.0
2030	4	64452	EDF Renewables Development, Inc.	IPP	Lycan Solar Project	CA	66805	LYCN2	400.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	400.0
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
2030	12	58842	Power Company of Wyoming LLC	IPP	Chokecherry and Sierra Madre Wind	WY	58987	II-A	980.1	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	980.1
2031	6	66527	May Renewables LLC	IPP	May Renewables	SC	67981	MAYB	100.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	100.0
2031	12	58842	Power Company of Wyoming LLC	IPP	Chokecherry and Sierra Madre Wind	WY	58987	II-B	792.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	792.0
2039	12	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
2039	12	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

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 6.6. 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	10	5347	Dow Chemical Co	Industrial	LaO Energy Systems	LA	52006	GEN4	49.0	Natural Gas Fired Combined Cycle	NG	CA
2024	10	11208	Los Angeles Department of Water & Power	Commercial	North Hollywood	CA	57854	1PT1	1.8	Conventional Hydroelectric	WAT	HY
2024	10	11208	Los Angeles Department of Water & Power	Commercial	North Hollywood	CA	57854	1PT2	1.8	Conventional Hydroelectric	WAT	HY
2024	10	11208	Los Angeles Department of Water & Power	Commercial	North Hollywood	CA	57854	1PT3	1.8	Conventional Hydroelectric	WAT	HY
2024	10	11208	Los Angeles Department of Water & Power	Commercial	North Hollywood	CA	57854	3T1	0.5	Conventional Hydroelectric	WAT	HY
2024	10	11208	Los Angeles Department of Water & Power	Commercial	North Hollywood	CA	57854	3T2	0.2	Conventional Hydroelectric	WAT	HY
2024	10	61950	Terra-Gen Operating Co-Solar	IPP	SEGS IX	CA	10446	GEN1	88.0	Solar Thermal without Energy Storage	SUN	ST
2024	11	1058	B Braun Medical Inc	Industrial	B Braun Medical	CA	50200	GEN1	2.7	Natural Gas Fired Combustion Turbine	NG	GT
2024	11	1058	B Braun Medical Inc	Industrial	B Braun Medical	CA	50200	GEN2	3.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	11	5347	Dow Chemical Co	Industrial	LaO Energy Systems	LA	52006	GEN2	80.0	Natural Gas Fired Combined Cycle	NG	CA
2024	11	5347	Dow Chemical Co	Industrial	LaO Energy Systems	LA	52006	GEN3	94.0	Natural Gas Fired Combined Cycle	NG	CA
2024	11	13914	Occidental Chemical Corporation	Industrial	Wichita Plant	KS	50169	GEN1	27.0	Natural Gas Fired Combustion Turbine	NG	GT
2024	12	1278	City of Barron - (WI)	Electric Utility	Barron	WI	4102	1A	1.1	Petroleum Liquids	DFO	IC
2024	12	1278	City of Barron - (WI)	Electric Utility	Barron	WI	4102	2A	1.1	Petroleum Liquids	DFO	IC
2024	12	1278	City of Barron - (WI)	Electric Utility	Barron	WI	4102	3A	1.1	Petroleum Liquids	DFO	IC
2024	12	1278	City of Barron - (WI)	Electric Utility	Barron	WI	4102	4	1.1	Petroleum Liquids	DFO	IC
2024	12	1278	City of Barron - (WI)	Electric Utility	Barron	WI	4102	8	1.3	Petroleum Liquids	DFO	IC
2024	12	1278	City of Barron - (WI)	Electric Utility	Barron	WI	4102	9	2.0	Petroleum Liquids	DFO	IC
2024	12	5416	Duke Energy Carolinas, LLC	Electric Utility	G G Allen	NC	2718	1	120.0	Conventional Steam Coal	BIT	ST
2024	12	7601	Green Mountain Power Corp	Electric Utility	Rutland	VT	3723	GT5	8.4	Petroleum Liquids	DFO	IC
2024	12	8453	Hendricks Regional Health	Commercial	Hendricks Regional Health	IN	54731	GEO1	0.5	Petroleum Liquids	DFO	IC
2024	12	8453	Hendricks Regional Health	Commercial	Hendricks Regional Health	IN	54731	GEO2	0.5	Petroleum Liquids	DFO	IC
2024	12	8453	Hendricks Regional Health	Commercial	Hendricks Regional Health	IN	54731	GEO3	0.3	Petroleum Liquids	DFO	IC
2024	12	59504	Kirkwood Community College	IPP	Kirkwood Wind Turbine	IA	59735	KCC01	0.7	Onshore Wind Turbine	WND	WT
2024	12	11249	Louisville Gas & Electric Co	Electric Utility	Mill Creek (KY)	KY	1364	1	300.0	Conventional Steam Coal	BIT	ST
2024	12	15400	Procter & Gamble Co	Industrial	Procter & Gamble Cincinnati Plant	OH	50456	GEN1	11.7	Natural Gas Steam Turbine	NG	ST
2024	12	16534	Sacramento Municipal Util Dist	Electric Utility	White Rock/Slab Creek	CA	435	H4	0.5	Conventional Hydroelectric	WAT	HY
2024	12	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	G10	15.1	Petroleum Liquids	DFO	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	G11	15.1	Petroleum Liquids	DFO	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	G12	15.1	Petroleum Liquids	DFO	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	G13	15.1	Petroleum Liquids	DFO	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	G14	15.1	Petroleum Liquids	DFO	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	G15	15.1	Petroleum Liquids	DFO	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	G16	15.1	Petroleum Liquids	DFO	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	G17	46.4	Petroleum Liquids	DFO	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	G18	46.4	Petroleum Liquids	DFO	GT
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	GT1	15.1	Petroleum Liquids	DFO	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	GT2	15.1	Petroleum Liquids	DFO	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	GT3	15.1	Petroleum Liquids	DFO	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	GT4	15.1	Petroleum Liquids	DFO	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	GT5	15.1	Petroleum Liquids	DFO	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	GT6	15.1	Petroleum Liquids	DFO	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	GT7	15.1	Petroleum Liquids	DFO	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	GT8	15.1	Petroleum Liquids	DFO	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Allen	TN	3393	GT9	15.1	Petroleum Liquids	DFO	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	G11	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	G12	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	G13	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	G14	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	G15	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	G16	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2025	1	17568	Cooperative Energy	Electric Utility	Moselle	MS	2070	3	59.0	Natural Gas Steam Turbine	NG	ST
2025	1	5347	Dow Chemical Co	Industrial	LaO Energy Systems	LA	52006	GEN6	52.0	Natural Gas Fired Combined Cycle	NG	CT
2025	3	16604	City of San Antonio - (TX)	Electric Utility	V H Braunig	TX	3612	1	217.0	Natural Gas Steam Turbine	NG	ST
2025	3	16604	City of San Antonio - (TX)	Electric Utility	V H Braunig	TX	3612	2	230.0	Natural Gas Steam Turbine	NG	ST
2025	3	16604	City of San Antonio - (TX)	Electric Utility	V H Braunig	TX	3612	3	412.0	Natural Gas Steam Turbine	NG	ST
2025	4	6452	Florida Power & Light Co	Electric Utility	Pea Ridge	FL	7715	1	4.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	4	6452	Florida Power & Light Co	Electric Utility	Pea Ridge	FL	7715	2	4.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	4	6452	Florida Power & Light Co	Electric Utility	Pea Ridge	FL	7715	3	4.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	4	65792	IIT Energy Tech Partners, LLC	Commercial	ITT Cogen Facility	IL	52021	GEN1	3.5	Natural Gas Fired Combustion Turbine	NG	GT
2025	4	65792	IIT Energy Tech Partners, LLC	Commercial	ITT Cogen Facility	IL	52021	GEN2	3.5	Natural Gas Fired Combustion Turbine	NG	GT

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2025	5	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	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	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	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	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	7	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	G10	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2025	7	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	GT1	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2025	7	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	GT2	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2025	7	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	GT3	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2025	7	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	GT4	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2025	7	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	GT5	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2025	7	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	GT6	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2025	7	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	GT7	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2025	7	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	GT8	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2025	7	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	GT9	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2025	8	13157	City of Omaha	Commercial	Papillion Creek Wastewater	NE	55027	951	0.5	Other Waste Biomass	OBG	IC
2025	8	13157	City of Omaha	Commercial	Papillion Creek Wastewater	NE	55027	952	0.5	Other Waste Biomass	OBG	IC
2025	8	13157	City of Omaha	Commercial	Papillion Creek Wastewater	NE	55027	953	0.5	Other Waste Biomass	OBG	IC
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GE10	0.8	Landfill Gas	LFG	IC
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GE11	0.8	Landfill Gas	LFG	IC
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GE12	0.8	Landfill Gas	LFG	IC
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GE13	0.8	Landfill Gas	LFG	IC
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GE14	0.8	Landfill Gas	LFG	IC
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GEN5	0.8	Landfill Gas	LFG	IC
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GEN6	0.8	Landfill Gas	LFG	IC
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GEN7	0.8	Landfill Gas	LFG	IC
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GEN8	0.8	Landfill Gas	LFG	IC
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GEN9	0.8	Landfill Gas	LFG	IC
2025	11	13781	Northern States Power Co - Minnesota	Electric Utility	Trego	WI	4012	1	0.4	Conventional Hydroelectric	WAT	HY
2025	11	13781	Northern States Power Co - Minnesota	Electric Utility	Trego	WI	4012	2	0.3	Conventional Hydroelectric	WAT	HY
2025	12	2138	Brainerd Public Utilities	Electric Utility	Brainerd Public Utilities	MN	50636	4	0.6	Conventional Hydroelectric	WAT	HY
2025	12	65384	Cartier Energy, LLC	Commercial	Hartford Hospital Cogeneration	CT	52061	GEN2	2.4	Natural Gas Fired Combined Cycle	NG	CA
2025	12	65384	Cartier Energy, LLC	Commercial	Hartford Hospital Cogeneration	CT	52061	GEN3	6.2	Natural Gas Fired Combined Cycle	NG	CT
2025	12	3249	Central Hudson Gas & Elec Corp	Electric Utility	Central Hudson High Falls	NY	579	1	3.2	Conventional Hydroelectric	WAT	HY
2025	12	3249	Central Hudson Gas & Elec Corp	Electric Utility	West Coxsackie	NY	2487	GT1	20.2	Natural Gas Fired Combustion Turbine	NG	GT
2025	12	17539	Dominion Energy South Carolina, Inc	Electric Utility	Coit GT	SC	3281	1	14.0	Petroleum Liquids	DFO	GT
2025	12	17539	Dominion Energy South Carolina, Inc	Electric Utility	Coit GT	SC	3281	2	12.0	Petroleum Liquids	DFO	GT
2025	12	5517	Dynegy Midwest Generation Inc	IPP	Baldwin Energy Complex	IL	889	1	576.0	Conventional Steam Coal	SUB	ST
2025	12	5517	Dynegy Midwest Generation Inc	IPP	Baldwin Energy Complex	IL	889	2	581.0	Conventional Steam Coal	SUB	ST
2025	12	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

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2025	12	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	14328	Pacific Gas & Electric Co.	Electric Utility	Cow Creek	CA	229	1	0.9	Conventional Hydroelectric	WAT	HY
2025	12	14328	Pacific Gas & Electric Co.	Electric Utility	Cow Creek	CA	229	2	0.9	Conventional Hydroelectric	WAT	HY
2025	12	14328	Pacific Gas & Electric Co.	Electric Utility	Kilarc	CA	253	1	1.6	Conventional Hydroelectric	WAT	HY
2025	12	15466	Public Service Co of Colorado	Electric Utility	Comanche (CO)	CO	470	2	335.0	Conventional Steam Coal	SUB	ST
2025	12	17633	Southern Indiana Gas & Elec Co	Electric Utility	F B Culley	IN	1012	2	90.0	Conventional Steam Coal	BIT	ST
2025	12	17698	Southwestern Electric Power Co	Electric Utility	Arsenal Hill	LA	1416	5	110.0	Natural Gas Steam Turbine	NG	ST
2025	12	17718	Southwestern Public Service Co	Electric Utility	Cunningham	NM	2454	2	183.0	Natural Gas Steam Turbine	NG	ST
2025	12	17718	Southwestern Public Service Co	Electric Utility	Maddox	NM	2446	2	61.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	12	17718	Southwestern Public Service Co	Electric Utility	Maddox	NM	2446	3	10.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	12	19099	TransAlta Centralia Gen LLC	IPP	Transalta Centralia Generation	WA	3845	2	670.0	Conventional Steam Coal	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	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	13WT	0.1	Onshore Wind Turbine	WND	WT
2026	5	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	14wt	0.1	Onshore Wind Turbine	WND	WT
2026	5	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	15WT	0.1	Onshore Wind Turbine	WND	WT
2026	5	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	16WT	0.1	Onshore Wind Turbine	WND	WT
2026	5	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	17WT	0.1	Onshore Wind Turbine	WND	WT
2026	5	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	1WT	0.6	Onshore Wind Turbine	WND	WT
2026	5	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	2WT	0.1	Onshore Wind Turbine	WND	WT
2026	5	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	3WT	0.2	Onshore Wind Turbine	WND	WT
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	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	11wt	0.1	Onshore Wind Turbine	WND	WT
2026	6	13902	NorthWestern Energy (MT Hydro)	Electric Utility	Hauser	MT	2185	HAU3	2.8	Conventional Hydroelectric	WAT	HY
2026	6	20856	Wisconsin Power & Light Co	Electric Utility	Columbia (WI)	WI	8023	1	556.2	Conventional Steam Coal	SUB	ST
2026	6	20856	Wisconsin Power & Light Co	Electric Utility	Columbia (WI)	WI	8023	2	561.8	Conventional Steam Coal	SUB	ST
2026	8	60474	Vanguard Energy Partners, LLC	IPP	Bergenmand Solar Partners, LLC Mahwah	NJ	63200	SA1	0.5	Solar Photovoltaic	SUN	PV
2026	10	60094	Clinton Battery Utility, LLC	IPP	Clinton Battery	OH	60297	1	5.0	Batteries	MWH	BA
2026	10	55937	Entergy Texas Inc.	Electric Utility	Sabine	TX	3459	1	201.1	Natural Gas Steam Turbine	NG	ST
2026	10	6909	Gainesville Regional Utilities	Electric Utility	Deerhaven Generating Station	FL	663	GT1	17.5	Natural Gas Fired Combustion Turbine	NG	GT
2026	10	6909	Gainesville Regional Utilities	Electric Utility	Deerhaven Generating Station	FL	663	GT2	17.5	Natural Gas Fired Combustion Turbine	NG	GT
2026	10	21048	Wyandotte Municipal Serv Comm	Electric Utility	Wyandotte	MI	1866	4	10.5	Natural Gas Steam Turbine	NG	ST
2026	10	21048	Wyandotte Municipal Serv Comm	Electric Utility	Wyandotte	MI	1866	7	32.0	Natural Gas Steam Turbine	NG	ST
2026	11	60538	Vitro Architectural Glass	Industrial	Works 4	TX	54364	L2G	2.0	Petroleum Liquids	DFO	IC
2026	12	22148	AES Alamitos LLC	IPP	AES Alamitos LLC	CA	315	3	332.0	Natural Gas Steam Turbine	NG	ST
2026	12	22148	AES Alamitos LLC	IPP	AES Alamitos LLC	CA	315	4	335.0	Natural Gas Steam Turbine	NG	ST
2026	12	22148	AES Alamitos LLC	IPP	AES Alamitos LLC	CA	315	5	485.0	Natural Gas Steam Turbine	NG	ST
2026	12	23693	AES Huntington Beach LLC	IPP	AES Huntington Beach LLC	CA	335	2	225.8	Natural Gas Steam Turbine	NG	ST
2026	12	5701	El Paso Electric Co	Electric Utility	Rio Grande	NM	2444	6	45.0	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	13781	Northern States Power Co - Minnesota	Electric Utility	Inver Hills	MN	1913	1	47.0	Natural Gas Fired Combustion Turbine	NG	GT

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2026	12	13781	Northern States Power Co - Minnesota	Electric Utility	Inver Hills	MN	1913	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	Petroleum Liquids	DFO	GT
2026	12	15466	Public Service Co of Colorado	Electric Utility	Alamosa	CO	464	CT2	14.0	Petroleum Liquids	DFO	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	814	Entergy Arkansas LLC	Electric Utility	Lake Catherine	AR	170	4	522.0	Natural Gas Steam Turbine	NG	ST
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	9	66075	Old Gold Energy Center, LLC	IPP	Old Gold Energy Center, LLC	IA	55804	NM	80.0	Onshore Wind Turbine	WND	WT
2027	12	56570	Coletto Creek Power LP	IPP	Coletto 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	5701	El Paso Electric Co	Electric Utility	Rio Grande	NM	2444	7	46.0	Natural Gas Steam Turbine	NG	ST
2027	12	6909	Gainesville Regional Utilities	Electric Utility	Deerhaven Generating Station	FL	663	1	76.0	Natural Gas Steam Turbine	NG	ST
2027	12	520	Illinois Power Generating Co	IPP	Newton	IL	6017	1	595.0	Conventional Steam Coal	SUB	ST
2027	12	59919	Luminant Miami Fort	IPP	Miami Fort	OH	2832	7	510.0	Conventional Steam Coal	BIT	ST
2027	12	59919	Luminant Miami Fort	IPP	Miami Fort	OH	2832	8	510.0	Conventional Steam Coal	BIT	ST
2027	12	12686	Mississippi Power Co	Electric Utility	Victor J Daniel Jr	MS	6073	1	502.0	Conventional Steam Coal	SUB	ST
2027	12	12686	Mississippi Power Co	Electric Utility	Victor J Daniel Jr	MS	6073	2	502.0	Conventional Steam Coal	SUB	ST
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	Red Wing	MN	1926	1	9.0	Municipal Solid Waste	MSW	ST
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	Red Wing	MN	1926	2	9.0	Municipal Solid Waste	MSW	ST
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	St Croix Falls	WI	4011	1	1.8	Conventional Hydroelectric	WAT	HY
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	St Croix Falls	WI	4011	2	1.8	Conventional Hydroelectric	WAT	HY
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	St Croix Falls	WI	4011	3	1.9	Conventional Hydroelectric	WAT	HY
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	St Croix Falls	WI	4011	4	1.9	Conventional Hydroelectric	WAT	HY
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	St Croix Falls	WI	4011	5	2.0	Conventional Hydroelectric	WAT	HY
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	St Croix Falls	WI	4011	6	1.9	Conventional Hydroelectric	WAT	HY
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	St Croix Falls	WI	4011	7	2.0	Conventional Hydroelectric	WAT	HY
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	St Croix Falls	WI	4011	8	1.9	Conventional Hydroelectric	WAT	HY

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	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	6	11241	Entergy Louisiana LLC	Electric Utility	Waterford 1 & 2	LA	8056	2	416.8	Natural Gas Steam Turbine	NG	ST
2028	9	17166	Sierra Pacific Power Co	Electric Utility	Brunswick	NV	6510	1	2.0	Petroleum Liquids	DFO	IC
2028	9	17166	Sierra Pacific Power Co	Electric Utility	Brunswick	NV	6510	2	2.0	Petroleum Liquids	DFO	IC
2028	9	17166	Sierra Pacific Power Co	Electric Utility	Brunswick	NV	6510	3	2.0	Petroleum Liquids	DFO	IC
2028	9	17166	Sierra Pacific Power Co	Electric Utility	Fort Churchill	NV	2330	1	113.0	Natural Gas Steam Turbine	NG	ST
2028	9	17166	Sierra Pacific Power Co	Electric Utility	Fort Churchill	NV	2330	2	113.0	Natural Gas Steam Turbine	NG	ST
2028	9	30151	Tri-State G & T Assn, Inc	Electric Utility	Craig (CO)	CO	6021	2	410.0	Conventional Steam Coal	SUB	ST
2028	11	56898	Sunnyvale City of WPCP	Electric Utility	Sunnyvale City of WPCP	CA	57557	S-14	0.8	Natural Gas Internal Combustion Engine	NG	IC
2028	12	61412	Cardinal Operating Company	IPP	Cardinal	OH	2828	3	620.0	Conventional Steam Coal	BIT	ST
2028	12	16604	City of San Antonio - (TX)	Electric Utility	J K Spruce	TX	7097	1	560.0	Conventional Steam Coal	SUB	ST
2028	12	5109	DTE Electric Company	Electric Utility	Belle River	MI	6034	ST1	635.0	Conventional Steam Coal	SUB	ST
2028	12	5109	DTE Electric Company	Electric Utility	Belle River	MI	6034	ST2	635.0	Conventional Steam Coal	SUB	ST
2028	12	5109	DTE Electric Company	Electric Utility	Monroe (MI)	MI	1733	3	773.0	Conventional Steam Coal	SUB	ST
2028	12	5109	DTE Electric Company	Electric Utility	Monroe (MI)	MI	1733	4	762.0	Conventional Steam Coal	SUB	ST
2028	12	9324	Indiana Michigan Power Co	Electric Utility	Rockport	IN	6166	1	1,300.0	Conventional Steam Coal	SUB	ST
2028	12	9324	Indiana Michigan Power Co	Electric Utility	Rockport	IN	6166	2	1,300.0	Conventional Steam Coal	SUB	ST
2028	12	61944	MN8 Energy LLC	IPP	ACCC Mays Landing	NJ	60802	PV1	1.4	Solar Photovoltaic	SUN	PV
2028	12	61944	MN8 Energy LLC	IPP	IFF Hazlet	NJ	60709	GRND	3.0	Solar Photovoltaic	SUN	PV
2028	12	11843	Maui Electric Co Ltd	Electric Utility	Kahului	HI	6056	1	4.7	Petroleum Liquids	RFO	ST
2028	12	11843	Maui Electric Co Ltd	Electric Utility	Kahului	HI	6056	2	4.8	Petroleum Liquids	RFO	ST
2028	12	11843	Maui Electric Co Ltd	Electric Utility	Kahului	HI	6056	3	11.0	Petroleum Liquids	RFO	ST
2028	12	11843	Maui Electric Co Ltd	Electric Utility	Kahului	HI	6056	4	11.9	Petroleum Liquids	RFO	ST
2028	12	15466	Public Service Co of Colorado	Electric Utility	Hayden	CO	525	1	179.0	Conventional Steam Coal	BIT	ST
2028	12	17718	Southwestern Public Service Co	Electric Utility	Maddox	NM	2446	1	112.0	Natural Gas Steam Turbine	NG	ST
2028	12	17718	Southwestern Public Service Co	Electric Utility	Tolk	TX	6194	1	532.0	Conventional Steam Coal	SUB	ST
2028	12	17718	Southwestern Public Service Co	Electric Utility	Tolk	TX	6194	2	535.0	Conventional Steam Coal	SUB	ST
2028	12	18642	Tennessee Valley Authority	Electric Utility	Cumberland (TN)	TN	3399	1	1,239.0	Conventional Steam Coal	BIT	ST
2028	12	19436	Union Electric Co - (MO)	Electric Utility	Sioux	MO	2107	1	487.0	Conventional Steam Coal	SUB	ST
2028	12	19436	Union Electric Co - (MO)	Electric Utility	Sioux	MO	2107	2	487.0	Conventional Steam Coal	SUB	ST
2029	3	16604	City of San Antonio - (TX)	Electric Utility	O W Sommers	TX	3611	2	410.0	Natural Gas Steam Turbine	NG	ST
2029	6	65384	Cartier Energy, LLC	Commercial	Hartford Hospital Cogeneration	CT	52061	GEN4	1.4	Other Natural Gas	NG	FC
2029	6	11241	Entergy Louisiana LLC	Electric Utility	Little Gypsy	LA	1402	3	496.1	Natural Gas Steam Turbine	NG	ST
2029	9	10875	Lee County Board-Commissioners	IPP	Lee County Solid Waste Energy	FL	52010	GEN1	39.0	Municipal Solid Waste	MSW	ST

