



*Independent Statistics and Analysis*

**U.S. Energy Information  
Administration**

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U.S. electric fossil-fuel receipts	Alexander Gorski
U.S. electric fossil-fuel costs	Alexander Gorski
U.S. sales of electricity to ultimate consumers	Alexander Gorski
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## Preface

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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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Net Generation and Consumption of Fuels for July														
Fuel	Facility Type	Total (All Sectors)			Electric Power Sector				Commercial		Industrial		Residential	
		July 2024	July 2023	Percentage Change	Electric Utilities		Independent Power Producers		July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
					July 2024	July 2023	July 2024	July 2023						
Net Generation (Thousand Megawatthours)														
Coal	Utility Scale Facilities	71,686	79,121	-9.4%	56,209	62,906	15,060	15,809	13	12	403	394	0	0
Petroleum Liquids	Utility Scale Facilities	1,001	967	3.5%	691	683	267	237	4	6	39	41	0	0
Petroleum Coke	Utility Scale Facilities	410	702	-41.7%	285	484	102	183	0	0	23	NM	0	0
Natural Gas	Utility Scale Facilities	209,033	200,554	4.2%	109,711	100,499	90,031	90,570	834	820	8,457	8,665	0	0
Other Gas	Utility Scale Facilities	831	995	-16.5%	0	0	246	292	0	0	585	703	0	0
Nuclear	Utility Scale Facilities	69,885	69,888	0.0%	40,433	39,977	29,453	29,910	0	0	0	0	0	0
Hydroelectric Conventional	Utility Scale Facilities	20,161	21,199	-4.9%	18,662	19,302	1,409	1,804	NM	NM	68	73	0	0
Renewable Sources Excluding Hydroelectric	Utility Scale Facilities	57,298	52,255	9.7%	8,059	6,746	46,876	43,195	405	417	1,958	1,897	0	0
... Wind	Utility Scale Facilities	28,108	27,903	0.7%	4,585	3,981	23,505	23,908	11	NM	NM	NM	0	0
... Solar Thermal and Photovoltaic	Utility Scale Facilities	23,891	18,880	26.5%	3,062	2,296	20,702	16,473	72	74	55	37	0	0
... Wood and Wood-Derived Fuels	Utility Scale Facilities	2,692	2,807	-4.1%	244	300	595	703	18	10	1,835	1,794	0	0
... Other Biomass	Utility Scale Facilities	1,314	1,362	-3.5%	92	85	857	891	303	326	62	59	0	0
... Geothermal	Utility Scale Facilities	1,293	1,303	-0.8%	77	84	1,217	1,220	0	0	0	0	0	0
Hydroelectric Pumped Storage	Utility Scale Facilities	-649	-648	0.1%	-482	-519	-167	-129	0	0	0	0	0	0
Other Energy Sources	Utility Scale Facilities	769	870	-11.7%	14	29	184	257	271	290	300	293	0	0
All Energy Sources	Utility Scale Facilities	430,424	425,902	1.1%	233,581	230,107	183,462	182,127	1,548	1,566	11,832	12,102	0	0
Estimated Small Scale Solar Photovoltaic	Small Scale Facilities	8,827	7,747	13.9%	0	0	0	0	2,373	2,073	489	465	5,965	5,209
Estimated Total Solar Photovoltaic	All Facilities	32,356	26,246	23.3%	3,062	2,296	20,340	16,092	2,445	2,147	543	502	5,965	5,209
Estimated Total Solar	All Facilities	32,718	26,626	22.9%	3,062	2,296	20,702	16,473	2,445	2,147	543	502	5,965	5,209
Consumption of Fossil Fuels for Electricity Generation														
Coal (1000 tons)	Utility Scale Facilities	40,510	44,484	-8.9%	31,218	34,595	9,152	9,750	5	4	135	136	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	1,799	1,687	6.6%	1,277	1,234	472	393	8	14	43	46	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	170	252	-32.3%	131	196	NM	44	0	0	8	11	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	1,555,059	1,496,047	3.9%	840,010	772,384	658,190	665,860	4,990	4,941	51,868	52,862	0	0
Consumption of Fossil Fuels for Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	759	802	-5.4%	128	166	25	37	27	23	579	576	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	192	210	-8.5%	5	5	23	25	8	18	155	162	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	53	54	-3.2%	0	1	NM	8	0	0	44	46	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	104,962	103,951	1.0%	5,586	5,320	28,900	27,775	5,857	5,994	64,620	64,862	0	0
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	41,269	45,286	-8.9%	31,347	34,761	9,177	9,787	31	27	714	711	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	1,991	1,897	5.0%	1,282	1,239	495	418	17	32	197	208	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	223	306	-27.1%	131	197	NM	52	0	0	52	57	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	1,660,022	1,599,998	3.8%	845,596	777,704	687,090	693,634	10,847	10,935	116,488	117,725	0	0
Fuel Stocks (end-of-month)														
Coal (1000 tons)	Utility Scale Facilities	126,469	122,181	3.5%	104,383	100,325	21,533	21,265	50	50	502	542	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	23,889	25,307	-5.6%	13,411	14,827	8,507	8,747	782	321	1,190	1,412	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	651	753	-13.5%	379	435	6	6	1	1	266	312	0	0

Sales, Revenue, and Average Price of Electricity to Ultimate Customers for July									
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)		
	July 2024	July 2023	Percentage Change	July 2024	July 2023	Percentage Change	July 2024	July 2023	Percentage Change
Residential	165,796	160,085	3.6%	27,550	25,431	8.3%	16.62	15.89	4.6%
Commercial	136,898	133,161	2.8%	18,595	17,403	6.9%	13.58	13.07	3.9%
Industrial	91,160	92,565	-1.5%	8,035	7,705	4.3%	8.81	8.32	5.9%
Transportation	641	621	3.3%	84	79	7.0%	13.15	12.69	3.6%
All Sectors	394,494	386,432	2.1%	54,264	50,618	7.2%	13.76	13.10	5.0%