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	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	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	1	15474	Public Service Co of Oklahoma	Electric Utility	Weleetka	OK	2966	4	55.0	Natural Gas Fired Combustion Turbine	NG	GT
2030	1	15474	Public Service Co of Oklahoma	Electric Utility	Weleetka	OK	2966	5	53.0	Natural Gas Fired Combustion Turbine	NG	GT
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	BIT	ST
2031	12	803	Arizona Public Service Co	Electric Utility	Four Corners	NM	2442	5	770.0	Conventional Steam Coal	BIT	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	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

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
2032	8	64400	Flower Valley	IPP	Flower Valley I	TX	64915	FLRV1	9.9	Batteries	MWH	BA
2032	12	5109	DTE Electric Company	Electric Utility	Monroe (MI)	MI	1733	1	758.0	Conventional Steam Coal	SUB	ST
2032	12	5109	DTE Electric Company	Electric Utility	Monroe (MI)	MI	1733	2	773.0	Conventional Steam Coal	SUB	ST
2032	12	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	GTA	20.5	Natural Gas Fired Combined Cycle	NG	CT
2032	12	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	GTB	20.5	Natural Gas Fired Combined Cycle	NG	CT
2032	12	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	GTC	20.5	Natural Gas Fired Combined Cycle	NG	CT
2032	12	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	STM	24.0	Natural Gas Fired Combined Cycle	NG	CA
2032	12	14354	PacifiCorp	Electric Utility	Gadsby	UT	3648	1	64.0	Natural Gas Steam Turbine	NG	ST
2032	12	14354	PacifiCorp	Electric Utility	Gadsby	UT	3648	2	69.0	Natural Gas Steam Turbine	NG	ST
2032	12	14354	PacifiCorp	Electric Utility	Gadsby	UT	3648	3	104.5	Natural Gas Steam Turbine	NG	ST
2032	12	14354	PacifiCorp	Electric Utility	Gadsby	UT	3648	4	39.6	Natural Gas Fired Combustion Turbine	NG	GT
2032	12	14354	PacifiCorp	Electric Utility	Gadsby	UT	3648	5	39.6	Natural Gas Fired Combustion Turbine	NG	GT
2032	12	14354	PacifiCorp	Electric Utility	Gadsby	UT	3648	6	36.9	Natural Gas Fired Combustion Turbine	NG	GT
2032	12	16553	Saguaro Power Co	Electric CHP	Saguaro Power	NV	54271	CTG1	36.0	Natural Gas Fired Combined Cycle	NG	CT
2032	12	16553	Saguaro Power Co	Electric CHP	Saguaro Power	NV	54271	CTG2	36.0	Natural Gas Fired Combined Cycle	NG	CT
2032	12	16553	Saguaro Power Co	Electric CHP	Saguaro Power	NV	54271	STG	29.0	Natural Gas Fired Combined Cycle	NG	CA
2032	12	16572	Salt River Project	Electric Utility	Coronado	AZ	6177	CO1	380.0	Conventional Steam Coal	SUB	ST
2032	12	16572	Salt River Project	Electric Utility	Coronado	AZ	6177	CO2	382.0	Conventional Steam Coal	SUB	ST
2032	12	24211	Tucson Electric Power Co	Electric Utility	Springerville	AZ	8223	2	406.0	Conventional Steam Coal	SUB	ST
2033	6	11241	Entergy Louisiana LLC	Electric Utility	Nine Mile Point	LA	1403	5	721.5	Natural Gas Steam Turbine	NG	ST
2033	12	5701	El Paso Electric Co	Electric Utility	Rio Grande	NM	2444	8	139.0	Natural Gas Steam Turbine	NG	ST
2033	12	17543	South Carolina Public Service Authority	Electric Utility	Hilton Head	SC	3318	1	16.0	Petroleum Liquids	DFO	GT
2033	12	17543	South Carolina Public Service Authority	Electric Utility	Hilton Head	SC	3318	2	16.0	Petroleum Liquids	DFO	GT
2033	12	17543	South Carolina Public Service Authority	Electric Utility	Hilton Head	SC	3318	3	52.0	Petroleum Liquids	DFO	GT
2033	12	17543	South Carolina Public Service Authority	Electric Utility	Myrtle Beach	SC	3320	1	8.0	Petroleum Liquids	DFO	GT
2033	12	17543	South Carolina Public Service Authority	Electric Utility	Myrtle Beach	SC	3320	2	8.0	Petroleum Liquids	DFO	GT
2033	12	17543	South Carolina Public Service Authority	Electric Utility	Myrtle Beach	SC	3320	3	19.0	Petroleum Liquids	DFO	GT
2033	12	18642	Tennessee Valley Authority	Electric Utility	Shawnee	KY	1379	1	134.0	Conventional Steam Coal	SUB	ST
2033	12	18642	Tennessee Valley Authority	Electric Utility	Shawnee	KY	1379	2	134.0	Conventional Steam Coal	SUB	ST
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	Natural Gas Steam Turbine	NG	ST
2037	12	14354	PacifiCorp	Electric Utility	Jim Bridger	WY	8066	2	539.0	Natural Gas Steam Turbine	NG	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

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	7	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	PV5	0.1	Solar Photovoltaic	SUN	PV
2040	7	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	PV6	0.1	Solar Photovoltaic	SUN	PV
2040	7	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	PV7	0.1	Solar Photovoltaic	SUN	PV
2040	7	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	PV8	0.1	Solar Photovoltaic	SUN	PV
2040	12	17718	Southwestern Public Service Co	Electric Utility	Cunningham	NM	2454	3	106.0	Natural Gas Fired Combustion Turbine	NG	GT
2040	12	17718	Southwestern Public Service Co	Electric Utility	Cunningham	NM	2454	4	103.0	Natural Gas Fired Combustion Turbine	NG	GT
2040	12	17718	Southwestern Public Service Co	Electric Utility	Harrington	TX	6193	3	340.0	Conventional Steam Coal	SUB	ST
2041	4	63424	Silverstrand Grid, LLC	IPP	Silverstrand Grid Energy Storage System	CA	63735	SLV01	11.0	Batteries	MWH	BA
2042	6	63723	Ignacio Grid, LLC	IPP	Ignacio Grid Energy Storage System	TX	64089	IGN01	100.0	Batteries	MWH	BA
2042	6	63451	Madero Grid, LLC	IPP	Madero Grid	TX	63757	MAD01	100.0	Batteries	MWH	BA
2043	12	57170	EDF Renewable Asset Holdings, Inc.	IPP	Copenhagen Wind Farm	NY	58979	CPHGN	79.9	Onshore Wind Turbine	WND	WT
2043	12	14354	PacifiCorp	Electric Utility	Chehalis Generating Facility	WA	55662	CA	157.0	Natural Gas Fired Combined Cycle	NG	CA
2043	12	14354	PacifiCorp	Electric Utility	Chehalis Generating Facility	WA	55662	CT1	160.0	Natural Gas Fired Combined Cycle	NG	CT
2043	12	14354	PacifiCorp	Electric Utility	Chehalis Generating Facility	WA	55662	CT2	160.0	Natural Gas Fired Combined Cycle	NG	CT
2044	12	13781	Northern States Power Co - Minnesota	Electric Utility	Apple River	WI	6231	1	0.4	Conventional Hydroelectric	WAT	HY
2044	12	13781	Northern States Power Co - Minnesota	Electric Utility	Apple River	WI	6231	3	0.5	Conventional Hydroelectric	WAT	HY
2044	12	13781	Northern States Power Co - Minnesota	Electric Utility	Apple River	WI	6231	4	0.5	Conventional Hydroelectric	WAT	HY
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

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

Entity ID and Plant ID are official, unique identification numbers assigned by EIA; Generator IDs are assigned by plant owners and/or operators.

Descriptions for the Energy Source Codes and the Prime Mover Codes listed in the table can be found in the Technical Notes.

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

Year/Month	Coal		Natural Gas								Petroleum					
			Combined Cycle		Gas Turbine		Steam Turbine		Internal Combustion		Steam Turbine		Gas Turbine		Internal Combustion	
	Time Adjusted Capacity (MW)	Capacity Factor	Time Adjusted Capacity (MW)	Capacity Factor	Time Adjusted Capacity (MW)	Capacity Factor	Time Adjusted Capacity (MW)	Capacity Factor	Time Adjusted Capacity (MW)	Capacity Factor	Time Adjusted Capacity (MW)	Capacity Factor	Time Adjusted Capacity (MW)	Capacity Factor	Time Adjusted Capacity (MW)	Capacity Factor
Annual Data																
2014	299,064.7	60.5%	224,183.2	48.6%	124,736.9	8.3%	75,049.1	10.3%	3,026.7	10.8%	18,057.0	13.0%	16,791.5	1.2%	5,011.3	2.1%
2015	286,082.7	54.3%	231,467.5	55.8%	123,444.3	9.8%	80,348.0	11.3%	3,507.8	11.9%	14,965.4	14.0%	16,122.8	1.3%	5,075.2	2.1%
2016	269,477.1	52.8%	236,442.8	55.4%	125,148.4	11.0%	81,225.1	12.3%	3,684.3	11.5%	13,993.7	12.2%	15,114.0	1.3%	5,082.8	2.3%
2017	259,930.2	53.1%	242,839.1	51.2%	125,806.6	9.6%	79,149.4	10.7%	4,225.5	11.6%	13,290.9	13.7%	14,275.3	1.0%	5,153.3	2.1%
2018	246,866.8	53.6%	254,403.3	55.1%	126,763.4	11.9%	76,177.8	12.6%	4,446.6	13.0%	13,300.1	14.2%	14,234.9	1.3%	5,289.7	1.9%
2019	235,089.3	47.5%	266,846.5	57.4%	128,832.5	11.4%	72,797.3	14.1%	4,848.3	15.3%	11,214.7	12.8%	14,009.7	1.0%	5,287.8	2.0%
2020	220,623.2	40.5%	274,300.4	57.1%	129,085.6	11.6%	75,462.3	14.2%	5,123.0	15.1%	8,443.3	13.9%	13,875.8	1.2%	5,300.7	1.8%
2021	212,587.0	49.1%	277,618.5	55.0%	130,103.4	11.7%	74,003.4	12.5%	5,171.8	18.2%	8,385.5	14.2%	13,729.8	1.6%	5,522.7	1.8%
2022	196,396.3	48.4%	286,467.1	56.6%	130,170.6	12.9%	77,518.8	15.6%	5,526.9	18.1%	9,839.0	13.2%	15,005.7	1.6%	5,407.0	1.8%
2023	182,767.5	42.4%	291,134.7	59.7%	130,736.5	12.9%	76,908.1	17.4%	5,802.9	20.1%	8,743.2	10.1%	14,386.8	1.3%	5,418.9	1.8%
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	8.2%	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	20.1%	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	18.5%	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	13.8%	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	10.2%	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	11.2%	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	186,822.6	44.6%	287,456.6	57.4%	130,416.1	9.3%	78,868.8	9.6%	5,738.6	18.7%	8,743.2	9.1%	14,494.8	1.0%	5,428.8	1.9%
February	186,812.0	37.3%	287,688.6	57.1%	130,416.1	9.2%	78,868.8	10.3%	5,742.7	18.0%	8,743.2	11.7%	14,494.8	1.4%	5,426.8	1.8%
March	186,007.1	36.2%	288,941.6	53.6%	130,356.1	10.5%	78,303.3	11.5%	5,744.2	19.5%	8,743.2	8.9%	14,494.8	1.1%	5,422.2	1.8%
April	186,007.1	30.6%	289,463.1	47.9%	130,356.1	11.2%	77,868.3	13.4%	5,746.9	16.2%	8,743.2	8.4%	14,494.8	1.2%	5,422.2	2.0%
May	184,515.1	32.6%	291,190.1	53.0%	130,248.2	12.4%	77,038.3	15.4%	5,745.0	16.0%	8,743.2	7.9%	14,463.5	1.2%	5,413.4	1.8%
June	182,361.9	44.5%	291,270.1	63.7%	130,403.5	15.0%	76,724.3	22.1%	5,752.6	21.4%	8,743.2	10.2%	14,315.1	1.3%	5,399.1	1.8%
July	181,713.0	58.3%	292,441.8	74.0%	130,558.5	19.4%	76,724.3	31.7%	5,752.6	26.0%	8,743.2	14.3%	14,315.1	1.6%	5,414.9	1.6%
August	181,099.7	58.0%	292,441.8	74.1%	131,221.5	19.0%	76,724.3	31.0%	5,884.2	26.7%	8,743.2	13.3%	14,315.1	1.9%	5,416.6	1.6%
Sept	180,234.7	46.4%	292,441.8	66.2%	131,221.5	13.6%	75,688.3	22.4%	5,878.3	22.0%	8,743.2	14.5%	14,315.1	1.3%	5,425.7	1.5%
October	179,749.7	38.6%	293,100.7	53.7%	131,221.5	12.6%	75,687.9	16.3%	5,879.5	18.9%	8,743.2	8.7%	14,315.1	1.3%	5,429.6	1.7%
November	179,749.7	39.7%	293,100.7	54.8%	131,217.5	11.5%	75,681.6	14.1%	5,880.7	18.8%	8,743.2	6.8%	14,315.1	1.0%	5,414.6	2.1%
December	178,441.7	42.3%	293,802.5	60.0%	131,178.5	10.1%	74,854.6	10.8%	5,885.5	18.6%	8,743.2	7.7%	14,315.1	1.2%	5,413.5	1.8%
Year 2024																
January	177,413.7	56.7%	293,763.2	63.6%	132,043.3	12.4%	75,924.4	16.1%	5,880.7	19.9%	8,743.2	9.6%	14,341.1	2.6%	5,414.3	1.9%
February	177,413.7	35.9%	293,763.2	56.1%	132,043.3	9.8%	75,924.4	11.6%	5,882.9	17.3%	8,743.2	7.7%	14,341.1	0.9%	5,414.3	1.7%
March	177,198.2	29.4%	293,763.2	50.7%	131,747.3	10.9%	75,513.7	13.9%	5,882.9	17.8%	8,743.2	6.9%	14,332.7	1.1%	5,422.1	1.9%
April	176,572.1	29.8%	293,669.2	46.6%	131,747.3	13.5%	75,513.7	16.0%	5,886.0	16.7%	8,743.2	7.1%	14,314.6	1.7%	5,424.2	2.6%
May	176,076.1	35.5%	293,743.2	53.4%	131,702.3	13.8%	75,513.7	20.5%	5,935.0	18.8%	8,743.2	7.7%	14,314.6	2.0%	5,416.2	2.5%
June	175,896.1	48.8%	292,363.6	64.9%	131,611.8	16.3%	75,263.7	27.3%	5,982.7	22.0%	8,743.2	9.0%	14,206.6	2.4%	5,413.8	1.8%
July	175,896.1	54.7%	292,363.6	74.6%	132,013.8	24.0%	75,263.7	33.6%	5,986.7	28.3%	8,743.2	10.9%	14,206.6	4.5%	5,425.2	2.4%
August	175,896.1	52.9%	291,829.1	73.8%	132,603.2	21.8%	75,263.7	33.1%	6,161.8	27.3%	8,743.2	10.1%	14,206.6	3.7%	5,425.5	2.6%
Sept	175,637.1	43.6%	292,363.6	66.7%	132,603.2	15.3%	75,263.7	22.7%	6,164.3	21.5%	8,743.2	8.2%	14,206.6	1.7%	5,425.5	1.9%

Values for 2023 and prior years are final. Values for 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 Fossil Gas		Solar				Wind		Wood	
	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	Photovoltaic	Thermal	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	2,670.6	69.4%	79,982.5	35.0%	95,065.2	93.0%	4,162.6	60.4%	1,871.6	53.8%	77,130.8	23.2%	1,480.0	22.1%	143,443.5	33.2%	7,830.2	53.5%
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	2,657.6	71.2%	79,971.6	38.2%	94,598.2	100.7%	4,259.7	60.5%	1,896.8	48.4%	71,639.2	14.2%	1,480.0	7.7%	140,883.2	36.3%	7,933.1	57.5%
February	2,657.6	72.4%	79,989.6	37.1%	94,598.2	95.7%	4,158.1	59.6%	1,896.8	54.3%	72,849.9	18.6%	1,480.0	10.9%	141,532.3	43.1%	7,933.1	56.2%
March	2,623.3	73.2%	79,989.6	35.9%	94,598.2	89.3%	4,158.1	58.3%	1,866.8	54.7%	73,402.2	21.5%	1,480.0	14.0%	142,245.7	40.6%	7,933.1	53.5%
April	2,623.3	70.6%	80,007.4	34.4%	94,598.2	83.2%	4,158.1	55.5%	1,866.8	54.7%	73,948.2	26.8%	1,480.0	27.8%	142,659.5	41.2%	7,933.1	48.6%
May	2,684.3	66.9%	79,978.4	46.5%	94,598.2	86.9%	4,158.1	61.0%	1,866.8	51.1%	74,880.6	29.5%	1,480.0	27.4%	142,976.1	30.0%	7,888.1	51.9%
June	2,684.3	66.5%	79,979.8	37.5%	94,598.2	95.2%	4,158.1	62.3%	1,866.8	54.1%	75,981.9	30.9%	1,480.0	34.6%	143,730.8	26.4%	7,873.5	52.2%
July	2,684.3	64.6%	79,979.8	36.9%	94,598.2	99.1%	4,159.4	61.9%	1,866.8	57.0%	77,601.9	30.9%	1,480.0	35.0%	143,730.8	25.9%	7,788.5	54.0%
August	2,671.8	63.1%	79,979.8	35.8%	95,712.2	97.9%	4,155.4	61.3%	1,866.8	56.4%	78,928.8	28.7%	1,480.0	28.3%	144,230.3	26.2%	7,788.5	56.3%
Sept	2,671.8	67.4%	79,977.0	29.4%	95,712.2	95.1%	4,155.4	58.0%	1,866.8	52.9%	79,648.0	25.6%	1,480.0	27.7%	144,334.3	27.1%	7,756.3	52.6%
October	2,695.8	70.4%	79,974.9	26.3%	95,712.2	86.3%	4,147.2	59.4%	1,866.8	51.2%	80,606.0	22.0%	1,480.0	26.1%	144,417.5	33.1%	7,756.3	47.4%
November	2,695.8	73.7%	79,979.5	29.6%	95,712.2	90.3%	4,148.8	61.7%	1,866.8	54.0%	82,386.8	16.7%	1,480.0	15.7%	145,235.0	34.6%	7,693.1	54.5%
December	2,695.8	72.9%	79,983.6	32.1%	95,712.2	96.7%	4,133.2	64.5%	1,866.8	56.4%	83,392.8	13.5%	1,480.0	9.9%	145,232.0	34.6%	7,693.1	56.7%
Year 2024																		
January	2,695.8	70.2%	79,837.5	36.9%	95,712.2	97.1%	4,124.2	60.5%	1,866.8	58.6%	90,724.2	13.8%	1,480.0	7.3%	147,444.7	31.6%	7,693.1	59.1%
February	2,695.8	69.7%	79,837.5	36.2%	95,712.2	96.9%	4,124.2	58.3%	1,866.8	42.5%	93,255.4	18.7%	1,480.0	11.7%	148,302.9	39.9%	7,693.1	55.3%
March	2,695.8	63.6%	79,838.0	39.3%	95,712.2	89.0%	4,124.2	55.6%	1,866.8	38.6%	93,838.9	21.7%	1,480.0	20.4%	148,504.4	41.0%	7,693.1	53.8%
April	2,695.8	68.2%	79,838.0	33.7%	95,712.2	83.2%	4,096.2	55.4%	1,838.8	41.9%	96,769.1	26.3%	1,480.0	31.6%	148,664.4	43.7%	7,693.1	53.1%
May	2,695.8	61.6%	79,838.0	38.1%	96,826.2	90.2%	4,085.4	60.0%	1,838.8	46.7%	98,170.0	29.1%	1,480.0	38.1%	149,793.3	34.5%	7,693.1	55.2%
June	2,695.8	65.1%	79,829.5	36.8%	96,826.2	97.8%	4,085.4	59.1%	1,838.8	49.1%	100,553.1	31.7%	1,480.0	39.1%	150,045.2	35.1%	7,693.1	55.2%
July	2,695.8	65.8%	79,829.5	35.7%	96,826.2	97.0%	4,038.9	61.1%	1,838.8	47.3%	103,191.5	30.4%	1,480.0	33.0%	150,075.2	24.8%	7,693.1	54.6%
August	2,695.8	65.0%	79,835.1	36.0%	96,826.2	96.8%	4,038.9	61.9%	1,838.8	49.5%	104,151.2	29.9%	1,480.0	32.6%	150,609.3	25.5%	7,693.1	56.0%
Sept	2,695.8	65.1%	79,835.1	29.0%	96,826.2	89.9%	4,044.8	59.6%	1,838.8	39.9%	105,377.2	25.4%	1,480.0	31.8%	150,959.5	26.6%	7,693.1	53.4%

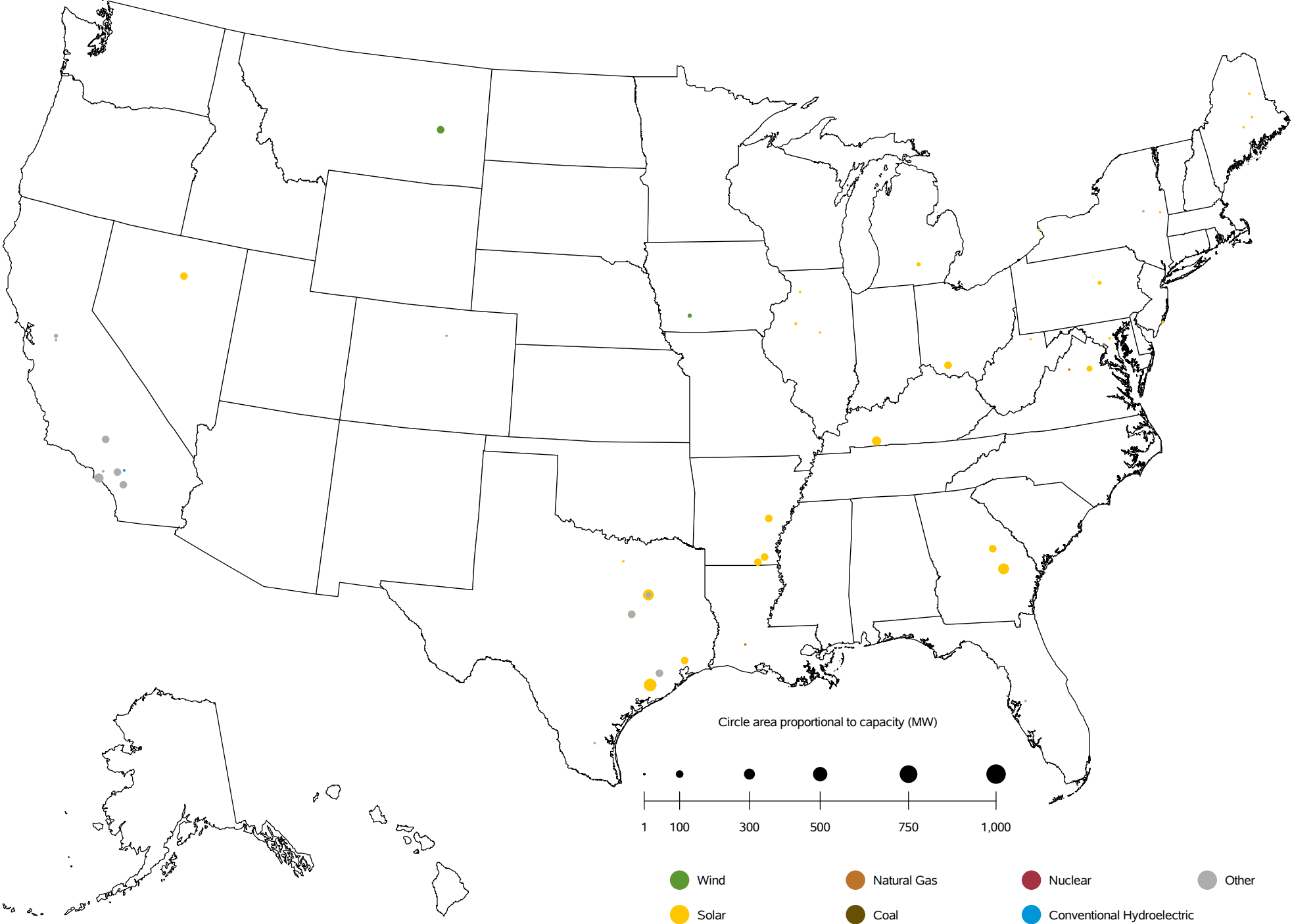
Values for 2023 and prior years are final. Values for 2024 are preliminary.
 Time adjusted capacity for month rows is the summer capacity of generators in operation for the entire month; units that began operation during the month or that retired during the month are excluded. Time adjusted capacity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

Year/Month	Battery		Pumped Storage	
	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	11,225.7	6.6%	23,132.1	10.9%
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	9,168.7	6.9%	23,057.8	9.2%
February	9,236.4	6.5%	23,057.8	9.6%
March	9,318.4	7.0%	23,137.8	9.2%
April	9,621.5	7.2%	23,147.4	8.8%
May	9,791.5	6.5%	23,147.4	10.9%
June	9,943.1	6.4%	23,147.4	13.8%
July	10,846.6	6.5%	23,147.4	15.7%
August	12,332.2	6.4%	23,147.4	15.5%
Sept	12,815.4	6.3%	23,147.4	13.3%
October	13,515.9	7.0%	23,147.4	8.7%
November	13,768.3	6.7%	23,147.4	8.3%
December	14,197.9	6.3%	23,147.4	8.0%
Year 2024				
January	15,684.8	5.4%	23,147.4	9.5%
February	15,829.3	6.5%	23,147.4	9.7%
March	15,865.2	6.9%	23,227.4	7.4%
April	16,905.6	7.3%	23,227.4	9.1%
May	17,590.9	6.7%	23,227.4	12.5%
June	18,663.7	6.9%	23,227.4	15.5%
July	19,900.3	7.8%	23,227.4	16.7%
August	20,650.1	7.8%	23,227.4	16.2%
Sept	21,575.4	7.7%	23,227.4	12.9%

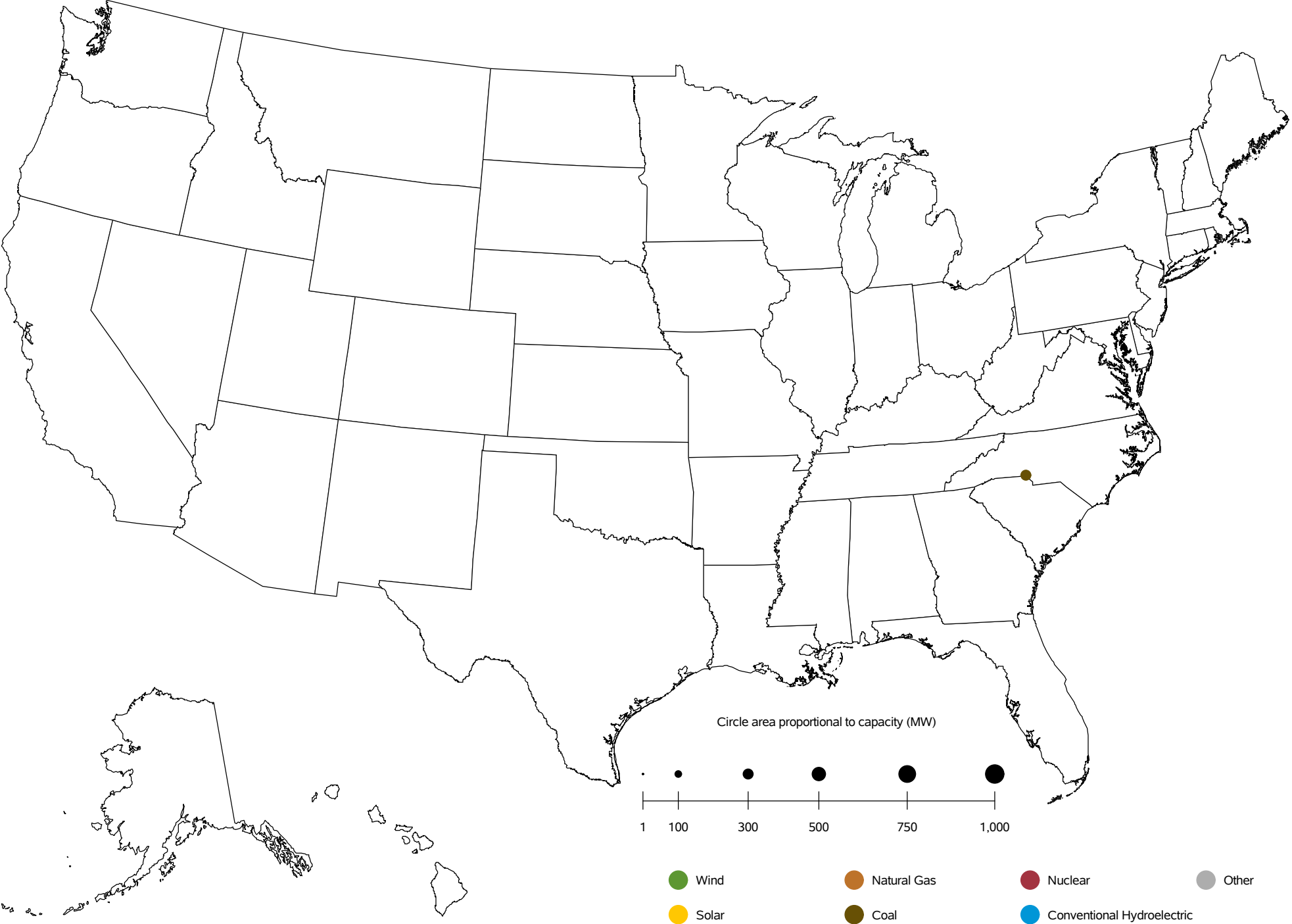
Values for 2023 and prior years are final. Values for 2024 are preliminary.
 Time adjusted capacity for month rows is the summer capacity of generators in operation for the entire month; units that began operation during the month or that retired during the month are excluded. Time adjusted capacity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



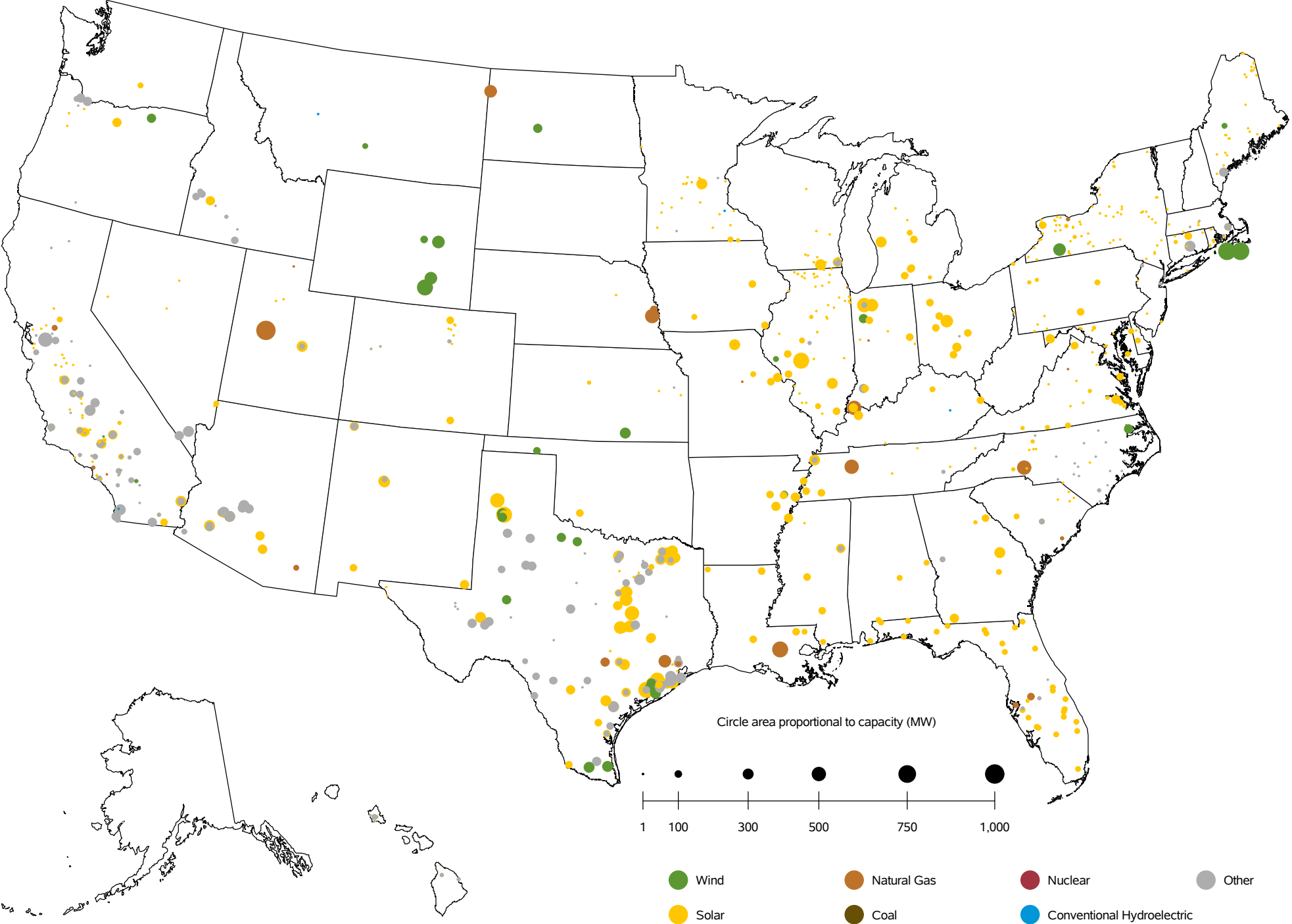
Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

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



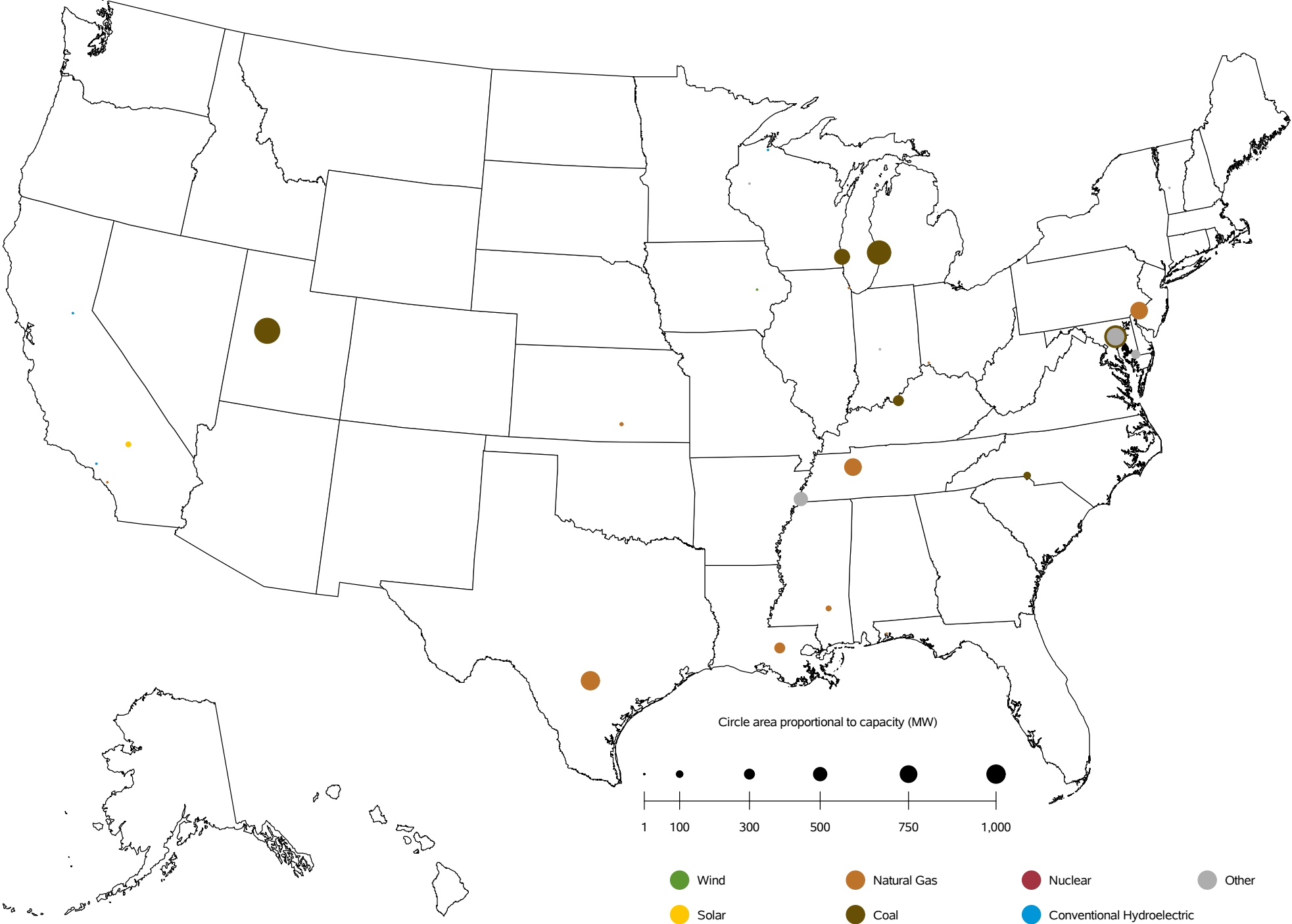
Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.C. Utility-Scale Generating Units Planned to Come Online from October 2024 to September 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 October 2024 to September 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)

Period	Canada		Mexico		U.S. Total		
	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	33,225,087	18,384,320	5,692,121	1,628,726	38,917,208	20,013,046	18,904,162
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	4,101,058	801,723	387,265	401,249	4,488,323	1,202,972	3,285,351
February	3,115,237	1,381,058	408,993	198,935	3,524,230	1,579,993	1,944,237
March	3,475,655	1,262,534	415,159	66,218	3,890,814	1,328,752	2,562,062
April	3,432,565	1,573,510	153,766	100,022	3,586,331	1,673,532	1,912,799
May	3,613,229	1,124,200	290,489	155,024	3,903,718	1,279,224	2,624,494
June	2,619,302	1,265,876	446,353	110,231	3,065,655	1,376,107	1,689,548
July	2,588,050	1,854,668	629,292	131,270	3,217,342	1,985,938	1,231,404
August	2,366,072	1,482,397	636,639	136,124	3,002,711	1,618,521	1,384,190
Sept	1,773,922	2,169,015	582,183	100,874	2,356,105	2,269,889	86,216
October	1,578,196	1,877,439	632,526	128,399	2,210,722	2,005,838	204,884
November	1,928,906	1,772,906	540,292	56,060	2,469,198	1,828,966	640,232
December	2,632,895	1,818,994	569,164	44,320	3,202,059	1,863,314	1,338,745
Year 2024							
January	2,962,963	1,650,615	650,173	225,723	3,613,136	1,876,338	1,736,798
February	2,074,024	2,221,825	464,965	156,777	2,538,989	2,378,602	160,387
March	1,677,169	2,419,779	529,864	135,813	2,207,033	2,555,592	-348,559
April	1,524,951	2,116,495	274,638	146,206	1,799,589	2,262,701	-463,112
May	1,399,943	1,556,845	391,690	189,616	1,791,633	1,746,461	45,172
June	2,439,048	1,313,197	435,385	139,696	2,874,433	1,452,893	1,421,540

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 - September 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
2023	7,402	8,083	1,684	0	17,169
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	586	126	0	1,188
February	429	548	124	0	1,100
March	497	607	143	0	1,247
April	523	621	143	0	1,288
May	631	689	126	0	1,446
June	696	698	146	0	1,540
July	765	722	146	0	1,634
August	743	723	163	0	1,629
Sept	725	747	146	0	1,618
October	742	769	149	0	1,660
November	599	688	133	0	1,420
December	576	685	138	0	1,398
Year 2024					
January	528	633	108	0	1,270
February	504	613	132	0	1,249
March	654	699	132	0	1,485
April	648	657	145	0	1,450
May	637	772	103	0	1,512
June	760	698	143	0	1,601
July	807	733	131	0	1,670
August	757	733	137	0	1,627
Sept	706	697	112	0	1,515
Year to Date					
2022	5,174	5,722	1,359	0	12,255
2023	5,486	5,942	1,263	0	12,690
2024	6,001	6,234	1,144	0	13,378
Rolling 12 Months Ending in September					
2023	7,035	7,731	1,672	0	16,438
2024	7,917	8,375	1,565	0	17,857

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 - September 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
2023	1,686	1,979	390	0	4,055
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	168	37	0	328
April	128	168	36	0	332
May	152	188	31	0	371
June	154	145	32	0	331
July	184	198	39	0	421
August	174	180	37	0	391
Sept	143	158	28	0	329
October	178	194	37	0	409
November	128	151	27	0	306
December	112	138	26	0	276
Year 2024					
January	116	143	24	0	283
February	117	149	30	0	296
March	153	171	31	0	354
April	151	160	33	0	344
May	170	217	29	0	417
June	188	180	35	0	403
July	202	202	36	0	440
August	194	181	34	0	408
Sept	174	176	30	0	380
Year to Date					
2022	1,466	1,777	387	0	3,630
2023	1,267	1,496	299	0	3,063
2024	1,464	1,580	280	0	3,325
Rolling 12 Months Ending in September					
2023	1,703	2,054	418	0	4,174
2024	1,883	2,063	371	0	4,317