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



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

Net Generation and Consumption of Fuels for January through July														
		Total (All Sectors)			Electric Power Sector				Commercial		Industrial		Residential	
					Electric Utilities		Independent Power Producers							
Fuel	Facility Type	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
Net Generation (Thousand Megawatthours)														
Coal	Utility Scale Facilities	374,713	378,617	-1.0%	293,635	290,982	78,406	84,950	108	116	2,564	2,570	0	0
Petroleum Liquids	Utility Scale Facilities	7,286	6,770	7.6%	5,375	4,836	1,566	1,580	44	42	301	311	0	0
Petroleum Coke	Utility Scale Facilities	1,952	2,735	-28.6%	1,172	1,772	644	776	3	1	134	185	0	0
Natural Gas	Utility Scale Facilities	1,066,056	1,014,265	5.1%	540,792	504,717	463,100	449,085	5,032	4,705	57,131	55,758	0	0
Other Gas	Utility Scale Facilities	5,709	6,370	-10.4%	0	0	1,651	1,773	0	0	4,058	4,597	0	0
Nuclear	Utility Scale Facilities	457,386	447,485	2.2%	259,704	256,458	197,682	191,027	0	0	0	0	0	0
Hydroelectric Conventional	Utility Scale Facilities	146,300	146,754	-0.3%	132,012	133,280	13,567	12,782	150	152	571	540	0	0
Renewable Sources Excluding Hydroelectric	Utility Scale Facilities	438,050	391,781	11.8%	69,946	60,408	351,839	315,183	2,699	2,648	13,566	13,542	0	0
... Wind	Utility Scale Facilities	275,543	256,563	7.4%	49,768	44,563	225,608	211,824	91	100	77	76	0	0
... Solar Thermal and Photovoltaic	Utility Scale Facilities	126,505	97,571	29.7%	17,785	13,295	107,966	83,677	464	402	289	196	0	0
... Wood and Wood-Derived Fuels	Utility Scale Facilities	18,235	18,809	-3.1%	1,351	1,465	4,105	4,486	59	54	12,720	12,804	0	0
... Other Biomass	Utility Scale Facilities	8,834	9,305	-5.1%	563	589	5,706	6,158	2,085	2,092	479	466	0	0
... Geothermal	Utility Scale Facilities	8,933	9,534	-6.3%	479	496	8,454	9,037	0	0	0	0	0	0
Hydroelectric Pumped Storage	Utility Scale Facilities	-3,007	-3,493	-13.9%	-2,085	-2,712	-921	-780	0	0	0	0	0	0
Other Energy Sources	Utility Scale Facilities	5,175	5,811	-10.9%	85	152	1,421	1,897	1,831	1,824	1,838	1,937	0	0
All Energy Sources	Utility Scale Facilities	2,499,621	2,397,096	4.3%	1,300,635	1,249,894	1,108,956	1,058,274	9,868	9,488	80,162	79,441	0	0
Estimated Small Scale Solar Photovoltaic	Small Scale Facilities	51,276	43,899	16.8%	0	0	0	0	13,387	11,901	2,861	2,660	35,028	29,338
Estimated Total Solar Photovoltaic	All Facilities	175,839	139,782	25.8%	17,785	13,295	106,024	81,989	13,851	12,303	3,151	2,857	35,028	29,338
Estimated Total Solar	All Facilities	177,781	141,470	25.7%	17,785	13,295	107,966	83,677	13,851	12,303	3,151	2,857	35,028	29,338
Consumption of Fossil Fuels for Electricity Generation														
Coal (1000 tons)	Utility Scale Facilities	213,167	217,341	-1.9%	164,025	163,858	48,238	52,579	36	38	868	866	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	12,346	12,078	2.2%	9,194	9,001	2,708	2,633	119	107	325	337	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	833	1,036	-19.6%	581	750	201	223	1	0	50	63	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	7,818,653	7,445,629	5.0%	4,121,579	3,850,451	3,317,988	3,224,600	30,272	28,950	348,813	341,627	0	0
Consumption of Fossil Fuels for Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	5,536	5,713	-3.1%	855	903	260	352	208	204	4,212	4,254	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	2,169	1,956	10.9%	50	43	159	195	372	167	1,588	1,550	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	330	360	-8.2%	1	7	53	71	4	2	273	280	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	719,648	705,379	2.0%	30,559	29,411	184,068	176,966	42,383	41,865	462,638	457,137	0	0
Consumption of Fossil Fuels for Electricity Generation and Useful Thermal Output														
Coal (1000 tons)	Utility Scale Facilities	218,703	223,054	-2.0%	164,879	164,762	48,499	52,930	244	242	5,081	5,120	0	0
Petroleum Liquids (1000 barrels)	Utility Scale Facilities	14,515	14,034	3.4%	9,244	9,044	2,866	2,829	491	274	1,914	1,887	0	0
Petroleum Coke (1000 tons)	Utility Scale Facilities	1,164	1,396	-16.6%	582	757	254	294	5	2	323	343	0	0
Natural Gas (1000 Mcf)	Utility Scale Facilities	8,538,301	8,151,008	4.8%	4,152,138	3,879,863	3,502,056	3,401,566	72,655	70,815	811,451	798,764	0	0

Sales, Revenue, and Average Price of Electricity to Ultimate Customers for January through July									
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)		
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	Percentage Change
	Residential	874,842	834,068	4.9%	142,920	132,828	7.6%	16.34	15.93
Commercial	813,270	784,845	3.6%	104,865	99,142	5.8%	12.89	12.63	2.1%
Industrial	588,792	588,178	0.1%	47,746	46,842	1.9%	8.11	7.96	1.9%
Transportation	4,075	3,902	4.4%	516	485	6.4%	12.65	12.42	1.9%
All Sectors	2,280,981	2,210,993	3.2%	296,046	279,297	6.0%	12.98	12.63	2.8%

YTD = Year to Date

NM = Not meaningful due to large relative standard error.

W = Withheld to avoid disclosure of individual company data.

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

Coal generation and consumption includes anthracite, bituminous, subbituminous, lignite, waste coal, refined coal, synthetic coal, and coal-derived synthesis gas.