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 - September 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
2023	1,379,341	127,792	582	0	1,507,715
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	128,302	589	0	1,503,608
February	1,375,176	128,312	588	0	1,504,076
March	1,376,298	128,040	580	0	1,504,918
April	1,377,070	127,611	580	0	1,505,261
May	1,378,115	127,668	579	0	1,506,362
June	1,379,369	127,598	580	0	1,507,547
July	1,380,020	127,637	581	0	1,508,238
August	1,380,809	127,612	580	0	1,509,001
Sept	1,381,572	127,766	581	0	1,509,919
October	1,382,416	127,596	582	0	1,510,594
November	1,383,057	127,673	583	0	1,511,313
December	1,383,477	127,690	585	0	1,511,752
Year 2024					
January	1,383,097	127,623	585	0	1,511,305
February	1,381,935	127,432	585	0	1,509,952
March	1,382,392	127,463	585	0	1,510,440
April	1,382,496	127,457	585	0	1,510,538
May	1,382,632	128,353	586	0	1,511,571
June	1,382,161	128,323	586	0	1,511,070
July	1,382,759	128,626	586	0	1,511,971
August	1,383,437	128,665	586	0	1,512,688
Sept	1,383,138	128,591	583	0	1,512,312
Rolling 12 Months Ending in September					
2023	1,377,152	127,923	584	0	1,505,659
2024	1,382,750	127,958	585	0	1,511,292

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 - September 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
2023	22.78	24.48	23.17	--	23.62
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	25.11	22.80	--	23.85
February	23.60	26.37	23.90	--	25.01
March	24.84	27.62	26.16	--	26.34
April	24.45	26.97	25.39	--	25.77
May	24.17	27.21	24.95	--	25.69
June	22.12	20.82	21.97	--	21.52
July	24.07	27.43	26.60	--	25.78
August	23.39	24.92	22.46	--	23.97
Sept	19.68	21.16	19.44	--	20.34
October	24.02	25.21	25.00	--	24.66
November	21.44	21.92	20.19	--	21.55
December	19.44	20.16	19.14	--	19.76
Year 2024					
January	21.96	22.66	21.80	--	22.30
February	23.14	24.35	22.49	--	23.66
March	23.33	24.40	23.31	--	23.83
April	23.24	24.41	22.91	--	23.74
May	26.74	28.16	28.24	--	27.57
June	24.69	25.83	24.24	--	25.14
July	25.10	27.59	27.20	--	26.36
August	25.61	24.64	24.58	--	25.09
Sept	24.70	25.27	26.59	--	25.10
Year to Date					
2022	28.34	31.06	28.44	--	29.62
2023	23.10	25.18	23.70	--	24.13
2024	24.40	25.35	24.50	--	24.85
Rolling 12 Months Ending in September					
2023	24.20	26.56	24.99	--	25.39
2024	23.78	24.63	23.71	--	24.17

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

Table 8.5. Net Summer Capacity (MW) of Existing Utility Scale Units by Technology for Puerto Rico, 2007-September 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	1,388	40	3,749	158	76	5,972
Year 2024								
January	454	98	1,384	37	3,664	154	76	5,867
February	454	98	1,384	37	3,664	154	76	5,867
March	454	98	1,384	37	3,664	154	102	5,893
April	454	98	1,384	37	3,664	154	102	5,893
May	454	98	1,384	37	3,664	154	102	5,893
June	454	98	1,384	37	3,664	154	102	5,893
July	454	98	1,384	37	3,664	154	102	5,893
August	454	98	1,384	37	3,664	154	102	5,893
Sept	454	98	1,388	37	3,664	154	102	5,897

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, September 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	0	20	0	2	0	0	11
Connecticut	0	32	0	1	0	0	39
Maine	0	23	0	9	0	0	15
Massachusetts	0	31	0	5	0	0	27
New Hampshire	0	77	0	0	0	0	19
Rhode Island	0	82	0	10	0	0	137
Vermont	0	232	0	0	0	0	22
Middle Atlantic	56	25	0	1	33	0	3
New Jersey	0	111	0	3	0	0	0
New York	0	26	0	2	0	0	2
Pennsylvania	56	35	0	1	47	0	14
East North Central	1	49	11	1	11	0	10
Illinois	0	17	0	3	0	0	85
Indiana	4	10	0	3	24	0	39
Michigan	0	36	0	2	0	0	16
Ohio	1	6	32	2	22	0	35
Wisconsin	0	304	0	2	0	0	12
West North Central	1	80	0	5	0	0	6
Iowa	0	162	0	6	0	0	20
Kansas	0	32	0	11	0	0	0
Minnesota	1	415	0	8	0	0	20
Missouri	3	13	0	10	0	0	16
Nebraska	3	578	0	28	0	0	17
North Dakota	0	97	0	22	0	0	12
South Dakota	0	882	0	27	0	0	9
South Atlantic	1	7	0	1	0	7	0
Delaware	0	122	0	7	0	0	0
District of Columbia	0	1,817	0	35	0	0	0
Florida	0	12	0	0	0	0	58
Georgia	0	14	0	2	0	0	8
Maryland	0	15	0	2	0	0	0
North Carolina	0	25	0	1	0	0	10
South Carolina	0	12	0	2	0	0	12
Virginia	0	24	0	1	0	0	10
West Virginia	3	0	0	7	0	0	21
East South Central	1	3	0	1	0	0	5
Alabama	0	42	0	1	0	0	6
Kentucky	0	4	0	3	0	0	10
Mississippi	18	48	0	1	0	0	0
Tennessee	0	0	0	1	0	0	9
West South Central	0	15	0	1	6	0	8
Arkansas	0	14	0	5	0	0	11
Louisiana	0	142	0	1	13	0	29
Oklahoma	0	7	0	2	0	0	14
Texas	0	20	0	1	4	0	13
Mountain	1	98	0	1	24	0	3
Arizona	0	54	0	0	0	0	4
Colorado	0	476	0	2	0	0	13
Idaho	0	0	0	12	0	0	7
Montana	4	797	0	20	0	0	6
Nevada	0	0	0	0	0	0	2
New Mexico	0	3,242	0	4	0	0	40
Utah	0	3	0	2	0	0	21
Wyoming	3	2	0	2	27	0	18
Pacific Contiguous	0	159	0	1	0	0	3
California	0	102	0	1	0	0	8
Oregon	0	318	0	4	0	0	2
Washington	0	406	0	6	0	0	1
Pacific Noncontiguous	19	4	0	23	0	0	13
Alaska	19	25	0	23	0	0	14
Hawaii	0	3	0	0	0	0	31
U.S. Total	0	6	10	0	6	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, September 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	11	14	0	0	1
Maine	0	0	0	8	7	0	0	6
Massachusetts	0	0	0	7	5	0	0	4
New Hampshire	0	0	0	158	28	0	0	2
Rhode Island	0	0	0	11	8	0	0	9
Vermont	0	0	0	16	12	0	0	13
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	5	3	0	1	1
Pennsylvania	0	0	0	9	5	0	0	1
East North Central	0	0	0	1	1	0	2	1
Illinois	0	0	0	3	3	0	0	1
Indiana	0	0	0	2	3	0	0	2
Michigan	0	0	0	5	4	0	11	1
Ohio	0	0	0	1	1	0	0	1
Wisconsin	0	0	0	2	3	0	13	1
West North Central	0	0	0	4	1	0	5	1
Iowa	0	0	0	5	2	0	0	1
Kansas	0	0	0	23	2	0	0	1
Minnesota	0	0	0	6	3	0	5	2
Missouri	0	0	0	15	2	0	0	2
Nebraska	0	0	0	10	2	0	0	2
North Dakota	0	0	0	0	3	0	24	2
South Dakota	0	0	0	1	2	0	0	4
South Atlantic	0	0	0	1	1	0	0	0
Delaware	0	0	0	14	15	0	0	7
District of Columbia	0	0	0	51	23	0	0	21
Florida	0	0	0	0	1	0	0	0
Georgia	0	0	0	2	2	0	0	1
Maryland	0	0	0	8	5	0	0	1
North Carolina	0	0	0	2	2	0	0	1
South Carolina	0	0	0	4	4	0	0	1
Virginia	0	0	0	2	4	0	0	1
West Virginia	0	0	0	17	3	0	0	2
East South Central	0	0	0	2	2	0	0	1
Alabama	0	0	0	2	4	0	0	1
Kentucky	0	0	0	8	12	0	0	1
Mississippi	0	0	0	1	2	0	0	1
Tennessee	0	0	0	5	4	0	0	1
West South Central	0	0	0	0	1	0	1	0
Arkansas	0	0	0	2	3	0	0	2
Louisiana	0	0	0	2	4	0	0	1
Oklahoma	0	0	0	5	2	0	0	1
Texas	0	0	0	0	1	0	1	1
Mountain	0	5	0	1	1	0	0	0
Arizona	0	0	0	1	1	0	0	0
Colorado	0	0	0	2	2	0	0	1
Idaho	0	27	0	3	6	0	0	6
Montana	0	0	0	0	2	0	0	3
Nevada	0	5	0	1	1	0	0	1
New Mexico	0	0	0	2	1	0	0	1
Utah	0	13	0	1	1	0	9	1
Wyoming	0	0	0	0	4	0	0	2
Pacific Contiguous	0	3	0	1	1	0	0	1
California	0	3	0	1	1	0	0	1
Oregon	0	19	0	4	3	0	0	2
Washington	0	0	0	4	5	0	0	1
Pacific Noncontiguous	0	29	0	6	6	0	0	5
Alaska	0	0	0	104	37	0	0	12
Hawaii	0	29	0	5	6	0	0	3
U.S. Total	0	3	0	0	0	0	0	0

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

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

Total (All Sectors) by Census Division and State, Year-to-Date through September 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	0	20	0	2	0	0	11
Connecticut	0	32	0	1	0	0	39
Maine	0	23	0	9	0	0	15
Massachusetts	0	31	0	5	0	0	27
New Hampshire	0	77	0	0	0	0	19
Rhode Island	0	82	0	10	0	0	137
Vermont	0	232	0	0	0	0	22
Middle Atlantic	56	25	0	1	33	0	3
New Jersey	0	111	0	3	0	0	0
New York	0	26	0	2	0	0	2
Pennsylvania	56	35	0	1	47	0	14
East North Central	1	49	11	1	11	0	10
Illinois	0	17	0	3	0	0	85
Indiana	4	10	0	3	24	0	39
Michigan	0	36	0	2	0	0	16
Ohio	1	6	32	2	22	0	35
Wisconsin	0	304	0	2	0	0	12
West North Central	1	80	0	5	0	0	6
Iowa	0	162	0	6	0	0	20
Kansas	0	32	0	11	0	0	0
Minnesota	1	415	0	8	0	0	20
Missouri	3	13	0	10	0	0	16
Nebraska	3	578	0	28	0	0	17
North Dakota	0	97	0	22	0	0	12
South Dakota	0	882	0	27	0	0	9
South Atlantic	1	7	0	1	0	7	0
Delaware	0	122	0	7	0	0	0
District of Columbia	0	1,817	0	35	0	0	0
Florida	0	12	0	0	0	0	58
Georgia	0	14	0	2	0	0	8
Maryland	0	15	0	2	0	0	0
North Carolina	0	25	0	1	0	0	10
South Carolina	0	12	0	2	0	0	12
Virginia	0	24	0	1	0	0	10
West Virginia	3	0	0	7	0	0	21
East South Central	1	3	0	1	0	0	5
Alabama	0	42	0	1	0	0	6
Kentucky	0	4	0	3	0	0	10
Mississippi	18	48	0	1	0	0	0
Tennessee	0	0	0	1	0	0	9
West South Central	0	15	0	1	6	0	8
Arkansas	0	14	0	5	0	0	11
Louisiana	0	142	0	1	13	0	29
Oklahoma	0	7	0	2	0	0	14
Texas	0	20	0	1	4	0	13
Mountain	1	98	0	1	24	0	3
Arizona	0	54	0	0	0	0	4
Colorado	0	476	0	2	0	0	13
Idaho	0	0	0	12	0	0	7
Montana	4	797	0	20	0	0	6
Nevada	0	0	0	0	0	0	2
New Mexico	0	3,242	0	4	0	0	40
Utah	0	3	0	2	0	0	21
Wyoming	3	2	0	2	27	0	18
Pacific Contiguous	0	159	0	1	0	0	3
California	0	102	0	1	0	0	8
Oregon	0	318	0	4	0	0	2
Washington	0	406	0	6	0	0	1
Pacific Noncontiguous	19	4	0	23	0	0	13
Alaska	19	25	0	23	0	0	14
Hawaii	0	3	0	0	0	0	31
U.S. Total	0	6	10	0	6	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 September 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	11	14	0	0	1
Maine	0	0	0	8	7	0	0	6
Massachusetts	0	0	0	7	5	0	0	4
New Hampshire	0	0	0	158	28	0	0	2
Rhode Island	0	0	0	11	8	0	0	9
Vermont	0	0	0	16	12	0	0	13
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	5	3	0	1	1
Pennsylvania	0	0	0	9	5	0	0	1
East North Central	0	0	0	1	1	0	2	1
Illinois	0	0	0	3	3	0	0	1
Indiana	0	0	0	2	3	0	0	2
Michigan	0	0	0	5	4	0	11	1
Ohio	0	0	0	1	1	0	0	1
Wisconsin	0	0	0	2	3	0	13	1
West North Central	0	0	0	4	1	0	5	1
Iowa	0	0	0	5	2	0	0	1
Kansas	0	0	0	23	2	0	0	1
Minnesota	0	0	0	6	3	0	5	2
Missouri	0	0	0	15	2	0	0	2
Nebraska	0	0	0	10	2	0	0	2
North Dakota	0	0	0	0	3	0	24	2
South Dakota	0	0	0	1	2	0	0	4
South Atlantic	0	0	0	1	1	0	0	0
Delaware	0	0	0	14	15	0	0	7
District of Columbia	0	0	0	51	23	0	0	21
Florida	0	0	0	0	1	0	0	0
Georgia	0	0	0	2	2	0	0	1
Maryland	0	0	0	8	5	0	0	1
North Carolina	0	0	0	2	2	0	0	1
South Carolina	0	0	0	4	4	0	0	1
Virginia	0	0	0	2	4	0	0	1
West Virginia	0	0	0	17	3	0	0	2
East South Central	0	0	0	2	2	0	0	1
Alabama	0	0	0	2	4	0	0	1
Kentucky	0	0	0	8	12	0	0	1
Mississippi	0	0	0	1	2	0	0	1
Tennessee	0	0	0	5	4	0	0	1
West South Central	0	0	0	0	1	0	1	0
Arkansas	0	0	0	2	3	0	0	2
Louisiana	0	0	0	2	4	0	0	1
Oklahoma	0	0	0	5	2	0	0	1
Texas	0	0	0	0	1	0	1	1
Mountain	0	5	0	1	1	0	0	0
Arizona	0	0	0	1	1	0	0	0
Colorado	0	0	0	2	2	0	0	1
Idaho	0	27	0	3	6	0	0	6
Montana	0	0	0	0	2	0	0	3
Nevada	0	5	0	1	1	0	0	1
New Mexico	0	0	0	2	1	0	0	1
Utah	0	13	0	1	1	0	9	1
Wyoming	0	0	0	0	4	0	0	2
Pacific Contiguous	0	3	0	1	1	0	0	1
California	0	3	0	1	1	0	0	1
Oregon	0	19	0	4	3	0	0	2
Washington	0	0	0	4	5	0	0	1
Pacific Noncontiguous	0	29	0	6	6	0	0	5
Alaska	0	0	0	104	37	0	0	12
Hawaii	0	29	0	5	6	0	0	3
U.S. Total	0	3	0	0	0	0	0	0

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

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	0	0	0	.	0
Connecticut	0	0	0	.	0
Maine	0	0	0	.	0
Massachusetts	0	0	1	.	0
New Hampshire	0	0	0	.	0
Rhode Island	0	0	0	.	0
Vermont	2	1	0	.	1
Middle Atlantic	0	0	2	.	0
New Jersey	0	0	3	.	0
New York	0	0	1	.	0
Pennsylvania	1	1	0	.	1
East North Central	1	0	3	.	0
Illinois	1	1	36	.	1
Indiana	4	1	10	.	2
Michigan	2	2	25	.	1
Ohio	2	1	1	.	1
Wisconsin	3	2	7	.	2
West North Central	0	0	1	.	0
Iowa	1	1	2	.	1
Kansas	1	1	0	.	1
Minnesota	1	1	1	.	1
Missouri	1	0	3	.	1
Nebraska	1	3	0	.	1
North Dakota	4	0	0	.	3
South Dakota	0	0	0	.	0
South Atlantic	1	1	1	.	1
Delaware	2	2	11	.	2
District of Columbia	0	0	0	.	0
Florida	1	3	2	.	1
Georgia	9	7	18	.	7
Maryland	1	1	4	.	1
North Carolina	2	2	0	.	2
South Carolina	3	3	0	.	2
Virginia	2	1	0	.	1
West Virginia	0	0	0	.	0
East South Central	11	2	8	.	9
Alabama	0	0	0	.	0
Kentucky	11	2	0	.	10
Mississippi	67	7	37	.	46
Tennessee	0	0	0	.	0
West South Central	1	3	25	.	2
Arkansas	2	5	27	.	7
Louisiana	1	12	0	.	2
Oklahoma	2	8	8	.	2
Texas	1	4	208	.	2
Mountain	0	0	0	.	0
Arizona	0	0	0	.	0
Colorado	1	0	0	.	0
Idaho	0	1	0	.	0
Montana	1	0	0	.	1
Nevada	0	0	0	.	0
New Mexico	1	0	0	.	1
Utah	0	0	0	.	0
Wyoming	0	0	0	.	0
Pacific Contiguous	0	0	0	.	0
California	0	0	0	.	0
Oregon	1	1	1	.	1
Washington	1	2	2	.	1
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, September 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	0	51	0	108	0	0	28
Connecticut	0	63	0	0	0	0	90
Maine	0	0	0	0	0	0	365
Massachusetts	0	67	0	144	0	0	48
New Hampshire	0	0	0	0	0	0	177
Rhode Island	0	0	0	0	0	0	0
Vermont	0	232	0	0	0	0	36
Middle Atlantic	0	48	0	4	0	0	1
New Jersey	0	0	0	87	0	0	0
New York	0	49	0	4	0	0	1
Pennsylvania	0	136	0	0	0	0	0
East North Central	2	78	0	2	0	0	11
Illinois	0	64	0	11	0	0	104
Indiana	4	10	0	5	0	0	39
Michigan	0	38	0	3	0	0	16
Ohio	4	12	0	5	0	0	45
Wisconsin	0	308	0	3	0	0	14
West North Central	1	81	0	6	0	0	6
Iowa	0	166	0	6	0	0	20
Kansas	0	32	0	12	0	0	0
Minnesota	0	447	0	11	0	0	25
Missouri	3	13	0	15	0	0	16
Nebraska	3	578	0	29	0	0	17
North Dakota	0	97	0	22	0	0	12
South Dakota	0	886	0	28	0	0	9
South Atlantic	0	8	0	0	0	0	6
Delaware	0	0	0	0	0	0	0
Florida	0	12	0	0	0	0	58
Georgia	0	18	0	2	0	0	8
Maryland	0	163	0	0	0	0	0
North Carolina	0	26	0	1	0	0	10
South Carolina	0	15	0	2	0	0	12
Virginia	0	48	0	2	0	0	10
West Virginia	0	0	0	0	0	0	33
East South Central	0	1	0	1	0	0	5
Alabama	0	26	0	3	0	0	6
Kentucky	0	4	0	3	0	0	10
Mississippi	0	82	0	1	0	0	0
Tennessee	0	0	0	1	0	0	9
West South Central	0	9	0	1	0	0	8
Arkansas	0	13	0	5	0	0	11
Louisiana	0	142	0	1	0	0	0
Oklahoma	0	7	0	3	0	0	14
Texas	0	15	0	2	0	0	13
Mountain	1	99	0	1	0	0	3
Arizona	0	54	0	1	0	0	4
Colorado	0	481	0	2	0	0	14
Idaho	0	0	0	13	0	0	7
Montana	0	11,786	0	25	0	0	6
Nevada	0	0	0	1	0	0	0
New Mexico	0	3,242	0	4	0	0	40
Utah	0	3	0	2	0	0	21
Wyoming	3	2	0	2	0	0	19
Pacific Contiguous	0	268	0	2	0	0	2
California	0	135	0	1	0	0	7
Oregon	0	0	0	7	0	0	2
Washington	0	1,299	0	7	0	0	1
Pacific Noncontiguous	26	5	0	23	0	0	14
Alaska	26	27	0	23	0	0	14
Hawaii	0	4	0	0	0	0	0
U.S. Total	0	7	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, September 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	15	5	0	0	17
Connecticut	0	0	0	0	0	0	0	20
Maine	0	0	0	0	0	0	0	365
Massachusetts	0	0	0	28	26	0	0	43
New Hampshire	0	0	0	0	0	0	0	177
Rhode Island	0	0	0	0	0	0	0	0
Vermont	0	0	0	5	4	0	0	15
Middle Atlantic	0	0	0	26	11	0	0	2
New Jersey	0	0	0	26	26	0	0	49
New York	0	0	0	0	0	0	0	2
Pennsylvania	0	0	0	0	0	0	0	2
East North Central	0	0	0	1	2	0	8	1
Illinois	0	0	0	57	32	0	0	8
Indiana	0	0	0	3	3	0	0	3
Michigan	0	0	0	21	4	0	0	1
Ohio	0	0	0	106	91	0	0	4
Wisconsin	0	0	0	1	3	0	13	1
West North Central	0	0	0	7	2	0	5	1
Iowa	0	0	0	6	2	0	0	2
Kansas	0	0	0	79	4	0	0	2
Minnesota	0	0	0	17	5	0	0	2
Missouri	0	0	0	42	2	0	0	2
Nebraska	0	0	0	112	33	0	0	3
North Dakota	0	0	0	0	6	0	24	2
South Dakota	0	0	0	0	11	0	0	8
South Atlantic	0	0	0	1	2	0	0	0
Delaware	0	0	0	114	114	0	0	10
District of Columbia	0	0	0	166	166	0	0	166
Florida	0	0	0	0	0	0	0	0
Georgia	0	0	0	9	9	0	0	1
Maryland	0	0	0	104	104	0	0	1
North Carolina	0	0	0	6	6	0	0	1
South Carolina	0	0	0	108	41	0	0	1
Virginia	0	0	0	3	10	0	0	1
West Virginia	0	0	0	58	58	0	0	1
East South Central	0	0	0	21	20	0	0	1
Alabama	0	0	0	23	23	0	0	1
Kentucky	0	0	0	38	29	0	0	1
Mississippi	0	0	0	235	235	0	0	1
Tennessee	0	0	0	185	185	0	0	1
West South Central	0	0	0	11	2	0	0	1
Arkansas	0	0	0	11	11	0	0	2
Louisiana	0	0	0	47	47	0	0	1
Oklahoma	0	0	0	28	2	0	0	2
Texas	0	0	0	79	45	0	0	2
Mountain	0	18	0	4	2	0	2	1
Arizona	0	0	0	6	6	0	0	0
Colorado	0	0	0	85	2	0	0	1
Idaho	0	0	0	0	16	0	0	7
Montana	0	0	0	0	12	0	0	6
Nevada	0	0	0	2	2	0	0	0
New Mexico	0	0	0	14	2	0	0	2
Utah	0	18	0	23	16	0	21	1
Wyoming	0	0	0	0	7	0	0	3
Pacific Contiguous	0	0	0	16	4	0	0	1
California	0	0	0	16	3	0	0	3
Oregon	0	0	0	129	5	0	0	3
Washington	0	0	0	107	8	0	0	2
Pacific Noncontiguous	0	0	0	25	29	0	0	7
Alaska	0	0	0	221	74	0	0	14
Hawaii	0	0	0	24	21	0	0	4
U.S. Total	0	4	0	1	1	0	2	0

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

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

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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	0	51	0	108	0	0	28
Connecticut	0	63	0	0	0	0	90
Maine	0	0	0	0	0	0	365
Massachusetts	0	67	0	144	0	0	48
New Hampshire	0	0	0	0	0	0	177
Rhode Island	0	0	0	0	0	0	0
Vermont	0	232	0	0	0	0	36
Middle Atlantic	0	48	0	4	0	0	1
New Jersey	0	0	0	87	0	0	0
New York	0	49	0	4	0	0	1
Pennsylvania	0	136	0	0	0	0	0
East North Central	2	78	0	2	0	0	11
Illinois	0	64	0	11	0	0	104
Indiana	4	10	0	5	0	0	39
Michigan	0	38	0	3	0	0	16
Ohio	4	12	0	5	0	0	45
Wisconsin	0	308	0	3	0	0	14
West North Central	1	81	0	6	0	0	6
Iowa	0	166	0	6	0	0	20
Kansas	0	32	0	12	0	0	0
Minnesota	0	447	0	11	0	0	25
Missouri	3	13	0	15	0	0	16
Nebraska	3	578	0	29	0	0	17
North Dakota	0	97	0	22	0	0	12
South Dakota	0	886	0	28	0	0	9
South Atlantic	0	8	0	0	0	0	6
Delaware	0	0	0	0	0	0	0
Florida	0	12	0	0	0	0	58
Georgia	0	18	0	2	0	0	8
Maryland	0	163	0	0	0	0	0
North Carolina	0	26	0	1	0	0	10
South Carolina	0	15	0	2	0	0	12
Virginia	0	48	0	2	0	0	10
West Virginia	0	0	0	0	0	0	33
East South Central	0	1	0	1	0	0	5
Alabama	0	26	0	3	0	0	6
Kentucky	0	4	0	3	0	0	10
Mississippi	0	82	0	1	0	0	0
Tennessee	0	0	0	1	0	0	9
West South Central	0	9	0	1	0	0	8
Arkansas	0	13	0	5	0	0	11
Louisiana	0	142	0	1	0	0	0
Oklahoma	0	7	0	3	0	0	14
Texas	0	15	0	2	0	0	13
Mountain	1	99	0	1	0	0	3
Arizona	0	54	0	1	0	0	4
Colorado	0	481	0	2	0	0	14
Idaho	0	0	0	13	0	0	7
Montana	0	11,786	0	25	0	0	6
Nevada	0	0	0	1	0	0	0
New Mexico	0	3,242	0	4	0	0	40
Utah	0	3	0	2	0	0	21
Wyoming	3	2	0	2	0	0	19
Pacific Contiguous	0	268	0	2	0	0	2
California	0	135	0	1	0	0	7
Oregon	0	0	0	7	0	0	2
Washington	0	1,299	0	7	0	0	1
Pacific Noncontiguous	26	5	0	23	0	0	14
Alaska	26	27	0	23	0	0	14
Hawaii	0	4	0	0	0	0	0
U.S. Total	0	7	0	1	0	0	2

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

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

Electric Utilities by Census Division and State, Year-to-Date through September 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	15	5	0	0	17
Connecticut	0	0	0	0	0	0	0	20
Maine	0	0	0	0	0	0	0	365
Massachusetts	0	0	0	28	26	0	0	43
New Hampshire	0	0	0	0	0	0	0	177
Rhode Island	0	0	0	0	0	0	0	0
Vermont	0	0	0	5	4	0	0	15
Middle Atlantic	0	0	0	26	11	0	0	2
New Jersey	0	0	0	26	26	0	0	49
New York	0	0	0	0	0	0	0	2
Pennsylvania	0	0	0	0	0	0	0	2
East North Central	0	0	0	1	2	0	8	1
Illinois	0	0	0	57	32	0	0	8
Indiana	0	0	0	3	3	0	0	3
Michigan	0	0	0	21	4	0	0	1
Ohio	0	0	0	106	91	0	0	4
Wisconsin	0	0	0	1	3	0	13	1
West North Central	0	0	0	7	2	0	5	1
Iowa	0	0	0	6	2	0	0	2
Kansas	0	0	0	79	4	0	0	2
Minnesota	0	0	0	17	5	0	0	2
Missouri	0	0	0	42	2	0	0	2
Nebraska	0	0	0	112	33	0	0	3
North Dakota	0	0	0	0	6	0	24	2
South Dakota	0	0	0	0	11	0	0	8
South Atlantic	0	0	0	1	2	0	0	0
Delaware	0	0	0	114	114	0	0	10
District of Columbia	0	0	0	166	166	0	0	166
Florida	0	0	0	0	0	0	0	0
Georgia	0	0	0	9	9	0	0	1
Maryland	0	0	0	104	104	0	0	1
North Carolina	0	0	0	6	6	0	0	1
South Carolina	0	0	0	108	41	0	0	1
Virginia	0	0	0	3	10	0	0	1
West Virginia	0	0	0	58	58	0	0	1
East South Central	0	0	0	21	20	0	0	1
Alabama	0	0	0	23	23	0	0	1
Kentucky	0	0	0	38	29	0	0	1
Mississippi	0	0	0	235	235	0	0	1
Tennessee	0	0	0	185	185	0	0	1
West South Central	0	0	0	11	2	0	0	1
Arkansas	0	0	0	11	11	0	0	2
Louisiana	0	0	0	47	47	0	0	1
Oklahoma	0	0	0	28	2	0	0	2
Texas	0	0	0	79	45	0	0	2
Mountain	0	18	0	4	2	0	2	1
Arizona	0	0	0	6	6	0	0	0
Colorado	0	0	0	85	2	0	0	1
Idaho	0	0	0	0	16	0	0	7
Montana	0	0	0	0	12	0	0	6
Nevada	0	0	0	2	2	0	0	0
New Mexico	0	0	0	14	2	0	0	2
Utah	0	18	0	23	16	0	21	1
Wyoming	0	0	0	0	7	0	0	3
Pacific Contiguous	0	0	0	16	4	0	0	1
California	0	0	0	16	3	0	0	3
Oregon	0	0	0	129	5	0	0	3
Washington	0	0	0	107	8	0	0	2
Pacific Noncontiguous	0	0	0	25	29	0	0	7
Alaska	0	0	0	221	74	0	0	14
Hawaii	0	0	0	24	21	0	0	4
U.S. Total	0	4	0	1	1	0	2	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, September 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	11
Connecticut	0	33	0	1	0	0	40
Maine	0	404	0	9	0	0	16
Massachusetts	0	40	0	5	0	0	32
New Hampshire	0	114	0	0	0	0	19
Rhode Island	0	82	0	10	0	0	137
Vermont	0	0	0	0	0	0	28
Middle Atlantic	57	30	0	1	0	0	11
New Jersey	0	125	0	3	0	0	0
New York	0	32	0	2	0	0	13
Pennsylvania	57	50	0	1	0	0	14
East North Central	0	6	32	1	12	0	38
Illinois	0	16	0	4	0	0	145
Indiana	0	0	0	1	0	0	0
Michigan	0	0	0	1	0	0	70
Ohio	0	7	32	2	35	0	57
Wisconsin	0	0	0	0	0	0	57
West North Central	0	469	0	8	0	0	39
Iowa	0	118	0	0	0	0	0
Kansas	0	0	0	0	0	0	0
Minnesota	0	2,496	0	12	0	0	43
Missouri	0	0	0	2	0	0	0
South Dakota	0	0	0	0	0	0	0
South Atlantic	15	16	0	2	0	0	14
Delaware	0	122	0	10	0	0	0
Florida	0	246	0	5	0	0	0
Georgia	0	238	0	7	0	0	494
Maryland	0	16	0	3	0	0	0
North Carolina	0	156	0	5	0	0	28
South Carolina	0	62	0	14	0	0	85
Virginia	0	18	0	2	0	0	55
West Virginia	20	0	0	10	0	0	37
East South Central	31	228	0	0	0	0	28
Alabama	0	228	0	0	0	0	0
Kentucky	0	0	0	0	0	0	184
Mississippi	31	0	0	308	0	0	0
Tennessee	0	0	0	0	0	0	28
West South Central	0	28	0	1	0	0	26
Arkansas	0	0	0	0	0	0	49
Louisiana	0	0	0	8	0	0	29
Oklahoma	0	0	0	0	0	0	0
Texas	0	29	0	1	0	0	0
Mountain	4	49	0	2	0	0	16
Arizona	0	0	0	0	0	0	0
Colorado	0	0	0	8	0	0	41
Idaho	0	0	0	29	0	0	20
Montana	4	87	0	18	0	0	52
Nevada	0	0	0	0	0	0	37
New Mexico	0	0	0	32	0	0	0
Utah	0	0	0	45	0	0	0
Wyoming	0	0	0	0	0	0	0
Pacific Contiguous	0	9	0	1	0	0	37
California	0	0	0	1	0	0	45
Oregon	0	0	0	1	0	0	40
Washington	0	9	0	8	0	0	51
Pacific Noncontiguous	40	0	0	0	0	0	0
Alaska	40	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	2	3	21	0	6	0	8

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, September 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	6	0	0	1
Connecticut	0	0	0	11	14	0	0	1
Maine	0	0	0	8	8	0	0	6
Massachusetts	0	0	0	7	6	0	0	4
New Hampshire	0	0	0	158	29	0	0	2
Rhode Island	0	0	0	11	8	0	0	9
Vermont	0	0	0	22	29	0	0	21
Middle Atlantic	0	0	0	4	3	0	0	1
New Jersey	0	0	0	8	7	0	0	1
New York	0	0	0	5	4	0	0	1
Pennsylvania	0	0	0	9	5	0	0	1
East North Central	0	0	0	1	2	0	15	1
Illinois	0	0	0	3	3	0	0	1
Indiana	0	0	0	3	4	0	0	1
Michigan	0	0	0	5	6	0	18	1
Ohio	0	0	0	1	1	0	0	1
Wisconsin	0	0	0	11	7	0	0	1
West North Central	0	0	0	4	1	0	0	1
Iowa	0	0	0	7	2	0	0	2
Kansas	0	0	0	21	2	0	0	2
Minnesota	0	0	0	6	4	0	0	5
Missouri	0	0	0	15	2	0	0	2
Nebraska	0	0	0	10	2	0	0	2
North Dakota	0	0	0	0	3	0	0	3
South Dakota	0	0	0	1	1	0	0	1
South Atlantic	0	0	0	1	1	0	0	1
Delaware	0	0	0	13	15	0	0	9
District of Columbia	0	0	0	54	54	0	0	54
Florida	0	0	0	4	3	0	0	4
Georgia	0	0	0	2	2	0	0	4
Maryland	0	0	0	8	5	0	0	1
North Carolina	0	0	0	2	2	0	0	3
South Carolina	0	0	0	4	6	0	0	6
Virginia	0	0	0	3	4	0	0	2
West Virginia	0	0	0	14	2	0	0	11
East South Central	0	0	0	1	2	0	0	2
Alabama	0	0	0	2	3	0	0	0
Kentucky	0	0	0	5	6	0	0	3
Mississippi	0	0	0	1	1	0	0	18
Tennessee	0	0	0	5	5	0	0	11
West South Central	0	0	0	0	1	0	0	0
Arkansas	0	0	0	2	2	0	0	1
Louisiana	0	0	0	2	2	0	0	6
Oklahoma	0	0	0	2	2	0	0	1
Texas	0	0	0	0	1	0	0	0
Mountain	0	5	0	1	1	0	0	1
Arizona	0	0	0	1	1	0	0	1
Colorado	0	0	0	2	2	0	0	2
Idaho	0	27	0	4	7	0	0	11
Montana	0	0	0	0	2	0	0	3
Nevada	0	5	0	1	1	0	0	1
New Mexico	0	0	0	2	2	0	0	2
Utah	0	17	0	1	1	0	0	1
Wyoming	0	0	0	0	3	0	0	2
Pacific Contiguous	0	3	0	1	1	0	0	1
California	0	3	0	1	1	0	0	1
Oregon	0	19	0	4	3	0	0	2
Washington	0	0	0	4	6	0	0	4
Pacific Noncontiguous	0	29	0	5	7	0	0	3
Alaska	0	0	0	118	71	0	0	35
Hawaii	0	29	0	5	7	0	0	3
U.S. Total	0	3	0	0	0	0	0	0

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

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

Independent Power Producers by Census Division and State, Year-to-Date through September 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	11
Connecticut	0	33	0	1	0	0	40
Maine	0	404	0	9	0	0	16
Massachusetts	0	40	0	5	0	0	32
New Hampshire	0	114	0	0	0	0	19
Rhode Island	0	82	0	10	0	0	137
Vermont	0	0	0	0	0	0	28
Middle Atlantic	57	30	0	1	0	0	11
New Jersey	0	125	0	3	0	0	0
New York	0	32	0	2	0	0	13
Pennsylvania	57	50	0	1	0	0	14
East North Central	0	6	32	1	12	0	38
Illinois	0	16	0	4	0	0	145
Indiana	0	0	0	1	0	0	0
Michigan	0	0	0	1	0	0	70
Ohio	0	7	32	2	35	0	57
Wisconsin	0	0	0	0	0	0	57
West North Central	0	469	0	8	0	0	39
Iowa	0	118	0	0	0	0	0
Kansas	0	0	0	0	0	0	0
Minnesota	0	2,496	0	12	0	0	43
Missouri	0	0	0	2	0	0	0
South Dakota	0	0	0	0	0	0	0
South Atlantic	15	16	0	2	0	0	14
Delaware	0	122	0	10	0	0	0
Florida	0	246	0	5	0	0	0
Georgia	0	238	0	7	0	0	494
Maryland	0	16	0	3	0	0	0
North Carolina	0	156	0	5	0	0	28
South Carolina	0	62	0	14	0	0	85
Virginia	0	18	0	2	0	0	55
West Virginia	20	0	0	10	0	0	37
East South Central	31	228	0	0	0	0	28
Alabama	0	228	0	0	0	0	0
Kentucky	0	0	0	0	0	0	184
Mississippi	31	0	0	308	0	0	0
Tennessee	0	0	0	0	0	0	28
West South Central	0	28	0	1	0	0	26
Arkansas	0	0	0	0	0	0	49
Louisiana	0	0	0	8	0	0	29
Oklahoma	0	0	0	0	0	0	0
Texas	0	29	0	1	0	0	0
Mountain	4	49	0	2	0	0	16
Arizona	0	0	0	0	0	0	0
Colorado	0	0	0	8	0	0	41
Idaho	0	0	0	29	0	0	20
Montana	4	87	0	18	0	0	52
Nevada	0	0	0	0	0	0	37
New Mexico	0	0	0	32	0	0	0
Utah	0	0	0	45	0	0	0
Wyoming	0	0	0	0	0	0	0
Pacific Contiguous	0	9	0	1	0	0	37
California	0	0	0	1	0	0	45
Oregon	0	0	0	1	0	0	40
Washington	0	9	0	8	0	0	51
Pacific Noncontiguous	40	0	0	0	0	0	0
Alaska	40	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0
U.S. Total	2	3	21	0	6	0	8

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 September 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	6	0	0	1
Connecticut	0	0	0	11	14	0	0	1
Maine	0	0	0	8	8	0	0	6
Massachusetts	0	0	0	7	6	0	0	4
New Hampshire	0	0	0	158	29	0	0	2
Rhode Island	0	0	0	11	8	0	0	9
Vermont	0	0	0	22	29	0	0	21
Middle Atlantic	0	0	0	4	3	0	0	1
New Jersey	0	0	0	8	7	0	0	1
New York	0	0	0	5	4	0	0	1
Pennsylvania	0	0	0	9	5	0	0	1
East North Central	0	0	0	1	2	0	15	1
Illinois	0	0	0	3	3	0	0	1
Indiana	0	0	0	3	4	0	0	1
Michigan	0	0	0	5	6	0	18	1
Ohio	0	0	0	1	1	0	0	1
Wisconsin	0	0	0	11	7	0	0	1
West North Central	0	0	0	4	1	0	0	1
Iowa	0	0	0	7	2	0	0	2
Kansas	0	0	0	21	2	0	0	2
Minnesota	0	0	0	6	4	0	0	5
Missouri	0	0	0	15	2	0	0	2
Nebraska	0	0	0	10	2	0	0	2
North Dakota	0	0	0	0	3	0	0	3
South Dakota	0	0	0	1	1	0	0	1
South Atlantic	0	0	0	1	1	0	0	1
Delaware	0	0	0	13	15	0	0	9
District of Columbia	0	0	0	54	54	0	0	54
Florida	0	0	0	4	3	0	0	4
Georgia	0	0	0	2	2	0	0	4
Maryland	0	0	0	8	5	0	0	1
North Carolina	0	0	0	2	2	0	0	3
South Carolina	0	0	0	4	6	0	0	6
Virginia	0	0	0	3	4	0	0	2
West Virginia	0	0	0	14	2	0	0	11
East South Central	0	0	0	1	2	0	0	2
Alabama	0	0	0	2	3	0	0	0
Kentucky	0	0	0	5	6	0	0	3
Mississippi	0	0	0	1	1	0	0	18
Tennessee	0	0	0	5	5	0	0	11
West South Central	0	0	0	0	1	0	0	0
Arkansas	0	0	0	2	2	0	0	1
Louisiana	0	0	0	2	2	0	0	6
Oklahoma	0	0	0	2	2	0	0	1
Texas	0	0	0	0	1	0	0	0
Mountain	0	5	0	1	1	0	0	1
Arizona	0	0	0	1	1	0	0	1
Colorado	0	0	0	2	2	0	0	2
Idaho	0	27	0	4	7	0	0	11
Montana	0	0	0	0	2	0	0	3
Nevada	0	5	0	1	1	0	0	1
New Mexico	0	0	0	2	2	0	0	2
Utah	0	17	0	1	1	0	0	1
Wyoming	0	0	0	0	3	0	0	2
Pacific Contiguous	0	3	0	1	1	0	0	1
California	0	3	0	1	1	0	0	1
Oregon	0	19	0	4	3	0	0	2
Washington	0	0	0	4	6	0	0	4
Pacific Noncontiguous	0	29	0	5	7	0	0	3
Alaska	0	0	0	118	71	0	0	35
Hawaii	0	29	0	5	7	0	0	3
U.S. Total	0	3	0	0	0	0	0	0

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

**Table A.4.A. Relative Standard Error for Net Generation by Fuel Type:
Commercial Sector by Census Division and State, September 2024**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	0	57	0	16	0	0	0
Connecticut	0	421	0	25	0	0	0
Maine	0	0	0	0	0	0	0
Massachusetts	0	90	0	21	0	0	0
New Hampshire	0	0	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	47	0	16	0	0	0
New Jersey	0	332	0	35	0	0	0
New York	0	56	0	21	0	0	0
Pennsylvania	0	0	0	7	0	0	0
East North Central	32	111	0	7	0	0	242
Illinois	52	251	0	27	0	0	0
Indiana	0	0	0	0	0	0	242
Michigan	0	820	0	6	0	0	0
Ohio	0	5,689	0	3	0	0	0
Wisconsin	0	287	0	12	0	0	0
West North Central	0	47	0	2	0	0	0
Iowa	0	0	0	5	0	0	0
Minnesota	0	54	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	1,340	0	0	0	0	0
South Atlantic	0	100	0	22	0	0	0
District of Columbia	0	1,817	0	35	0	0	0
Florida	0	0	0	58	0	0	0
Georgia	0	89	0	0	0	0	0
Maryland	0	465	0	40	0	0	0
North Carolina	0	332	0	50	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	28	0	0	0
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	28	0	0	0
West South Central	0	1,398	0	23	0	0	584
Arkansas	0	0	0	123	0	0	0
Louisiana	0	0	0	110	0	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	1,398	0	24	0	0	584
Mountain	0	770	0	10	0	0	48
Arizona	0	770	0	3	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	38	0	0	0
Utah	0	0	0	19	0	0	80
Pacific Contiguous	0	6	0	4	0	0	659
California	0	2	0	4	0	0	659
Oregon	0	318	0	7	0	0	0
Washington	0	0	0	0	0	0	0
Pacific Noncontiguous	27	21	0	0	0	0	42
Alaska	27	182	0	0	0	0	42
Hawaii	0	0	0	0	0	0	0
U.S. Total	19	22	0	5	0	0	37