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

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

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

Other Gases includes blast furnace gas, hydrogen gas, and other manufactured and waste gases derived from fossil fuels.

Wood and Wood-Derived Fuels include wood, black liquor, and other wood waste.

Other Biomass includes biogenic municipal solid waste, landfill gas, sludge waste, agricultural byproducts, and other biomass.

Coal stocks include anthracite, bituminous, subbituminous, lignite, refined coal, and synthetic coal; waste coal is excluded.

Sales of electricity to ultimate customers and net generation may not correspond exactly for a particular month for a variety of reasons (e.g., sales data may include imported electricity).

Net generation is presented for the calendar month while sales of electricity to ultimate customers and associated revenue accumulate from bills collected for periods of time that vary depending

Table ES2.A. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, Physical Units, 2024 and 2023

Total (All Sectors)										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date			
	(Physical Units)		(Dollars / Physical Unit)				Receipts		Cost	
	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
Coal (1000 tons)	32,863	37,298	46.91	46.50	179	183	203,862	248,067	47.66	47.64
Petroleum Liquids (1000 barrels)	944	1,397	113.20	107.07	94	101	7,797	10,049	115.98	119.23
Petroleum Coke (1000 tons)	189	100	91.69	101.16	3	3	553	889	84.05	122.44
Natural Gas (1000 Mcf)	1,373,106	1,322,828	2.59	3.06	600	596	7,140,008	6,839,672	2.88	3.72

Electric Utilities										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date			
	(Physical Units)		(Dollars / Physical Unit)				Receipts		Cost	
	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
Coal (1000 tons)	24,822	28,883	49.18	48.20	135	139	155,769	188,268	50.17	49.05
Petroleum Liquids (1000 barrels)	623	1,085	112.37	105.34	69	67	5,685	7,434	115.61	120.04
Petroleum Coke (1000 tons)	189	100	91.69	101.16	3	3	553	889	84.05	122.44
Natural Gas (1000 Mcf)	706,516	652,468	2.90	3.37	312	306	3,559,266	3,347,808	3.18	4.25

Independent Power Producers										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date			
	(Physical Units)		(Dollars / Physical Unit)				Receipts		Cost	
	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
Coal (1000 tons)	7,538	7,916	38.57	39.73	33	35	44,624	56,087	37.90	41.64
Petroleum Liquids (1000 barrels)	291	290	116.15	113.88	17	27	1,910	2,294	118.33	118.97
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	0.00	0.00
Natural Gas (1000 Mcf)	602,321	607,202	2.15	2.68	242	245	3,131,492	3,047,617	2.54	3.11

Commercial Sector										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date			
	(Physical Units)		(Dollars / Physical Unit)				Receipts		Cost	
	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 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)	629	607	3.42	3.18	3	3	4,162	4,651	3.34	3.08

Industrial Sector										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date			
	(Physical Units)		(Dollars / Physical Unit)				Receipts		Cost	
	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
Coal (1000 tons)	503	499	59.57	55.29	11	9	3,463	3,710	59.94	65.94
Petroleum Liquids (1000 barrels)	30	23	101.78	102.83	8	7	202	321	104.11	102.16
Petroleum Coke (1000 tons)	0	0	--	--	0	0	0	0	0.00	0.00
Natural Gas (1000 Mcf)	63,640	62,551	2.53	2.93	43	42	445,089	439,596	2.50	3.11

NM = Not meaningful due to large relative standard error.

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Number of Plants represents the number of plants for which receipts data were collected this month.

.... A plant using more than one fuel may be counted multiple times.

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

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

Table ES2.B. Summary Statistics: Receipts and Cost of Fossil Fuels for the Electric Power Industry by Sector, Btus, 2024 and 2023

Total (All Sectors)										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date Receipts		Year-to-Date Cost	
	(Billion Btu)		(Dollars / Million Btu)				(Billion Btu)		(Dollars / Million Btu)	
	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
Coal	620,939	697,637	2.48	2.49	179	183	3,865,747	4,683,151	2.51	2.52
Petroleum Liquids	5,760	8,601	18.54	17.39	94	101	47,460	61,111	19.05	19.60
Petroleum Coke	5,356	2,787	3.23	3.62	3	3	15,579	25,056	2.98	4.34
Natural Gas	1,419,716	1,365,367	2.51	2.97	600	596	7,375,306	7,059,417	2.79	3.60
Fossil Fuels	2,051,770	2,074,394	2.55	2.86	708	710	11,304,092	11,828,735	2.76	3.24

Electric Utilities										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date Receipts		Year-to-Date Cost	
	(Billion Btu)		(Dollars / Million Btu)				(Billion Btu)		(Dollars / Million Btu)	
	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
Coal	476,509	548,801	2.56	2.54	135	139	3,011,306	3,594,737	2.60	2.57
Petroleum Liquids	3,803	6,695	18.41	17.07	69	67	34,604	45,132	18.99	19.77
Petroleum Coke	5,356	2,787	3.23	3.62	3	3	15,579	25,056	2.98	4.34
Natural Gas	730,283	672,471	2.81	3.27	312	306	3,671,217	3,450,428	3.08	4.13
Fossil Fuels	1,215,950	1,230,754	2.76	3.02	392	389	6,732,706	7,115,353	2.94	3.44

Independent Power Producers										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date Receipts		Year-to-Date Cost	
	(Billion Btu)		(Dollars / Million Btu)				(Billion Btu)		(Dollars / Million Btu)	
	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
Coal	134,207	139,185	2.16	2.26	33	35	784,292	1,014,092	2.15	2.30
Petroleum Liquids	1,774	1,765	19.04	18.69	17	27	11,616	14,028	19.45	19.42
Petroleum Coke	0	0	--	--	0	0	0	0	0.00	0.00
Natural Gas	623,312	627,873	2.07	2.59	242	245	3,241,882	3,152,460	2.46	3.00
Fossil Fuels	759,293	768,823	2.14	2.56	268	274	4,037,791	4,180,580	2.44	2.87