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, September 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	73	4	0	0	7
Connecticut	0	0	0	126	126	0	0	25
Maine	0	0	0	0	0	0	0	0
Massachusetts	0	0	0	89	4	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	21	3	0	1	5
New Jersey	0	0	0	22	8	0	0	8
New York	0	0	0	64	2	0	2	7
Pennsylvania	0	0	0	99	5	0	0	3
East North Central	0	0	0	80	24	0	0	6
Illinois	0	0	0	193	200	0	0	25
Indiana	0	0	0	204	26	0	0	5
Michigan	0	0	0	180	2	0	0	6
Ohio	0	0	0	130	60	0	0	4
Wisconsin	0	0	0	147	51	0	0	20
West North Central	0	0	0	0	14	0	56	6
Iowa	0	0	0	0	18	0	0	5
Kansas	0	0	0	0	194	0	0	194
Minnesota	0	0	0	0	20	0	56	12
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0	1,340
South Atlantic	0	0	0	25	4	0	0	5
Delaware	0	0	0	180	70	0	0	70
District of Columbia	0	0	0	0	0	0	0	23
Florida	0	0	0	111	1	0	0	6
Georgia	0	0	0	169	169	0	0	148
Maryland	0	0	0	60	60	0	0	36
North Carolina	0	0	0	29	29	0	0	30
South Carolina	0	0	0	0	0	0	0	0
Virginia	0	0	0	225	2	0	0	1
East South Central	0	0	0	122	122	0	0	28
Kentucky	0	0	0	240	240	0	0	240
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	141	141	0	0	28
West South Central	0	0	0	18	28	0	0	22
Arkansas	0	0	0	0	0	0	0	75
Louisiana	0	0	0	0	0	0	0	110
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	193	60	0	0	24
Mountain	0	0	0	32	26	0	0	10
Arizona	0	0	0	62	62	0	0	9
Colorado	0	0	0	83	83	0	0	37
Idaho	0	0	0	0	29	0	0	13
Nevada	0	0	0	42	42	0	0	19
New Mexico	0	0	0	0	417	0	0	38
Utah	0	0	0	0	0	0	0	25
Pacific Contiguous	0	0	0	21	7	0	0	4
California	0	0	0	21	7	0	0	4
Oregon	0	0	0	0	39	0	0	9
Washington	0	0	0	0	91	0	0	89
Pacific Noncontiguous	0	0	0	107	5	0	0	9
Alaska	0	0	0	0	0	0	0	21
Hawaii	0	0	0	107	6	0	0	3
U.S. Total	0	0	0	11	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 September 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	0	57	0	16	0	0	0
Connecticut	0	421	0	25	0	0	0
Maine	0	0	0	0	0	0	0
Massachusetts	0	90	0	21	0	0	0
New Hampshire	0	0	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	47	0	16	0	0	0
New Jersey	0	332	0	35	0	0	0
New York	0	56	0	21	0	0	0
Pennsylvania	0	0	0	7	0	0	0
East North Central	32	111	0	7	0	0	242
Illinois	52	251	0	27	0	0	0
Indiana	0	0	0	0	0	0	242
Michigan	0	820	0	6	0	0	0
Ohio	0	5,689	0	3	0	0	0
Wisconsin	0	287	0	12	0	0	0
West North Central	0	47	0	2	0	0	0
Iowa	0	0	0	5	0	0	0
Minnesota	0	54	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	1,340	0	0	0	0	0
South Atlantic	0	100	0	22	0	0	0
District of Columbia	0	1,817	0	35	0	0	0
Florida	0	0	0	58	0	0	0
Georgia	0	89	0	0	0	0	0
Maryland	0	465	0	40	0	0	0
North Carolina	0	332	0	50	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	28	0	0	0
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	28	0	0	0
West South Central	0	1,398	0	23	0	0	584
Arkansas	0	0	0	123	0	0	0
Louisiana	0	0	0	110	0	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	1,398	0	24	0	0	584
Mountain	0	770	0	10	0	0	48
Arizona	0	770	0	3	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	38	0	0	0
Utah	0	0	0	19	0	0	80
Pacific Contiguous	0	6	0	4	0	0	659
California	0	2	0	4	0	0	659
Oregon	0	318	0	7	0	0	0
Washington	0	0	0	0	0	0	0
Pacific Noncontiguous	27	21	0	0	0	0	42
Alaska	27	182	0	0	0	0	42
Hawaii	0	0	0	0	0	0	0
U.S. Total	19	22	0	5	0	0	37

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 September 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	73	4	0	0	7
Connecticut	0	0	0	126	126	0	0	25
Maine	0	0	0	0	0	0	0	0
Massachusetts	0	0	0	89	4	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	21	3	0	1	5
New Jersey	0	0	0	22	8	0	0	8
New York	0	0	0	64	2	0	2	7
Pennsylvania	0	0	0	99	5	0	0	3
East North Central	0	0	0	80	24	0	0	6
Illinois	0	0	0	193	200	0	0	25
Indiana	0	0	0	204	26	0	0	5
Michigan	0	0	0	180	2	0	0	6
Ohio	0	0	0	130	60	0	0	4
Wisconsin	0	0	0	147	51	0	0	20
West North Central	0	0	0	0	14	0	56	6
Iowa	0	0	0	0	18	0	0	5
Kansas	0	0	0	0	194	0	0	194
Minnesota	0	0	0	0	20	0	56	12
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0	1,340
South Atlantic	0	0	0	25	4	0	0	5
Delaware	0	0	0	180	70	0	0	70
District of Columbia	0	0	0	0	0	0	0	23
Florida	0	0	0	111	1	0	0	6
Georgia	0	0	0	169	169	0	0	148
Maryland	0	0	0	60	60	0	0	36
North Carolina	0	0	0	29	29	0	0	30
South Carolina	0	0	0	0	0	0	0	0
Virginia	0	0	0	225	2	0	0	1
East South Central	0	0	0	122	122	0	0	28
Kentucky	0	0	0	240	240	0	0	240
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	141	141	0	0	28
West South Central	0	0	0	18	28	0	0	22
Arkansas	0	0	0	0	0	0	0	75
Louisiana	0	0	0	0	0	0	0	110
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	193	60	0	0	24
Mountain	0	0	0	32	26	0	0	10
Arizona	0	0	0	62	62	0	0	9
Colorado	0	0	0	83	83	0	0	37
Idaho	0	0	0	0	29	0	0	13
Nevada	0	0	0	42	42	0	0	19
New Mexico	0	0	0	0	417	0	0	38
Utah	0	0	0	0	0	0	0	25
Pacific Contiguous	0	0	0	21	7	0	0	4
California	0	0	0	21	7	0	0	4
Oregon	0	0	0	0	39	0	0	9
Washington	0	0	0	0	91	0	0	89
Pacific Noncontiguous	0	0	0	107	5	0	0	9
Alaska	0	0	0	0	0	0	0	21
Hawaii	0	0	0	107	6	0	0	3
U.S. Total	0	0	0	11	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, September 2024**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	0	3	0	13	0	0	81
Connecticut	0	0	0	17	0	0	0
Maine	0	3	0	34	0	0	81
Massachusetts	0	8	0	26	0	0	0
New Hampshire	0	0	0	0	0	0	0
Rhode Island	0	0	0	43	0	0	0
Middle Atlantic	0	18	0	5	34	0	50
New Jersey	0	0	0	12	0	0	0
New York	0	7	0	8	0	0	50
Pennsylvania	0	25	0	7	47	0	0
East North Central	4	13	0	8	17	0	16
Illinois	0	0	0	17	0	0	0
Indiana	0	3,346	0	17	24	0	0
Michigan	0	0	0	11	0	0	125
Ohio	0	0	0	25	0	0	0
Wisconsin	34	207	0	9	0	0	15
West North Central	3	11	0	8	0	0	0
Iowa	1	865	0	7	0	0	0
Kansas	0	0	0	63	0	0	0
Minnesota	40	0	0	15	0	0	0
Missouri	0	0	0	0	0	0	0
Nebraska	5	0	0	0	0	0	0
North Dakota	42	0	0	0	0	0	0
South Dakota	0	0	0	52	0	0	0
South Atlantic	18	16	0	6	0	0	38
Delaware	0	0	0	0	0	0	0
Florida	0	28	0	14	0	0	0
Georgia	35	19	0	21	0	0	243
Maryland	0	0	0	19	0	0	0
North Carolina	31	62	0	45	0	0	666
South Carolina	0	0	0	17	0	0	0
Virginia	0	51	0	10	0	0	0
West Virginia	0	0	0	0	0	0	38
East South Central	0	67	0	9	0	0	0
Alabama	0	75	0	17	0	0	0
Kentucky	0	0	0	0	0	0	0
Mississippi	0	0	0	29	0	0	0
Tennessee	0	0	0	8	0	0	0
West South Central	0	24	0	2	10	0	0
Arkansas	0	1,154	0	45	0	0	0
Louisiana	0	0	0	2	13	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	8	0	2	11	0	0
Mountain	17	0	0	3	26	0	0
Colorado	0	0	0	0	0	0	0
Idaho	0	0	0	23	0	0	0
Montana	221	0	0	586	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	16	0	0	4	27	0	0
Pacific Contiguous	0	216	0	2	0	0	1,286
California	0	1,315	0	2	0	0	0
Oregon	0	0	0	21	0	0	0
Washington	0	85	0	3	0	0	1,286
Pacific Noncontiguous	0	4	0	0	0	0	51
Alaska	0	15	0	0	0	0	0
Hawaii	0	0	0	0	0	0	51
U.S. Total	3	7	0	1	8	0	23

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, September 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	83	7	0	0	8
Connecticut	0	0	0	139	139	0	0	17
Maine	0	0	0	0	7	0	0	10
Massachusetts	0	0	0	91	91	0	0	25
New Hampshire	0	0	0	0	0	0	0	0
Rhode Island	0	0	0	0	0	0	0	43
Middle Atlantic	0	0	0	64	9	0	0	5
New Jersey	0	0	0	133	133	0	0	8
New York	0	0	0	97	21	0	0	8
Pennsylvania	0	0	0	108	9	0	0	7
East North Central	0	0	0	87	8	0	0	5
Illinois	0	0	0	235	235	0	0	7
Indiana	0	0	0	0	32	0	0	12
Michigan	0	0	0	0	13	0	0	7
Ohio	0	0	0	0	22	0	0	10
Wisconsin	0	0	0	0	11	0	0	7
West North Central	0	0	0	43	5	0	0	3
Iowa	0	0	0	0	0	0	0	2
Kansas	0	0	0	0	218	0	0	58
Minnesota	0	0	0	43	5	0	0	6
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	4
North Dakota	0	0	0	0	0	0	0	28
South Dakota	0	0	0	0	93	0	0	46
South Atlantic	0	0	0	91	3	0	0	3
Delaware	0	0	0	161	74	0	0	1
Florida	0	0	0	170	8	0	0	6
Georgia	0	0	0	0	6	0	0	6
Maryland	0	0	0	0	0	0	0	19
North Carolina	0	0	0	0	9	0	0	8
South Carolina	0	0	0	131	3	0	0	3
Virginia	0	0	0	0	0	0	0	4
West Virginia	0	0	0	0	0	0	0	13
East South Central	0	0	0	0	4	0	0	4
Alabama	0	0	0	0	5	0	0	7
Kentucky	0	0	0	0	21	0	0	13
Mississippi	0	0	0	0	5	0	0	8
Tennessee	0	0	0	0	0	0	0	5
West South Central	0	0	0	85	6	0	4	1
Arkansas	0	0	0	164	9	0	0	11
Louisiana	0	0	0	0	8	0	0	2
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	98	13	0	8	2
Mountain	0	0	0	40	8	0	0	3
Arizona	0	0	0	56	56	0	0	56
Colorado	0	0	0	82	76	0	0	9
Idaho	0	0	0	173	2	0	0	7
Montana	0	0	0	0	0	0	0	38
Nevada	0	0	0	82	82	0	0	2
New Mexico	0	0	0	0	0	0	0	0
Utah	0	0	0	164	164	0	0	4
Wyoming	0	0	0	0	0	0	0	5
Pacific Contiguous	0	0	0	20	8	0	9	2
California	0	0	0	20	11	0	9	2
Oregon	0	0	0	0	16	0	0	13
Washington	0	0	0	0	12	0	0	5
Pacific Noncontiguous	0	0	0	0	0	0	0	10
Alaska	0	0	0	0	0	0	0	10
Hawaii	0	0	0	0	0	0	0	13
U.S. Total	0	0	0	15	3	0	1	1

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

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

Industrial Sector by Census Division and State, Year-to-Date through September 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
New England	0	3	0	13	0	0	81
Connecticut	0	0	0	17	0	0	0
Maine	0	3	0	34	0	0	81
Massachusetts	0	8	0	26	0	0	0
New Hampshire	0	0	0	0	0	0	0
Rhode Island	0	0	0	43	0	0	0
Middle Atlantic	0	18	0	5	34	0	50
New Jersey	0	0	0	12	0	0	0
New York	0	7	0	8	0	0	50
Pennsylvania	0	25	0	7	47	0	0
East North Central	4	13	0	8	17	0	16
Illinois	0	0	0	17	0	0	0
Indiana	0	3,346	0	17	24	0	0
Michigan	0	0	0	11	0	0	125
Ohio	0	0	0	25	0	0	0
Wisconsin	34	207	0	9	0	0	15
West North Central	3	11	0	8	0	0	0
Iowa	1	865	0	7	0	0	0
Kansas	0	0	0	63	0	0	0
Minnesota	40	0	0	15	0	0	0
Missouri	0	0	0	0	0	0	0
Nebraska	5	0	0	0	0	0	0
North Dakota	42	0	0	0	0	0	0
South Dakota	0	0	0	52	0	0	0
South Atlantic	18	16	0	6	0	0	38
Delaware	0	0	0	0	0	0	0
Florida	0	28	0	14	0	0	0
Georgia	35	19	0	21	0	0	243
Maryland	0	0	0	19	0	0	0
North Carolina	31	62	0	45	0	0	666
South Carolina	0	0	0	17	0	0	0
Virginia	0	51	0	10	0	0	0
West Virginia	0	0	0	0	0	0	38
East South Central	0	67	0	9	0	0	0
Alabama	0	75	0	17	0	0	0
Kentucky	0	0	0	0	0	0	0
Mississippi	0	0	0	29	0	0	0
Tennessee	0	0	0	8	0	0	0
West South Central	0	24	0	2	10	0	0
Arkansas	0	1,154	0	45	0	0	0
Louisiana	0	0	0	2	13	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	8	0	2	11	0	0
Mountain	17	0	0	3	26	0	0
Colorado	0	0	0	0	0	0	0
Idaho	0	0	0	23	0	0	0
Montana	221	0	0	586	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	16	0	0	4	27	0	0
Pacific Contiguous	0	216	0	2	0	0	1,286
California	0	1,315	0	2	0	0	0
Oregon	0	0	0	21	0	0	0
Washington	0	85	0	3	0	0	1,286
Pacific Noncontiguous	0	4	0	0	0	0	51
Alaska	0	15	0	0	0	0	0
Hawaii	0	0	0	0	0	0	51
U.S. Total	3	7	0	1	8	0	23

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 September 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	83	7	0	0	8
Connecticut	0	0	0	139	139	0	0	17
Maine	0	0	0	0	7	0	0	10
Massachusetts	0	0	0	91	91	0	0	25
New Hampshire	0	0	0	0	0	0	0	0
Rhode Island	0	0	0	0	0	0	0	43
Middle Atlantic	0	0	0	64	9	0	0	5
New Jersey	0	0	0	133	133	0	0	8
New York	0	0	0	97	21	0	0	8
Pennsylvania	0	0	0	108	9	0	0	7
East North Central	0	0	0	87	8	0	0	5
Illinois	0	0	0	235	235	0	0	7
Indiana	0	0	0	0	32	0	0	12
Michigan	0	0	0	0	13	0	0	7
Ohio	0	0	0	0	22	0	0	10
Wisconsin	0	0	0	0	11	0	0	7
West North Central	0	0	0	43	5	0	0	3
Iowa	0	0	0	0	0	0	0	2
Kansas	0	0	0	0	218	0	0	58
Minnesota	0	0	0	43	5	0	0	6
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	4
North Dakota	0	0	0	0	0	0	0	28
South Dakota	0	0	0	0	93	0	0	46
South Atlantic	0	0	0	91	3	0	0	3
Delaware	0	0	0	161	74	0	0	1
Florida	0	0	0	170	8	0	0	6
Georgia	0	0	0	0	6	0	0	6
Maryland	0	0	0	0	0	0	0	19
North Carolina	0	0	0	0	9	0	0	8
South Carolina	0	0	0	131	3	0	0	3
Virginia	0	0	0	0	0	0	0	4
West Virginia	0	0	0	0	0	0	0	13
East South Central	0	0	0	0	4	0	0	4
Alabama	0	0	0	0	5	0	0	7
Kentucky	0	0	0	0	21	0	0	13
Mississippi	0	0	0	0	5	0	0	8
Tennessee	0	0	0	0	0	0	0	5
West South Central	0	0	0	85	6	0	4	1
Arkansas	0	0	0	164	9	0	0	11
Louisiana	0	0	0	0	8	0	0	2
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	98	13	0	8	2
Mountain	0	0	0	40	8	0	0	3
Arizona	0	0	0	56	56	0	0	56
Colorado	0	0	0	82	76	0	0	9
Idaho	0	0	0	173	2	0	0	7
Montana	0	0	0	0	0	0	0	38
Nevada	0	0	0	82	82	0	0	2
New Mexico	0	0	0	0	0	0	0	0
Utah	0	0	0	164	164	0	0	4
Wyoming	0	0	0	0	0	0	0	5
Pacific Contiguous	0	0	0	20	8	0	9	2
California	0	0	0	20	11	0	9	2
Oregon	0	0	0	0	16	0	0	13
Washington	0	0	0	0	12	0	0	5
Pacific Noncontiguous	0	0	0	0	0	0	0	10
Alaska	0	0	0	0	0	0	0	10
Hawaii	0	0	0	0	0	0	0	13
U.S. Total	0	0	0	15	3	0	1	1

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

**Table A.6.A. Relative Standard Error for Sales of Electricity to Ultimate Customers
by End-Use Sector, Census Division, and State, September 2024**

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

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

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

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

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	1	0	1	0	0
Connecticut	1	1	2	0	1
Maine	2	1	0	0	1
Massachusetts	2	1	3	0	1
New Hampshire	1	1	1	0	1
Rhode Island	0	0	0	0	0
Vermont	8	4	4	0	4
Middle Atlantic	1	0	0	0	0
New Jersey	1	0	1	0	0
New York	1	0	1	0	0
Pennsylvania	1	0	0	0	0
East North Central	1	1	0	0	0
Illinois	2	1	0	0	1
Indiana	3	2	1	0	1
Michigan	0	3	1	0	1
Ohio	1	0	1	0	1
Wisconsin	0	5	2	0	2
West North Central	2	3	1	0	1
Iowa	1	10	2	0	3
Kansas	8	5	4	0	4
Minnesota	1	7	3	0	3
Missouri	3	2	3	0	2
Nebraska	1	9	3	0	3
North Dakota	1	5	2	0	2
South Dakota	1	13	5	0	5
South Atlantic	2	1	1	0	1
Delaware	3	1	4	0	2
District of Columbia	0	0	0	0	0
Florida	3	2	3	0	2
Georgia	6	3	2	0	3
Maryland	1	0	1	0	0
North Carolina	4	3	2	0	2
South Carolina	6	3	2	0	3
Virginia	4	1	2	0	1
West Virginia	1	1	0	0	0
East South Central	3	2	1	0	1
Alabama	6	5	2	0	3
Kentucky	4	2	2	0	2
Mississippi	9	6	3	0	4
Tennessee	3	2	2	0	1
West South Central	3	2	1	0	1
Arkansas	7	6	2	0	3
Louisiana	6	4	1	0	2
Oklahoma	7	4	2	0	3
Texas	3	2	1	0	1
Mountain	1	1	0	0	0
Arizona	1	0	1	0	0
Colorado	3	1	1	0	1
Idaho	0	7	1	0	2
Montana	1	11	2	0	3
Nevada	1	0	0	0	0
New Mexico	4	1	1	0	1
Utah	3	1	1	0	1
Wyoming	1	8	2	0	2
Pacific Contiguous	0	1	1	0	1
California	1	0	0	0	0
Oregon	0	6	3	0	2
Washington	0	6	3	0	2
Pacific Noncontiguous	0	7	2	0	3
Alaska	1	15	6	0	7
Hawaii	0	0	0	0	0
U.S. Total	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.7.A. Relative Standard Error for Revenue from Sales of Electricity to Ultimate Customers
by End-Use Sector, Census Division, and State, September 2024**

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
New England	1	0	1	0	0
Connecticut	1	1	1	0	1
Maine	2	1	0	0	1
Massachusetts	2	1	1	0	1
New Hampshire	2	1	1	0	1
Rhode Island	0	0	0	0	0
Vermont	11	4	4	0	5
Middle Atlantic	1	0	0	0	0
New Jersey	1	0	1	0	0
New York	1	0	0	0	0
Pennsylvania	1	0	0	0	1
East North Central	1	1	0	0	1
Illinois	2	1	1	0	1
Indiana	5	2	1	0	2
Michigan	0	1	1	0	1
Ohio	2	1	1	0	1
Wisconsin	1	2	2	0	1
West North Central	3	2	1	0	1
Iowa	2	5	2	0	2
Kansas	18	4	6	0	8
Minnesota	1	3	2	0	1
Missouri	5	2	3	0	3
Nebraska	2	5	3	0	2
North Dakota	2	4	2	0	2
South Dakota	2	7	4	0	3
South Atlantic	4	1	1	0	2
Delaware	5	2	2	0	2
District of Columbia	0	0	0	0	0
Florida	5	1	4	0	3
Georgia	13	2	3	0	7
Maryland	2	0	1	0	1
North Carolina	10	2	3	0	5
South Carolina	14	3	3	0	7
Virginia	9	1	3	0	4
West Virginia	2	1	0	0	1
East South Central	5	2	1	0	3
Alabama	12	3	2	0	6
Kentucky	8	3	2	0	4
Mississippi	18	4	4	0	9
Tennessee	4	2	2	0	2
West South Central	5	1	1	0	3
Arkansas	16	4	3	0	8
Louisiana	12	3	2	0	5
Oklahoma	14	3	4	0	7
Texas	6	2	1	0	3
Mountain	1	0	1	0	1
Arizona	1	0	2	0	1
Colorado	4	1	3	0	2
Idaho	1	4	1	0	1
Montana	2	5	3	0	2
Nevada	1	0	1	0	1
New Mexico	6	2	3	0	3
Utah	5	1	2	0	2
Wyoming	3	5	2	0	2
Pacific Contiguous	0	0	0	0	0
California	0	0	0	0	0
Oregon	1	3	2	0	1
Washington	1	3	2	0	1
Pacific Noncontiguous	1	2	1	0	1
Alaska	2	7	4	0	3
Hawaii	0	0	0	0	0
U.S. Total	2	0	0	0	1

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

Table A.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 September 2024

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

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

**Table A.8.A. Relative Standard Error for Average Price of Electricity to Ultimate Customers
by End-Use Sector, Census Division, and State, September 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	0	0	0
Massachusetts	1	0	3	0	1
New Hampshire	1	0	1	0	0
Rhode Island	0	0	0	0	0
Vermont	4	2	3	0	2
Middle Atlantic	0	0	0	0	0
New Jersey	0	0	1	0	0
New York	1	0	1	0	0
Pennsylvania	0	0	0	0	0
East North Central	0	1	0	0	0
Illinois	1	0	0	0	0
Indiana	1	1	1	0	1
Michigan	0	2	1	0	1
Ohio	1	0	0	0	0
Wisconsin	1	4	2	0	2
West North Central	1	2	1	0	1
Iowa	1	8	2	0	2
Kansas	6	4	3	0	4
Minnesota	1	6	3	0	2
Missouri	1	1	2	0	1
Nebraska	1	5	3	0	2
North Dakota	1	3	2	0	2
South Dakota	1	10	5	0	4
South Atlantic	1	1	1	0	1
Delaware	1	1	3	0	1
District of Columbia	0	0	0	0	0
Florida	2	1	2	0	1
Georgia	4	2	2	0	3
Maryland	1	0	1	0	0
North Carolina	3	2	2	0	2
South Carolina	5	2	1	0	3
Virginia	3	1	2	0	2
West Virginia	1	0	0	0	0
East South Central	2	1	1	0	1
Alabama	3	3	1	0	3
Kentucky	2	1	1	0	1
Mississippi	7	4	2	0	4
Tennessee	1	1	1	0	1
West South Central	2	1	1	0	1
Arkansas	5	4	1	0	4
Louisiana	4	2	1	0	3
Oklahoma	4	2	2	0	3
Texas	1	1	1	0	1
Mountain	0	1	0	0	0
Arizona	0	0	1	0	0
Colorado	1	1	1	0	1
Idaho	1	5	1	0	2
Montana	1	9	2	0	3
Nevada	0	0	0	0	0
New Mexico	2	1	2	0	1
Utah	1	1	1	0	1
Wyoming	1	5	2	0	2
Pacific Contiguous	0	1	1	0	1
California	0	0	0	0	0
Oregon	1	5	3	0	2
Washington	1	5	3	0	2
Pacific Noncontiguous	1	7	2	0	3
Alaska	2	14	7	0	7
Hawaii	0	0	0	0	0
U.S. Total	0	0	0	0	0

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

Table A.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 September 2024

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

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



Appendix B

Suspended

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

Census Division and State	Coal (Million Btu per Ton)	Petroleum Liquids (Million Btu per Barrel)	Petroleum Coke (Million Btu per Ton)	Natural Gas (Million Btu per Thousand Cubic Feet)
New England	20.48	5.83	--	1.03
Connecticut	--	--	--	1.03
Maine	20.48	5.83	--	1.04
Massachusetts	--	--	--	1.03
New Hampshire	--	--	--	1.03
Rhode Island	--	--	--	1.03
Vermont	--	--	--	--
Middle Atlantic	19.76	6.14	--	1.03
New Jersey	--	6.16	--	1.03
New York	--	--	--	1.03
Pennsylvania	19.76	6.13	--	1.03
East North Central	19.86	5.83	27.79	1.05
Illinois	17.64	5.80	--	1.04
Indiana	22.36	5.77	--	1.06
Michigan	18.80	5.95	27.79	1.05
Ohio	24.80	5.82	--	1.06
Wisconsin	18.15	5.79	--	1.03
West North Central	16.72	5.79	--	1.06
Iowa	17.48	5.78	--	1.09
Kansas	17.73	5.78	--	1.01
Minnesota	17.95	5.88	--	1.08
Missouri	17.75	5.77	--	1.03
Nebraska	17.25	--	--	1.06
North Dakota	13.06	5.83	--	1.00
South Dakota	16.52	--	--	1.10
South Atlantic	23.92	5.94	28.77	1.03
Delaware	--	5.83	--	1.03
District of Columbia	--	--	--	--
Florida	23.27	5.79	28.77	1.03
Georgia	20.38	6.00	--	1.04
Maryland	26.32	6.00	--	1.04
North Carolina	24.94	5.80	--	1.04
South Carolina	24.62	6.04	--	1.03
Virginia	21.82	5.93	--	1.04
West Virginia	25.39	5.82	--	1.08
East South Central	20.82	5.80	--	1.03
Alabama	18.05	--	--	1.03
Kentucky	22.04	5.80	--	1.03
Mississippi	17.33	--	--	1.03
Tennessee	21.74	5.76	--	1.00
West South Central	16.30	5.90	27.53	1.02
Arkansas	17.73	5.80	--	1.03
Louisiana	17.81	5.90	27.53	1.03
Oklahoma	16.96	5.96	--	1.03
Texas	15.90	5.81	--	1.02
Mountain	18.57	5.80	--	1.04
Arizona	18.33	--	--	1.02
Colorado	18.48	5.81	--	1.09
Idaho	--	--	--	1.00
Montana	17.36	5.92	--	1.07
Nevada	21.11	5.83	--	1.04
New Mexico	18.26	--	--	1.02
Utah	21.48	5.80	--	1.05
Wyoming	17.31	5.78	--	1.03
Pacific Contiguous	18.71	6.00	--	1.05
California	21.83	--	--	1.04
Oregon	--	--	--	1.08
Washington	17.24	6.00	--	1.12
Pacific Noncontiguous	14.30	6.21	--	1.00
Alaska	14.30	5.60	--	1.00
Hawaii	--	6.21	--	--
U.S. Total	18.85	6.13	28.19	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, 2021 through 2023

Item	Mean Absolute Value of Percent Change Total (All Sectors)		
	2021	2022	2023
Net Generation			
Coal	0.17%	0.32%	0.13%
Petroleum Liquids	5.42%	4.20%	3.69%
Petroleum Coke	2.93%	5.15%	7.67%
Natural Gas	0.28%	0.42%	0.61%
Other Gases	2.35%	3.63%	6.29%
Hydroelectric	3.89%	3.74%	5.74%
Nuclear	0.22%	0.00%	0.07%
Other	0.89%	0.83%	0.72%
Total	0.33%	0.37%	0.46%
Consumption of Fossil Fuels for Electricity Generation			
Coal	0.17%	0.62%	0.16%
Petroleum Liquids	8.15%	4.38%	4.42%
Petroleum Coke	5.23%	6.99%	11.82%
Natural Gas	0.71%	0.47%	0.53%
Fuel Stocks for Electric Power Sector			
Coal	2.40%	0.58%	0.81%
Petroleum Liquids	5.16%	1.23%	2.53%
Petroleum Coke	0.48%	1.32%	1.58%
Sales of Electricity to Ultimate Customers			
Residential	0.40%	0.83%	0.32%
Commercial	0.29%	1.30%	2.41%
Industrial	1.39%	1.28%	1.87%
Transportation	0.92%	0.14%	0.91%
Total	0.31%	0.47%	0.34%
Revenue			
Residential	0.88%	1.37%	0.47%
Commercial	0.23%	0.29%	1.21%
Industrial	0.36%	0.54%	1.69%
Transportation	1.00%	0.91%	1.63%
Total	0.46%	0.64%	0.18%
Average Price of Electricity to Ultimate Customers			
Residential	0.47%	0.55%	0.29%
Commercial	0.50%	1.10%	1.19%
Industrial	1.17%	1.65%	0.46%
Transportation	0.61%	0.85%	0.75%
Total	0.77%	1.11%	0.42%
Receipt of Fossil Fuels			
Coal	1.20%	1.24%	1.14%
Petroleum Liquids	15.02%	11.38%	9.37%
Petroleum Coke	0.00%	0.00%	0.00%
Natural Gas	8.13%	7.88%	8.75%
Cost of Fossil Fuels			
Coal	0.21%	0.29%	0.46%
Petroleum Liquids	1.81%	0.50%	1.33%
Petroleum Coke	0.00%	0.00%	0.00%
Natural Gas	3.38%	0.35%	0.47%

Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and synthetic coal. Coal stocks exclude waste coal.

Petroleum Liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately. Excludes blast furnace gas and other gases.

Hydroelectric includes conventional hydroelectric and hydroelectric pumped storage facilities.

Other generation includes geothermal, wood, waste, wind, and solar, batteries, chemicals, pitch, purchased steam, sulfur, and miscellaneous technologies.

Fuel Stocks are end-of-month values.

See technical notes (<http://www.eia.gov/cneaf/electricity/epm/appenc.pdf>) for additional information on the Commercial, Industrial and Transportation sectors.

Cost of Fossil Fuels represent weighted values.

Notes: Mean absolute value of percent change is the unweighted average of the absolute percent changes.

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, 2021 through 2023

Item	2021			2022			2023		
	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	898,679	897,999	-0.08%	828,993	831,512	0.30%	675,264	675,115	-0.02%
Petroleum Liquids	11,315	11,663	3.07%	16,274	15,805	-2.88%	11,594	11,397	-1.70%
Petroleum Coke	7,467	7,511	0.58%	7,109	7,126	0.24%	4,878	4,836	-0.86%
Natural Gas	1,575,230	1,579,190	0.25%	1,689,465	1,687,065	-0.14%	1,802,062	1,806,063	0.22%
Other Gases	11,283	11,397	1.01%	11,884	11,722	-1.36%	11,451	11,778	2.86%
Hydroelectric	255,113	246,473	-3.39%	255,966	248,761	-2.81%	233,958	239,012	2.16%
Nuclear	778,152	779,645	0.19%	771,537	771,537	0.00%	775,347	774,873	-0.06%
Other	578,302	575,822	-0.43%	661,908	657,140	-0.72%	663,617	660,196	-0.52%
Total	4,115,540	4,109,699	-0.14%	4,243,136	4,230,668	-0.29%	4,178,171	4,183,271	0.12%
Consumption of Fossil Fuels for Electricity Generation									
Coal (1,000 tons)	500,592	500,367	-0.04%	468,779	471,576	0.60%	386,601	386,626	0.01%
Petroleum Liquids (1,000 barrels)	20,676	21,633	4.63%	29,207	28,760	-1.53%	20,712	21,336	3.01%
Petroleum Coke (1,000 tons)	2,940	3,070	4.41%	2,887	2,985	3.40%	1,848	2,028	9.74%
Natural Gas (1,000 Mcf)	11,550,818	11,502,569	-0.42%	12,384,883	12,384,086	-0.01%	13,223,128	13,244,813	0.16%
Fuel Stocks for Electric Power Sector									
Coal (1,000 tons)	94,654	91,884	-2.93%	89,963	88,861	-1.23%	131,426	133,253	1.39%
Petroleum Liquids (1,000 barrels)	23,446	26,002	10.90%	21,650	22,812	5.36%	22,812	24,402	6.97%
Petroleum Coke (1,000 tons)	302	302	0.00%	304	318	4.84%	428	427	-0.07%
Retail Sales (Million kWh)									
Residential	1,476,569	1,470,487	-0.41%	1,521,886	1,509,233	-0.83%	1,454,667	1,450,025	-0.32%
Commercial	1,324,782	1,328,439	0.28%	1,373,031	1,390,873	1.30%	1,374,922	1,408,109	2.41%
Industrial	986,797	1,000,613	1.40%	1,007,533	1,020,464	1.28%	1,024,949	1,009,256	-1.53%
Transportation	6,392	6,334	-0.90%	6,602	6,599	-0.05%	6,804	6,864	0.87%
Total	3,794,539	3,805,874	0.30%	3,909,053	3,927,169	0.46%	3,861,342	3,874,253	0.33%
Revenue (Million Dollars)									
Residential	202,632	200,834	-0.89%	230,174	226,990	-1.38%	232,463	231,993	-0.20%
Commercial	149,328	149,008	-0.21%	172,257	172,600	0.20%	175,231	177,342	1.20%
Industrial	71,682	71,835	0.21%	85,171	84,895	-0.32%	82,566	81,159	-1.70%
Transportation	653	646	-0.98%	770	765	-0.61%	864	877	1.46%
Total	424,295	422,323	-0.46%	488,371	485,249	-0.64%	491,124	491,370	0.05%
Average Retail Price (Cents/kWh)									
Residential	13.72	13.66	-0.48%	15.12	15.04	-0.56%	15.98	16.00	0.12%
Commercial	11.27	11.22	-0.49%	12.55	12.41	-1.09%	12.74	12.59	-1.18%
Industrial	7.26	7.18	-1.17%	8.45	8.32	-1.59%	8.06	8.04	-0.18%
Transportation	10.21	10.20	-0.09%	11.66	11.59	-0.56%	12.70	12.77	0.58%
Total	11.18	11.10	-0.76%	12.49	12.36	-1.10%	12.72	12.68	-0.28%
Receipt of Fossil Fuels									
Coal (1,000 tons)	456,033	461,477	1.19%	463,950	469,718	1.24%	426,470	431,375	1.15%
Petroleum Liquids (1,000 barrels)	14,198	16,302	14.82%	17,206	19,362	12.53%	16,746	18,341	9.52%
Petroleum Coke (1,000 tons)	2,296	2,296	0.00%	2,286	2,286	0.00%	1,450	1,450	0.00%
Natural Gas (1,000 Mcf)	10,688,997	11,578,254	8.32%	11,497,833	12,436,074	8.16%	12,143,774	13,237,380	9.01%
Cost of Fossil Fuels (Dollars per Million Btu)									
Coal (1,000 tons)	1.98	1.98	-0.26%	2.37	2.36	-0.32%	2.52	2.51	-0.36%
Petroleum Liquids (1,000 barrels)	14.50	14.71	1.42%	23.67	23.60	-0.32%	20.13	20.43	1.52%
Petroleum Coke (1,000 tons)	3.16	3.16	0.00%	4.35	4.35	0.00%	4.05	4.05	0.00%
Natural Gas (1,000 Mcf)	4.97	5.19	4.49%	7.23	7.22	-0.05%	3.36	3.36	-0.08%

Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and synthetic coal. Coal stocks exclude waste coal.

Petroleum Liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, and waste oil.

Natural gas includes a small amount of supplemental gaseous fuels that cannot be identified separately. Excludes blast furnace gas and other gases.

Hydroelectric includes conventional hydroelectric and hydroelectric pumped storage facilities.

Other generation includes geothermal, wood, waste, wind, and solar, batteries, chemicals, pitch, purchased steam, sulfur, and miscellaneous technologies.

Fuel Stocks are end-of-year values.

See technical notes (<http://www.eia.gov/cneaf/electricity/epm/appenc.pdf>) for additional information on the Commercial, Industrial and Transportation sectors.

Cost of Fossil Fuels represent weighted values.

Notes: The average revenue per kilowatthour is calculated by dividing revenue by sales. Totals may not equal sum of components because of independent rounding.

Percent changes refer to the difference between the preliminary data published in the Electric Power Monthly (EPM) and the final data published in the EPM. Values for 2023 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 - September 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
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 2024			
January	232,464	598,683	831,147
February	210,176	546,217	756,393
March	235,836	617,236	853,072
April	221,869	586,459	808,329
May	239,403	636,802	876,205
June	241,851	646,457	888,307
July	253,829	688,089	941,918
August	252,423	698,546	950,969
September	242,080	679,373	921,453
Year to Date			
2022	1,193,509	2,518,772	3,712,281
2024	2,129,932	5,697,861	7,827,793

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 September 2024 and 2023 (Megawatthours)

Census Division and State	Monthly		Year to Date	
	September 2024	September 2023	September 2024	September 2023
New England	41,543	0	369,849	0
Connecticut	9,189	0	82,367	0
Maine	2,963	0	24,703	0
Massachusetts	21,457	0	193,493	0
New Hampshire	2,860	0	26,563	0
Rhode Island	2,405	0	18,094	0
Vermont	2,669	0	24,629	0
Middle Atlantic	96,132	0	850,908	0
New Jersey	31,686	0	280,540	0
New York	44,347	0	395,869	0
Pennsylvania	20,099	0	174,499	0
East North Central	71,742	0	645,096	0
Illinois	25,962	0	235,754	0
Indiana	9,228	0	75,768	0
Michigan	14,923	0	138,144	0
Ohio	14,933	0	134,877	0
Wisconsin	6,697	0	60,554	0
West North Central	29,034	0	252,831	0
Iowa	2,978	0	26,311	0
Kansas	3,265	0	28,533	0
Minnesota	11,123	0	97,064	0
Missouri	8,227	0	71,752	0
Nebraska	2,449	0	20,656	0
North Dakota	365	0	3,158	0
South Dakota	627	0	5,356	0
South Atlantic	153,365	0	1,285,528	0
Delaware	2,036	0	18,038	0
District of Columbia	2,131	0	20,274	0
Florida	65,738	0	528,507	0
Georgia	20,625	0	173,408	0
Maryland	19,379	0	168,668	0
North Carolina	17,934	0	156,468	0
South Carolina	4,765	0	42,559	0
Virginia	19,986	0	170,763	0
West Virginia	771	0	6,842	0
East South Central	16,371	0	144,424	0
Alabama	3,367	0	30,377	0
Kentucky	3,172	0	27,433	0
Mississippi	1,219	0	10,906	0
Tennessee	8,615	0	75,708	0
West South Central	69,766	0	601,958	0
Arkansas	1,595	0	13,933	0
Louisiana	2,375	0	20,392	0
Oklahoma	18,647	0	160,441	0
Texas	47,150	0	407,192	0
Mountain	83,208	0	696,868	0
Arizona	26,092	0	214,019	0
Colorado	29,062	0	237,165	0
Idaho	2,624	0	23,220	0
Montana	1,713	0	15,609	0
Nevada	11,408	0	96,738	0
New Mexico	2,549	0	22,922	0
Utah	9,414	0	84,042	0
Wyoming	346	0	3,153	0
Pacific Contiguous	354,605	0	2,931,060	0
California	303,138	0	2,494,016	0
Oregon	16,925	0	141,652	0
Washington	34,543	0	295,393	0
Pacific Noncontiguous	5,687	0	49,271	0
Alaska	701	0	6,485	0
Hawaii	4,986	0	42,787	0
U.S. Total	921,453	0	7,827,793	0