Commercial Sector										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date Receipts		Year-to-Date Cost	
	(Billion Btu)		(Dollars / Million Btu)				(Billion Btu)		(Dollars / Million Btu)	
	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 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	652	629	3.31	3.07	3	3	4,315	4,807	3.22	2.98
Fossil Fuels	652	629	3.31	3.07	3	3	4,443	4,850	3.25	2.99

Industrial Sector										
Fuel	Receipts		Cost		Number of Plants		Year-to-Date Receipts		Year-to-Date Cost	
	(Billion Btu)		(Dollars / Million Btu)				(Billion Btu)		(Dollars / Million Btu)	
	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
Coal	10,223	9,652	2.93	2.86	11	9	70,021	74,279	2.96	3.29
Petroleum Liquids	183	141	16.48	16.54	8	7	1,240	1,951	16.96	16.78
Petroleum Coke	0	0	--	--	0	0	0	0	0.00	0.00
Natural Gas	65,470	64,395	2.46	2.85	43	42	457,891	451,722	2.43	3.03
Fossil Fuels	75,875	74,188	2.56	2.87	45	44	529,153	527,952	2.54	3.12

NM = Not meaningful due to large relative standard error.  
W = Withheld to avoid disclosure of individual company data.  
Number of Plants represents the number of plants for which receipts data were collected this month.  
.... The total number of fossil fuel plants is not the sum of the figures above it because a plant that receives two or more different fuels is only counted once.  
Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, synthetic coal, and coal-derived synthesis gas.  
Petroleum Liquids include distillate fuel oil, residual fuel oil, jet fuel, kerosene, propane, and waste oil.  
Natural Gas includes a small amount of supplemental gaseous fuels that cannot be identified separately.

# Chapter 1

## Net Generation



**Table 1.1. Net Generation by Energy Source: Total (All Sectors), 2014-July 2024  
(Thousand Megawatthours)**

Period	Generation at Utility Scale Facilities											Small Scale Generation	Net Generation From Utility and Small Scale Facilities		
	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Solar	Renewable Sources Excluding Hydroelectric and Solar	Hydroelectric Pumped Storage	Other	Total Generation at Utility Scale Facilities	Estimated Solar Photovoltaic	Estimated Total Solar Photovoltaic	Estimated Total Solar
<b>Annual Totals</b>															
2014	1,581,710	18,276	11,955	1,126,635	12,022	797,166	259,367	17,691	261,522	-6,174	13,393	4,093,564	11,233	26,482	28,924
2015	1,352,398	17,372	10,877	1,334,668	13,117	797,178	249,080	24,893	270,268	-5,091	13,955	4,078,714	14,139	35,805	39,032
2016	1,239,149	13,008	11,197	1,379,271	12,807	805,694	267,812	36,054	305,579	-6,686	13,689	4,077,574	18,812	51,483	54,866
2017	1,205,835	12,414	8,976	1,297,703	12,469	804,950	300,333	53,287	332,963	-6,495	13,008	4,035,443	23,990	74,008	77,277
2018	1,149,487	16,245	8,981	1,471,843	13,463	807,084	292,524	63,825	350,467	-5,905	12,973	4,180,988	29,539	89,773	93,365
2019	964,957	11,522	6,819	1,588,533	12,591	809,409	287,874	71,937	368,862	-5,261	13,331	4,130,574	34,957	103,676	106,894
2020	773,393	9,662	7,679	1,626,790	11,818	789,879	285,274	89,199	408,539	-5,321	12,855	4,009,767	41,522	127,588	130,721
2021	897,999	11,663	7,511	1,579,190	11,397	779,645	251,585	115,258	448,424	-5,112	12,140	4,109,699	49,164	161,499	164,422
2022	831,512	15,805	7,126	1,687,067	11,722	771,537	254,789	143,797	502,231	-6,028	11,114	4,230,672	61,282	202,080	205,079
2023	675,264	11,594	4,878	1,802,062	11,451	775,347	239,855	164,502	489,161	-5,897	9,955	4,178,171	73,619	235,270	238,120
<b>Year 2022</b>															
January	87,588	3,105	564	134,948	1,005	70,577	24,198	7,822	43,424	-493	1,029	373,766	3,376	11,066	11,198
February	70,966	1,114	821	114,945	866	61,852	21,321	9,027	43,090	-412	900	324,311	3,717	12,585	12,744