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	0
Connecticut	15,563	20,941	28,468	35,242	55,516	0
Maine	3,786	5,206	7,661	10,355	17,022	0
Massachusetts	31,226	45,385	66,194	83,038	129,174	0
New Hampshire	4,445	6,329	8,975	11,380	18,537	0
Rhode Island	2,607	3,617	5,027	6,828	11,415	0
Vermont	4,648	6,141	8,198	10,063	15,903	0
Middle Atlantic	119,930	172,717	240,008	305,618	511,312	0
New Jersey	33,718	49,392	73,052	95,579	167,728	0
New York	58,910	85,905	114,569	142,969	230,830	0
Pennsylvania	27,302	37,421	52,387	67,071	112,754	0
East North Central	130,271	162,974	221,420	272,690	443,486	0
Illinois	42,290	55,586	78,963	95,944	155,476	0
Indiana	12,856	16,430	22,944	28,899	46,143	0
Michigan	33,812	37,680	47,696	59,039	103,090	0
Ohio	25,426	33,822	47,269	59,898	93,594	0
Wisconsin	15,888	19,456	24,547	28,909	45,183	0
West North Central	45,346	62,614	86,650	109,121	178,067	0
Iowa	5,495	7,210	10,043	12,599	20,359	0
Kansas	5,685	7,468	10,578	13,163	20,551	0
Minnesota	16,902	24,600	33,074	42,451	68,282	0
Missouri	12,425	16,757	23,768	29,129	48,607	0
Nebraska	3,306	4,463	6,353	8,170	13,922	0
North Dakota	576	815	1,060	1,333	2,410	0
South Dakota	957	1,302	1,774	2,277	3,936	0
South Atlantic	182,531	241,810	363,587	483,500	781,219	0
Delaware	2,825	3,881	5,765	7,815	12,472	0
District of Columbia	3,015	4,355	6,863	9,203	14,359	0
Florida	61,910	83,061	132,187	180,482	300,409	0
Georgia	37,063	43,959	57,870	70,714	109,140	0
Maryland	25,261	34,437	52,157	69,024	105,830	0
North Carolina	21,435	28,804	44,077	58,614	96,155	0
South Carolina	6,319	7,954	11,979	16,722	28,214	0
Virginia	23,453	33,766	50,335	67,835	109,677	0
West Virginia	1,250	1,593	2,354	3,091	4,962	0
East South Central	22,830	29,805	44,832	57,719	96,019	0
Alabama	4,801	6,321	9,167	11,645	19,921	0
Kentucky	4,997	6,292	9,538	11,972	19,950	0
Mississippi	1,273	1,675	2,432	3,540	6,124	0
Tennessee	11,760	15,517	23,695	30,562	50,024	0
West South Central	74,670	94,763	140,531	189,618	331,944	0
Arkansas	2,006	2,810	3,476	5,313	9,387	0
Louisiana	2,769	3,839	5,109	7,131	12,344	0
Oklahoma	6,381	9,186	10,884	20,903	41,919	0
Texas	63,514	78,929	121,063	156,271	268,294	0
Mountain	106,703	150,481	223,479	282,179	446,133	0
Arizona	34,678	48,110	73,474	92,775	136,374	0
Colorado	33,339	50,374	72,552	89,198	140,759	0
Idaho	3,769	4,734	7,098	9,212	16,087	0
Montana	1,895	2,570	3,543	5,098	9,656	0
Nevada	13,136	17,726	27,848	37,331	62,519	0
New Mexico	4,066	5,396	7,858	10,263	16,709	0
Utah	15,215	20,757	29,963	36,719	61,396	0
Wyoming	606	814	1,143	1,583	2,634	0
Pacific Contiguous	821,296	1,037,850	1,427,814	1,629,783	2,173,282	0
California	713,974	901,134	1,232,482	1,403,840	1,846,171	0
Oregon	34,450	43,421	62,702	76,083	110,881	0
Washington	72,872	93,295	132,630	149,860	216,230	0
Pacific Noncontiguous	15,854	19,241	27,457	31,662	42,751	0
Alaska	1,635	1,815	2,882	3,473	5,035	0
Hawaii	14,219	17,426	24,575	28,189	37,717	0
U.S. Total	1,581,706	2,059,875	2,900,300	3,518,797	5,251,782	0

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

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:

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

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](https://www.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:

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

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

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

Sales state allocation shares are calculated as follows:

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

where:

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

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:

$$eV\ kWh_{s,m,np,my} = \sum_{d=1}^{D_m} (\text{weather correction}_{s,d} * kWh_per_mile_{np,my} * avg.\ eVMT_{s,m,np,my} / D_m)$$

where:

$\text{weather correction}_{s,d}$ 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:

$$\begin{aligned} \text{avg. eVMT}_{s,m,np,my} \\ = \text{adjusted avg. VMT}_{s,m_r,np,my} * \text{current month adjustment}_{s,m} \\ * \text{utility factor}_{np,my} \end{aligned}$$

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

where:

$\text{adjusted avg. VMT}_{s,m_r,np,ny}$ 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

$\text{current month adjustment}_{s,m}$ 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

$\text{utility factor}_{np,my}$ 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.

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

where:

$\text{avg. } VMT_{cd,y_r,pt}, \forall [s \in cd \ \& \ (np, my) \in pt]$ 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

$\text{all } VMT_{s,m_r}$ 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).

$$\text{current month adjustment}_{s,m} = \prod_{m_j=(m_r+n*12 \ (n=0,1,2,\dots,(\frac{m-m_r}{12}-1))}^{(m-12)} \left(1 + \frac{(\text{all } VMT_{s,m_{j+12}} - \text{all } VMT_{s,m_j})}{\text{all } VMT_{s,m_j}} \right)$$

where:

$\text{all } VMT_{s,m_r}$ 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

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- Form EIA 861, “Annual Electric Power Industry Report.”

For access to these forms and their instructions, please see:

<http://www.eia.gov/cneaf/electricity/page/forms.html>.

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

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

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

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

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

$$\text{Percent Difference} = \left(\frac{x(t_2) - x(t_1)}{|x(t_1)|} \right) \times 100$$

where $x(t_1)$ and $x(t_2)$ denote the quantity at year t_1 and subsequent year t_2 .

Meanings of symbols appearing in tables: The following symbols have the meaning described below:

P Indicates a preliminary value.

NM Data value is not meaningful, either (1) when compared to the same value for the previous time period, or (2) when a data value is not meaningful due to having a high Relative Standard Error (RSE).

Form EIA-826

The Form EIA 826, “Monthly Electric Utility Sales and Revenues with State Distributions Report,” is a monthly collection of data from a sample of approximately 500 of the largest electric utilities (primarily investor owned and publicly owned) as well as a census of energy service providers with sales to ultimate consumers in deregulated States. Form EIA-861, with approximately 3,300 respondents, serves as a frame from which the Form 826 sample is drawn. Based on this sample, a model is used to estimate for the entire universe of U.S. electric utilities.

Instrument and design history: The collection of electric power sales data and related information began in the early 1940’s and was established as FPC Form 5 by FPC Order 141 in 1947. In 1980, the report was revised with only selected income items remaining and became the FERC Form 5. The Form EIA 826, “Electric Utility Company Monthly Statement,” replaced the FERC Form 5 in January 1983. In January 1987, the “Electric Utility Company Monthly Statement” was changed to the “Monthly Electric Utility Sales and Revenue Report with State Distributions.” The title was changed again in January 2002 to “Monthly Electric Utility Sales and Revenues with State Distributions Report” to become consistent with other EIA report titles. The Form EIA 826 was revised in January 1990, and some data elements were eliminated.

In 1993, EIA for the first time used a model sample for the Form EIA 826. A stratified random sample, employing auxiliary data, was used for each of the four previous years. The sample for the Form EIA 826 was designed to obtain estimates of electricity sales and average price of electricity to ultimate consumers at the State level by end use sector.

Starting with data for January 2001, the restructuring of the electric power industry was taken into account by forming three schedules on the Form EIA-826. Schedule 1, Part A is for full service utilities that operate as in the past. Schedule 1, Part B is for electric service providers only, and Schedule 1, Part C is for those utilities providing distribution service for those on Schedule 1, Part B. In addition, Schedule 1 Part D is for those energy providers to ultimate consumers or power marketers that provide bundled service. Also, the Form EIA-826 frame was modified to include all investor-owned electric utilities and a sample of companies from other ownership classes. A new method of estimation was implemented at this same time. (See EPM April 2001, p.1.)

With the November 2004 issue of the EPM, EIA published for the first time preliminary electricity sales data for the Transportation Sector. These data are for electricity delivered to and consumed by local, regional, and metropolitan transportation systems. The data being published for the first time in the October EPM included July 2004 data as well as year-to-date. EIA’s efforts to develop these new data have identified anomalies in several States and the District of Columbia. Some of these anomalies are caused by issues such as: 1) Some respondents have classified themselves as outside the realm of the survey. The Form EIA-826 collects data from those respondents providing electricity and other services to the ultimate end users. EIA has experienced specific situations where, although the respondents’ customers are the ultimate end users, particular end users qualify under wholesale rate schedules. 2) The Form EIA-826 is a cutoff sample and not intended to be a census.

Beginning with 2008 data and some annual 2007 data, the Form EIA-923 replaced Forms EIA-906, EIA-920, EIA-423, and FERC 423. In addition, several sections of the discontinued Form EIA-767 have been included in either the Form EIA-860 or Form EIA-923. See the following link for a detailed explanation. <http://www.eia.gov/cneaf/electricity/2008forms/consolidate.html>

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

Data processing and data system editing: Monthly Form EIA-826 submission is available via an Internet Data Collection (IDC) system. The completed data are due to EIA by the last calendar day of the month following the reporting month. Nonrespondents are contacted to obtain the data. The data are edited and additional checks are completed. Following verification, imputation is run, and tables and text of the aggregated data are produced for inclusion in the EPM.

Imputation: Regression prediction, or imputation, is done for entities not in the monthly sample and for any nonrespondents. Regressor data for Schedule 1, Part A is the average monthly sales or revenue from the most recent finalized data from survey Form EIA-861. Beginning with January 2008 data and the finalized 2007 data, the regressor data for Schedule 1 Parts B and C is the prior month's data.

Formulas and methodologies: The Form EIA 826 data are collected by end-use sector (residential, commercial, industrial, and transportation) and State. Form EIA 861 data are used as the frame from which the sample is selected and in some instances also as regressor data. Updates are made to the frame to reflect mergers that affect data processing.

With the revised definitions for the commercial and industrial sectors to include all data previously reported as 'other' data except transportation, and a separate transportation sector, all responses that would formerly have been reported under the "other" sector are now to be reported under one of the sectors that currently exist. This means there is probably a lower correlation, in general, between, say, commercial Form EIA-826 data for 2004 and commercial Form EIA-861 data for 2003 than there was between commercial Form EIA-826 data for 2003 and commercial Form EIA-861 data for 2002 or earlier years, although commercial and industrial definitions have always been somewhat nebulous due to power companies not having complete information on all customers.

Data submitted for January 2004 represent the first time respondents were to provide data specifically for the transportation end-use sector.

During 2003 transportation data were collected annually through Form EIA-861. Beginning in 2004 the transportation data were collected on a monthly basis via Form EIA-826. In order to develop an estimate of the monthly transportation data for 2003, values for both sales of electricity to ultimate customers and revenue from sales of electricity to ultimate customers were estimated using the 2004 monthly profile for the sales and revenues from the data collected via Form EIA-826. All monthly non-transportation data for 2003 (i.e. street lighting, etc.), which were previously reported in the "other" end-use sector on the Form EIA-826 have been prorated into the Commercial and Industrial end-use sectors based on the 2003 Form EIA-861 profile.

A monthly distribution factor was developed for the monthly data collected in 2004 (for the months of January through November). The transportation sales and revenues for January 2004 were assumed to be equivalent to the transportation sales and revenues for November 2004. The monthly distribution factors for January through November were applied to the annual values for transportation sales and revenues collected via Form EIA-861 to develop corresponding 2003 monthly values. The eleven month estimated totals from January through November 2003 were subtracted from the annual values obtained from Form EIA-861 in order to obtain the December 2003 values.

Data from the Form EIA-826 are used to determine estimates by sector at the State, Census division, and national level. State level sales and revenues estimates are first calculated. Then the ratio of revenue divided by sales is calculated to estimate the price of electricity to ultimate consumers at the State level. The estimates are accumulated separately to produce the Census division and U.S. level estimates¹.

Some electric utilities provide service in more than one State. To facilitate the estimation, the State service area is actually used as the sampling unit. For each State served by each utility, there is a utility State part, or "State service area." This approach allows for an explicit calculation of estimates for sales, revenue, and average price of electricity to ultimate consumers by end use sector at State, Census division, and national level. Estimation procedures include imputation to account for nonresponse. Non-sampling error must also be considered. The non-sampling error is not estimated directly, although attempts are made to minimize the non-sampling error.

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

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

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

Adjusting monthly data to annual data: As a final adjustment based on our most complete data, use is made of final Form EIA-861 data, when available. The annual totals for Form EIA-826 data by State and end-use sector are compared to the corresponding Form EIA-861 values for sales and revenue. The ratio of these two values in each case is then used to adjust each corresponding monthly value.

Sensitive data: Most of the data collected on the Form EIA-826 are not considered business sensitive. However, revenue, sales, and customer data collected from energy service providers (Schedule 1, Part B), which do not also provide energy delivery, are considered business sensitive and must adhere to EIA's "Policy on the Disclosure of Individually Identifiable Energy Information in the Possession of the EIA" (45Federal Register 59812 (1980)).

Form EIA-860

The Form EIA 860, "Annual Electric Generator Report," is a mandatory annual census of all existing and planned electric generating facilities in the United States with a total generator nameplate capacity of 1 or more megawatts. The survey is used to collect data on existing power plants and 10 year plans for constructing new plants, as well as generating unit additions, modifications, and retirements in existing plants. Data on the survey are collected at the generator level. Certain power plant environmental-related data are collected at the boiler level. These data include environmental equipment design parameters, boiler air emission standards, and boiler emission controls. The Form EIA-860 is made available in January to collect data related to the previous year.

Instrument and design history: The Form EIA-860 was originally implemented in January 1985 to collect data as of year-end 1984. It was preceded by several Federal Power Commission (FPC) forms including the FPC Form 4, Form 12 and 12E, Form 67, and Form EIA-411. In January 1999, the Form EIA-860 was renamed the Form EIA-860A, "Annual Electric Generator Report – Utility" and was implemented to collect data from electric utilities as of January 1, 1999.

In 1989, the Form EIA-867, "Annual Nonutility Power Producer Report," was initiated to collect plant data on unregulated entities with a total generator nameplate capacity of 5 or more megawatts. In 1992, the reporting threshold of the Form EIA-867 was lowered to include all facilities with a combined nameplate capacity of 1 or more megawatts. Previously, data were collected every 3 years from facilities with a nameplate capacity between 1 and 5 megawatts. In 1998, the Form EIA-867, was renamed Form EIA-860B, "Annual Electric Generator Report – Nonutility." The Form EIA-860B was a mandatory survey of all existing and planned nonutility electric generating facilities in the United States with a total generator nameplate capacity of 1 or more megawatts.

Beginning with data collected for the year 2001, the infrastructure data collected on the Form EIA-860A and the Form EIA-860B were combined into the new Form EIA-860 and the monthly and annual versions of the Form EIA-906.

Starting with 2007, design parameters data formerly collected on Form EIA-767 were collected on Form EIA-860. These include design parameters associated with certain steam-electric plants' boilers, cooling systems, flue gas particulate collectors, flue gas desulfurization units, and stacks and flues.

The Federal Energy Administration Act of 1974 (Public Law 93-275) defines the legislative authority to collect these data.

Estimation of form eia-860 data: EIA received forms from all 18,151 existing generators in the 2010 Form EIA-860 frame, so no imputation was required.

Prime Movers: The Form EIA-860 sometimes represents a generator’s prime mover by using the abbreviations in the table below.

Prime Mover Code	Prime Mover Description
BA	Energy Storage, Battery
CE	Energy Storage, Compressed Air
CP	Energy Storage, Concentrated Solar Power
FW	Energy Storage, Flywheel
PS	Energy Storage, Reversible Hydraulic Turbine (Pumped Storage)
ES	Energy Storage, Other
ST	Steam Turbine, including nuclear, geothermal and solar steam (does not include combined cycle)
GT	Combustion (Gas) Turbine (including jet engine design)
IC	Internal Combustion Engine (diesel, piston, reciprocating)
CA	Combined Cycle Steam Part
CT	Combined Cycle Combustion Turbine Part
CS	Combined Cycle Single Shaft
CC	Combined Cycle Total Unit
HA	Hydrokinetic, Axial Flow Turbine
HB	Hydrokinetic, Wave Buoy
HK	Hydrokinetic, Other
HY	Hydroelectric Turbine (including turbines associated with delivery of water by pipeline)
BT	Turbines Used in a Binary Cycle (including those used for geothermal applications)
PV	Photovoltaic
WT	Wind Turbine, Onshore
WS	Wind Turbine, Offshore
FC	Fuel Cell
OT	Other

Energy Sources: The Form EIA-860 sometimes represents the energy sources associated with generators by using the abbreviations and/or groupings in the table below.

Energy Source Grouping	Energy Source Code	Energy Source Description
Coal	ANT	Anthracite Coal
	BIT	Bituminous Coal
	LIG	Lignite Coal
	SUB	Subbituminous Coal
	SGC	Coal-Derived Synthesis Gas
	WC	Waste/Other Coal (including anthracite culm, bituminous gob, fine coal, lignite waste, waste coal)
Petroleum Products	DFO	Distillate Fuel Oil (including diesel, No. 1, No. 2, and No. 4 fuel oils)
	JF	Jet Fuel
	KER	Kerosene
	PC	Petroleum Coke
	PG	Gaseous Propane
	RFO	Residual Fuel Oil (including No. 5, and No. 6 fuel oils, and bunker C fuel oil)
	SG	Synthesis Gas from Petroleum Coke
	WO	Waste/Other Oil (including crude oil, liquid butane, liquid propane, naphtha, oil waste, re-refined motor oil, sludge oil, tar oil, or other petroleum-based liquid wastes)
	BFG	Blast Furnace Gas
	NG	Natural Gas
Natural Gas and Other Gases	OG	Other Gas
	NUC	Nuclear (including Uranium, Plutonium, and Thorium)
Nuclear	WAT	Water at a Conventional Hydroelectric Turbine, and water used in Wave Buoy Hydrokinetic Technology, Current Hydrokinetic Technology, and Tidal Hydrokinetic Technology
	(Prime Mover = HY)	
Hydroelectric Conventional	WAT	Pumping Energy for Reversible (Pumped Storage) Hydroelectric
Hydroelectric Pumped Storage	(Prime Mover = PS)	Turbine
	WDS	Wood/Wood Waste Solids (including paper pellets, railroad ties, utility poles, wood chips, bark, and wood wastesolids)
Wood and Wood-Derived Fuels	WDL	Wood Waste Liquids (excluding Black Liquor but including red liquor, sludge wood, spent sulfite liquor, and other wood-based liquids)
	BLQ	Black Liquor
	AB	Agricultural By-Products
Other Biomass	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
	SUN	Solar (including solar thermal)
Other Renewable Energy Sources	WND	Wind
	GEO	Geothermal
	PUR	Purchased Steam
Other Energy Sources	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 performed 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
<u>Prime Movers:</u>
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
<u>Environmental Equipment:</u>
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 waste²: 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

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

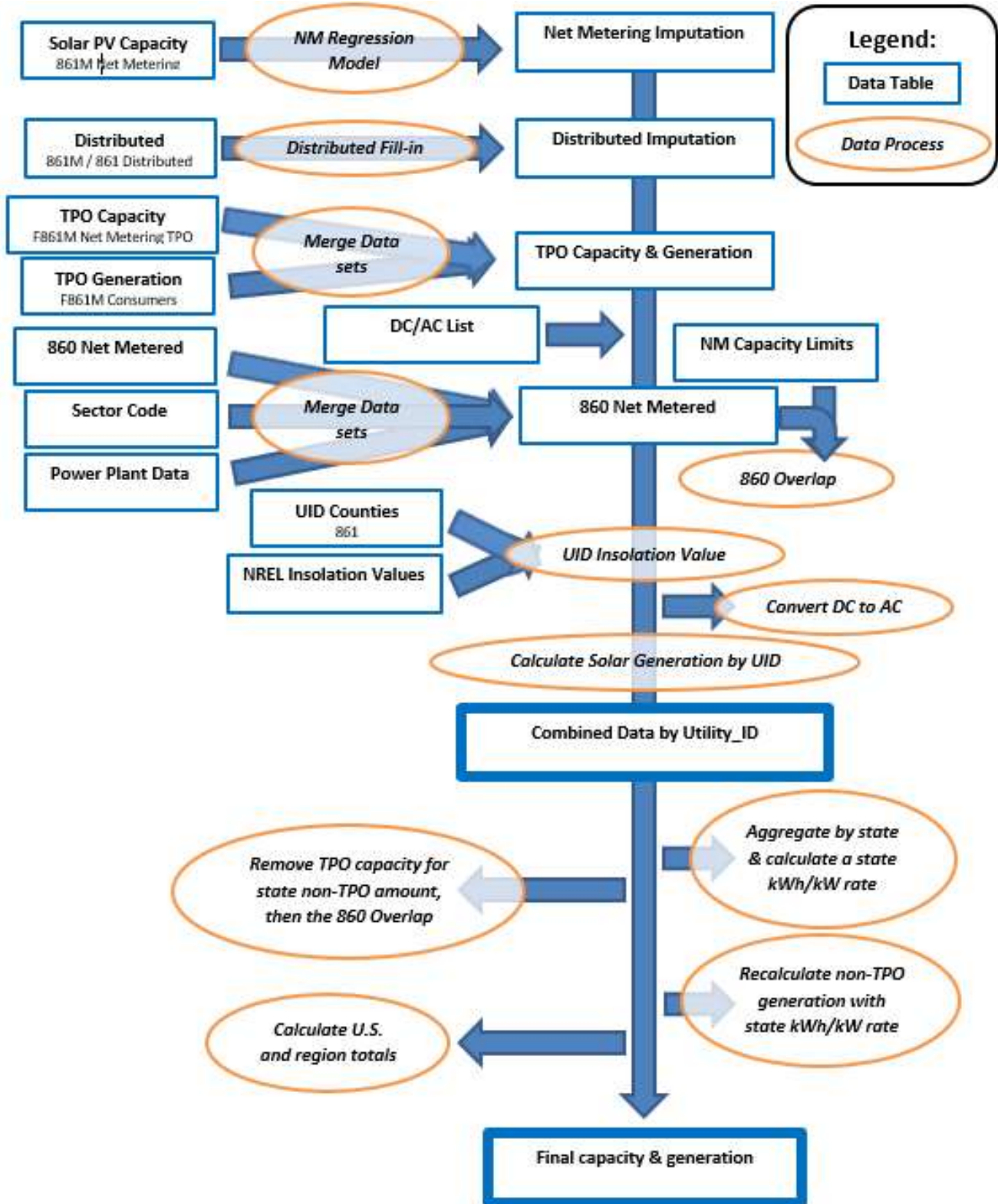
TMY3 (1991-2005) Weather Stations by MSA

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 Worcester 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 Worcester 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



¹The 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, “NO_x 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.