March	61,019	959	500	112,477	953	63,154	24,436	11,695	48,677	-318	979	324,531	5,121	16,560	16,816
April	55,329	749	528	105,506	921	55,290	20,066	13,402	51,528	-265	941	303,994	5,671	18,752	19,073
May	62,532	834	596	127,094	1,036	63,382	23,359	15,121	47,727	-467	971	342,184	6,236	20,986	21,357
June	73,463	897	683	155,517	987	65,715	25,988	16,053	39,461	-589	959	379,134	6,229	21,910	22,282
July	86,415	1,045	488	189,042	1,083	68,857	24,567	15,766	35,499	-768	982	422,976	6,438	21,916	22,204
August	85,215	1,001	576	188,860	1,008	68,897	21,133	14,503	30,657	-640	924	412,134	6,194	20,418	20,697
Sept	64,998	942	648	156,948	987	63,733	17,026	13,287	32,840	-598	845	351,655	5,544	18,546	18,831
October	54,228	952	610	133,492	968	58,945	14,367	11,942	38,036	-434	844	313,949	5,022	16,675	16,964
November	56,377	911	568	127,523	911	62,041	17,898	8,403	46,779	-495	864	321,781	4,035	12,289	12,438
December	73,381	3,296	744	140,716	978	69,094	20,430	6,777	44,514	-548	876	360,257	3,698	10,377	10,475
<b>Year 2023</b>															
January	61,275	995	406	137,725	990	70,870	22,287	7,982	45,231	-612	882	348,031	3,992	11,890	11,974
February	46,488	1,129	335	123,928	912	60,807	18,680	9,251	47,374	-448	801	309,258	4,401	13,543	13,652
March	50,057	976	323	132,207	961	62,820	20,197	12,144	49,930	-511	814	329,920	6,003	17,994	18,148
April	40,141	893	301	120,294	717	56,662	17,479	14,755	47,926	-281	739	299,628	6,768	21,228	21,523
May	43,835	903	286	137,728	901	61,473	27,445	16,927	37,589	-450	857	327,493	7,560	24,187	24,487
June	57,700	906	383	161,827	894	64,965	19,467	17,631	32,785	-542	848	356,863	7,429	24,695	25,060
July	79,121	967	702	200,554	995	69,888	21,199	18,880	33,375	-648	870	425,902	7,747	26,246	26,626
August	78,187	990	701	199,995	1,151	69,744	21,120	17,816	34,127	-644	855	424,042	7,556	25,062	25,372
Sept	60,001	919	635	165,406	951	65,560	16,469	15,563	33,312	-544	775	359,047	6,623	21,892	22,185
October	50,956	973	312	140,963	913	61,403	18,076	14,082	41,368	-371	823	329,497	6,094	19,888	20,175
November	51,231	960	206	135,260	999	62,258	18,100	10,271	42,329	-339	830	322,103	4,958	15,062	15,229
December	56,271	983	289	146,174	1,067	68,898	19,336	9,200	43,814	-506	862	346,387	4,489	13,582	13,689
<b>Year 2024</b>															
January	75,682	1,493	317	160,450	1,029	69,080	21,237	9,651	40,487	-411	805	379,799	4,782	14,355	14,434
February	44,055	775	199	130,990	780	64,584	19,597	12,389	46,591	-396	716	320,280	5,417	17,686	17,806
March	38,360	816	150	130,423	723	63,346	22,945	15,668	50,858	-342	693	323,639	7,131	22,577	22,799
April	37,223	874	239	122,441	739	57,326	19,190	18,938	52,609	-330	647	309,896	7,909	26,515	26,847
May	46,328	915	260	143,917	754	64,973	21,963	22,050	44,126	-292	805	345,798	8,592	30,228	30,642
June	61,399	1,413	377	168,803	854	68,192	21,207	23,918	43,466	-586	740	389,784	8,618	32,122	32,536
July	71,686	1,001	410	209,033	831	69,885	20,161	23,891	33,408	-649	769	430,424	8,827	32,356	32,718
<b>Year to Date</b>															
2022	497,312	8,704	3,981	939,529	6,871	448,826	163,934	88,885	309,405	-3,313	6,761	2,470,896	36,788	123,775	125,673
2023	378,617	6,770	2,735	1,014,265	6,370	447,485	146,754	97,571	294,210	-3,493	5,811	2,397,096	43,899	139,782	141,470
2024	374,713	7,286	1,952	1,066,056	5,709	457,386	146,300	126,505	311,545	-3,007	5,175	2,499,621	51,276	175,839	177,781
<b>Rolling 12 Months Ending in July</b>															
2023	712,816	13,871	5,880	1,761,803	11,221	770,196	237,608	152,482	487,037	-6,208	10,164	4,156,871	68,394	218,088	220,876
2024	671,360	12,110	4,095	1,853,854	10,790	785,248	239,401	193,436	506,495	-5,411	9,319	4,280,696	80,996	271,327	274,432

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.

Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.

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

Other Gas includes blast furnace gas, hydrogen gas, and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.

See the Technical Notes for fuel conversion factors.

Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

Other includes non-biogenic municipal solid waste, batteries, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.

Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.

See Glossary for definitions. Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.

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

Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.

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

Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

Estimated small scale solar photovoltaic generation and small scale solar photovoltaic capacity are based on data from Form EIA-861M, Form EIA-861 and from estimation methods described in the technical notes.

**Table 1.1.A. Net Generation from Renewable Sources: Total (All Sectors), 2014-July 2024  
(Thousand Megawatthours)**

Period	Generation at Utility Scale Facilities										Small Scale Generation	Generation From Utility and Small Scale Facilities	
	Wind	Solar Photovoltaic	Solar Thermal	Wood and Wood-Derived Fuels	Landfill Gas	Biogenic Municipal Solid Waste	Other Waste Biomass	Geothermal	Conventional Hydroelectric	Total Renewable Generation at Utility Scale Facilities	Estimated Solar Photovoltaic	Estimated Total Solar Photovoltaic	Estimated Total Solar
<b>Annual Totals</b>													
2014	181,655	15,250	2,441	42,340	11,220	7,228	3,202	15,877	259,367	538,579	11,233	26,482	28,924
2015	190,719	21,666	3,227	41,929	11,291	7,211	3,201	15,918	249,080	544,241	14,139	35,805	39,032
2016	226,993	32,670	3,384	40,947	11,218	7,265	3,331	15,826	267,812	609,445	18,812	51,483	54,866
2017	254,303	50,018	3,269	41,124	11,543	6,951	3,115	15,927	300,333	686,583	23,990	74,008	77,277
2018	272,667	60,234	3,592	40,936	11,036	7,136	2,724	15,967	292,524	706,816	29,539	89,773	93,365
2019	295,882	68,719	3,218	38,543	10,468	6,093	2,402	15,473	287,874	728,673	34,957	103,676	106,894
2020	337,938	86,066	3,133	36,219	10,212	6,080	2,201	15,890	285,274	783,012	41,522	127,588	130,721
2021	378,197	112,335	2,924	36,463	9,421	6,101	2,267	15,975	251,585	815,267	49,164	161,499	164,422
2022	434,297	140,798	2,999	35,464	8,535	5,776	2,073	16,087	254,789	900,817	61,282	202,080	205,079
2023	425,235	161,651	2,850	31,439	8,285	5,587	2,153	16,462	239,855	893,517	73,619	235,270	238,120
<b>Year 2022</b>													
January	37,416	7,689	133	3,106	748	492	192	1,470	24,198	75,444	3,376	11,066	11,198
February	37,645	8,869	159	2,897	701	432	173	1,243	21,321	73,438	3,717	12,585	12,744
March	43,031	11,439	255	2,934	773	465	188	1,286	24,436	84,808	5,121	16,560	16,816
April	46,167	13,081	321	2,736	699	482	161	1,282	20,066	84,995	5,671	18,752	19,073
May	42,124	14,750	371	2,905	722	492	157	1,327	23,359	86,206	6,236	20,986	21,357
June	33,768	15,681	372	3,045	710	498	166	1,276	25,988	81,502	6,229	21,910	22,282
July	29,475	15,478	288	3,276	723	510	173	1,341	24,567	75,832	6,438	21,916	22,204
August	24,718	14,224	279	3,206	707	498	174	1,354	21,133	66,293	6,194	20,418	20,697
Sept	27,331	13,002	285	2,864	686	470	159	1,329	17,026	63,152	5,544	18,546	18,831
October	32,745	11,653	289	2,624	714	473	182	1,298	14,367	64,345	5,022	16,675	16,964
November	41,199	8,254	149	2,865	678	473	167	1,397	17,898	73,080	4,035	12,289	12,438
December	38,680	6,679	99	3,005	674	493	181	1,482	20,430	71,721	3,698	10,377	10,475
<b>Year 2023</b>													
January	39,212	7,898	84	3,042	746	485	189	1,558	22,287	75,500	3,992	11,890	11,974
February	42,184	9,142	109	2,613	662	421	192	1,302	18,680	75,305	4,401	13,543	13,652
March	44,580	11,991	154	2,623	720	447	181	1,380	20,197	82,272	6,003	17,994	18,148
April	43,072	14,460	295	2,295	633	410	169	1,347	17,479	80,160	6,768	21,228	21,523
May	32,066	16,627	300	2,783	709	476	183	1,371	27,445	81,960	7,560	24,187	24,487
June	27,545	17,266	365	2,646	676	484	161	1,273	19,467	69,883	7,429	24,695	25,060
July	27,903	18,500	380	2,807	699	498	164	1,303	21,199	73,453	7,747	26,246	26,626
August	28,546	17,507	310	2,890	705	483	164	1,341	21,120	73,063	7,556	25,062	25,372
Sept	28,230	15,269	293	2,476	660	441	154	1,351	16,469	65,344	6,623	21,892	22,185
October	36,484	13,795	287	2,126	683	464	197	1,414	18,076	73,526	6,094	19,888	20,175
November	37,042	10,104	166	2,555	661	475	187	1,410	18,100	70,700	4,958	15,062	15,229
December	38,371	9,093	107	2,584	732	504	211	1,413	19,336	72,350	4,489	13,582	13,689
<b>Year 2024</b>													
January	34,976	9,572	79	2,821	672	468	182	1,368	21,237	71,375	4,782	14,355	14,434
February	41,626	12,269	119	2,468	635	422	172	1,269	19,597	78,577	5,417	17,686	17,806
March	45,879	15,446	221	2,500	630	422	187	1,240	22,945	89,471	7,131	22,577	22,799
April	47,689	18,606	332	2,446	608	409	164	1,292	19,190	90,737	7,909	26,515	26,847
May	38,936	21,636	414	2,659	659	470	178	1,225	21,963	88,139	8,592	30,228	30,642
June	38,330	23,504	414	2,649	632	450	160	1,246	21,207	88,591	8,618	32,122	32,536
July	28,108	23,529	362	2,692	674	475	164	1,293	20,161	77,459	8,827	32,356	32,718
<b>Year to Date</b>													
2022	269,625	86,987	1,899	20,899	5,076	3,370	1,210	9,226	163,934	562,225	36,788	123,775	125,673
2023	256,563	95,883	1,687	18,809	4,845	3,221	1,239	9,534	146,754	538,535	43,899	139,782	141,470
2024	275,543	124,563	1,942	18,235	4,511	3,116	1,207	8,933	146,300	584,350	51,276	175,839	177,781
<b>Rolling 12 Months Ending in July</b>													
2023	421,235	149,694	2,788	33,373	8,304	5,627	2,102	16,394	237,608	877,127	68,394	218,088	220,876
2024	444,216	190,331	3,105	30,865	7,951	5,482	2,120	15,861	239,401	939,332	80,996	271,327	274,432

Wood and Wood-derived fuels include wood/wood waste solids (including paper pellets, railroad ties, utility poles, wood chips, bark, and wood waste solids), wood waste liquids (red liquor, sludge wood, spent sulfite liquor, and other wood-based liquids), and black liquor.

Other Waste Biomass includes sludge waste, agricultural byproducts, other biomass solids, other biomass liquids, and other biomass gases (including digester gases, methane, and other biomass gases).

Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.

See Glossary for definitions. Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms..

Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.

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Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.

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Estimated small scale solar photovoltaic generation and small scale solar photovoltaic capacity are based on data from Form EIA-861M, Form EIA-861 and from estimation methods described in the technical notes.



**Table 1.2.A. Net Generation by Energy Source: Electric Utilities, 2014-July 2024**  
(Thousand Megawatthours)

Period	Generation at Utility Scale Facilities										Total	
	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Solar	Renewable Sources Excluding Hydroelectric and Solar	Hydroelectric Pumped Storage		Other
<b>Annual Totals</b>												
2014	1,173,073	10,696	9,147	501,440	112	419,871	238,185	1,218	33,278	-5,144	622	2,382,500
2015	998,385	10,386	8,278	619,003	199	416,680	229,640	1,494	35,992	-4,105	558	2,316,508
2016	922,399	9,069	8,881	655,744	154	424,400	247,787	1,995	40,666	-5,629	421	2,305,887
2017	893,639	8,567	6,711	625,094	149	424,485	275,677	3,348	42,763	-5,448	553	2,275,539
2018	863,505	10,108	6,817	722,916	151	424,251	267,336	4,916	44,184	-4,785	561	2,339,960
2019	722,885	8,313	5,112	787,745	154	430,672	262,364	6,785	48,403	-4,261	551	2,268,723
2020	582,374	7,182	5,663	815,414	45	428,953	264,650	9,945	59,797	-4,326	618	2,170,316
2021	674,804	8,791	5,728	777,057	12	430,683	228,689	13,911	75,338	-3,876	508	2,211,643
2022	621,853	9,356	5,383	832,421	0	427,933	232,953	17,697	86,233	-4,752	534	2,229,611
2023	518,486	8,424	3,146	890,860	0	441,855	217,052	21,893	78,985	-4,546	277	2,176,432
<b>Year 2022</b>												
January	63,823	1,254	388	66,875	0	39,295	22,395	1,066	8,258	-420	58	202,990
February	50,911	629	453	55,560	0	34,300	19,408	1,188	7,998	-301	51	170,198
March	43,015	691	324	54,831	0	34,385	21,943	1,533	8,561	-214	55	165,124
April	40,123	548	361	51,428	0	30,252	17,583	1,714	8,652	-164	43	150,540
May	47,965	639	503	62,462	0	35,037	21,195	1,850	7,488	-375	53	176,816
June	56,910	652	545	79,183	0	36,908	24,296	1,837	6,114	-460	40	206,025
July	66,631	678	388	95,306	0	38,888	23,132	1,812	5,104	-623	40	231,356
August	64,386	661	421	93,582	0	38,921	19,778	1,718	4,893	-495	36	223,901
Sept	49,704	680	480	75,875	0	35,914	15,593	1,490	5,846	-493	33	185,223
October	41,060	676	440	64,375	0	32,085	12,963	1,460	6,736	-370	46	159,472
November	41,209	673	446	63,004	0	33,612	16,315	1,046	8,593	-398	40	164,538
December	56,116	1,575	636	69,839	0	38,335	18,352	982	7,992	-437	39	193,428
<b>Year 2023</b>												
January	47,811	758	265	67,699	0	40,507	19,890	1,191	7,060	-498	22	184,704
February	34,798	698	257	59,842	0	34,281	16,851	1,441	8,202	-359	16	156,027
March	37,662	698	166	64,884	0	36,091	18,020	1,888	8,068	-389	17	167,105
April	29,039	648	176	59,884	0	33,574	15,689	1,946	8,514	-191	15	149,295
May	32,552	659	166	70,535	0	34,877	25,405	2,287	6,224	-336	21	172,390
June	46,214	693	257	81,374	0	37,151	18,123	2,245	4,595	-420	31	190,264
July	62,906	683	484	100,499	0	39,977	19,302	2,296	4,450	-519	29	230,107
August	61,741	751	491	101,984	0	40,065	19,166	2,281	5,182	-499	34	231,196
Sept	46,722	667	441	81,260	0	37,575	14,755	1,948	5,204	-415	26	188,183
October	38,858	716	176	69,048	0	34,541	16,075	1,849	6,847	-294	19	167,834
November	37,367	710	100	63,102	0	34,719	16,448	1,376	7,491	-245	21	161,091
December	42,816	743	167	70,749	0	38,497	17,327	1,144	7,148	-380	25	178,236
<b>Year 2024</b>												
January	58,497	1,035	200	78,218	0	39,090	18,851	1,262	6,562	-292	20	203,444
February	34,822	595	91	64,428	0	36,601	17,493	1,939	7,494	-268	12	163,207
March	31,015	611	40	64,927	0	35,957	20,529	2,277	8,736	-213	6	163,884
April	28,379	619	137	61,078	0	31,895	17,149	2,917	9,367	-231	4	151,314
May	36,011	674	168	74,764	0	36,822	19,842	3,208	7,578	-152	14	178,930
June	48,700	1,149	252	87,665	0	38,907	19,486	3,121	7,426	-446	14	206,274
July	56,209	691	285	109,711	0	40,433	18,662	3,062	4,997	-482	14	233,581
<b>Year to Date</b>												
2022	369,378	5,091	2,961	465,645	0	249,066	149,952	11,001	52,173	-2,558	339	1,303,050
2023	290,982	4,836	1,772	504,717	0	256,458	133,280	13,295	47,113	-2,712	152	1,249,894
2024	293,635	5,375	1,172	540,792	0	259,704	132,012	17,785	52,160	-2,085	85	1,300,635
<b>Rolling 12 Months Ending in July</b>												
2023	543,458	9,101	4,194	871,492	0	435,325	216,281	19,991	81,172	-4,907	346	2,176,454
2024	521,138	8,962	2,546	926,935	0	445,101	215,784	26,383	84,032	-3,919	210	2,227,174

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.

Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.

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

Other Gas includes blast furnace gas, hydrogen gas, and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.

See the Technical Notes for fuel conversion factors.

Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

Other includes non-biogenic municipal solid waste, batteries, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.

Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.

See Glossary for definitions. Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Total may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.

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**Table 1.2.B Net Generation by Energy Source: Independent Power Producers, 2014-July 2024  
(Thousand Megawatthours)**

Period	Generation at Utility Scale Facilities										Renewable Sources Excluding Hydroelectric and Solar	Hydroelectric Pumped Storage	Other	Total
	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Solar						
<b>Annual Totals</b>														
2014	395,701	6,789	1,410	531,758	3,246	377,295	19,861	16,086	196,723	-1,030	6,622	1,554,462		
2015	342,608	6,240	1,601	619,839	3,517	380,498	17,996	22,962	202,858	-987	6,765	1,603,898		
2016	307,263	3,360	1,401	624,600	3,758	381,294	18,539	33,502	233,553	-1,057	6,876	1,613,090		
2017	304,198	3,281	1,480	572,919	3,978	380,465	23,034	49,376	258,962	-1,047	6,439	1,603,086		
2018	278,668	5,487	1,516	645,616	3,935	382,833	23,812	58,337	275,154	-1,119	6,677	1,680,917		
2019	235,847	2,669	1,125	692,113	3,883	378,738	24,288	64,480	290,343	-1,000	7,138	1,699,625		
2020	185,328	1,984	1,504	706,885	3,129	360,925	19,409	78,567	319,633	-995	6,971	1,683,340		
2021	217,636	2,378	1,413	699,547	3,292	348,961	21,702	100,612	344,784	-1,235	6,449	1,745,538		
2022	204,243	5,734	1,354	750,266	3,451	343,604	20,673	125,155	387,590	-1,276	3,487	1,844,282		
2023	152,214	2,597	1,429	804,399	3,234	333,492	21,660	141,592	383,558	-1,351	3,082	1,845,906		
<b>Year 2022</b>														
January	23,291	1,778	144	58,734	292	31,282	1,702	6,707	32,672	-73	337	156,865		
February	19,627	438	131	51,382	251	27,552	1,808	7,781	32,824	-111	276	141,960		
March	17,526	222	145	49,110	270	28,768	2,358	10,085	37,718	-103	307	146,406		
April	14,792	154	137	46,169	291	25,037	2,360	11,598	40,541	-101	296	141,274		
May	14,096	149	58	56,228	365	28,345	2,054	13,172	37,838	-92	289	152,501		
June	16,076	192	108	67,698	281	28,807	1,601	14,109	30,941	-129	309	159,993		
July	19,305	311	71	84,262	342	29,969	1,357	13,851	27,884	-146	312	177,519		
August	20,347	295	124	85,697	277	29,976	1,272	12,685	23,314	-145	298	174,141		
Sept	14,860	210	140	72,435	306	27,819	1,354	11,709	24,739	-105	275	153,744		
October	12,745	228	136	60,642	276	26,860	1,338	10,406	29,126	-64	255	141,947		
November	14,768	190	84	55,774	236	28,430	1,504	7,299	35,838	-97	252	144,278		
December	16,810	1,566	76	62,134	264	30,759	1,966	5,753	34,153	-111	284	153,653		
<b>Year 2023</b>														
January	13,044	175	NM	61,059	285	30,363	2,283	6,739	35,748	-113	297	149,992		
February	11,317	380	NM	55,673	239	26,526	1,733	7,752	37,025	-89	270	140,879		
March	12,026	221	121	58,486	261	26,730	2,073	10,175	39,619	-122	278	149,867		
April	10,741	199	104	52,925	171	23,088	1,702	12,720	37,340	-91	234	139,133		
May	10,911	202	100	58,959	282	26,596	1,928	14,535	29,038	-114	288	142,726		
June	11,103	165	103	71,414	242	27,814	1,260	15,283	26,013	-123	273	153,549		
July	15,809	237	183	90,570	292	29,910	1,804	16,473	26,722	-129	257	182,127		
August	16,060	193	179	88,375	344	29,679	1,858	15,430	26,672	-145	247	178,891		
Sept	12,903	211	166	74,933	277	27,985	1,633	13,525	26,055	-129	214	157,773		
October	11,729	214	118	63,130	246	26,862	1,911	12,154	32,457	-77	224	148,968		
November	13,504	206	90	63,154	277	27,538	1,563	8,816	32,545	-94	243	147,844		
December	13,068	193	100	65,722	317	30,401	1,911	7,989	34,323	-126	257	154,156		
<b>Year 2024</b>														
January	16,747	390	95	72,328	286	29,990	2,274	8,324	31,629	-119	238	162,181		
February	8,861	126	93	57,864	219	27,983	2,002	10,363	36,967	-128	211	144,563		
March	6,934	161	94	56,850	200	27,389	2,306	13,285	39,905	-128	199	147,194		
April	8,526	206	85	52,840	230	25,432	1,944	15,909	41,055	-99	164	146,292		
May	9,959	196	73	60,499	188	28,151	2,016	18,715	34,276	-140	250	154,183		
June	12,318	219	103	72,688	281	29,285	1,616	20,668	33,865	-140	175	171,079		
July	15,060	267	102	90,031	246	29,453	1,409	20,702	26,174	-167	184	183,462		
<b>Year to Date</b>														
2022	124,713	3,245	794	413,584	2,093	199,760	13,239	77,303	240,418	-755	2,125	1,076,519		
2023	84,950	1,580	776	449,085	1,773	191,027	12,782	83,677	231,506	-780	1,897	1,058,274		
2024	78,406	1,566	644	463,100	1,651	197,682	13,567	107,966	243,873	-921	1,421	1,108,956		
<b>Rolling 12 Months Ending in July</b>														
2023	164,480	4,069	NM	785,767	3,131	334,871	20,216	131,529	378,677	-1,301	3,260	1,826,036		
2024	145,671	2,584	1,297	818,414	3,112	340,147	22,445	165,881	395,925	-1,492	2,605	1,896,588		

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.

Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.

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

Other Gas includes blast furnace gas, hydrogen gas, and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.

See the Technical Notes for fuel conversion factors.

Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

Other includes non-biogenic municipal solid waste, batteries, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.

Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.

See Glossary for definitions. Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

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

Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.

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

Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

Table 1.2.C. Net Generation by Energy Source: Commercial Sector, 2014-July 2024  
(Thousand Megawatthours)

Period	Generation at Utility Scale Facilities											Small Scale Generation	Net Generation From Utility and Small Scale Facilities		
	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Solar	Renewable Sources Excluding Hydroelectric and Solar	Hydroelectric Pumped Storage	Other	Total Generation at Utility Scale Facilities	Estimated Solar Photovoltaic	Estimated Total Solar Photovoltaic	Estimated Total Solar
Annual Totals															
2014	595	247	9	7,227	0	0	38	371	2,862	0	1,171	12,520	5,146	5,516	5,516
2015	509	183	8	7,471	0	0	35	416	2,803	0	1,170	12,595	5,689	6,106	6,106
2016	383	77	6	7,730	0	0	217	529	2,697	0	1,068	12,706	6,158	6,687	6,687
2017	329	103	8	8,042	0	0	240	521	2,729	0	1,088	13,060	7,685	8,206	8,206
2018	303	132	7	8,419	0	0	227	525	2,688	0	1,010	13,312	9,798	10,324	10,324
2019	268	116	5	8,610	0	0	188	587	2,840	0	1,076	13,689	11,002	11,588	11,588
2020	240	97	2	8,110	0	0	214	586	2,761	0	1,035	13,046	12,859	13,445	13,445
2021	280	94	4	7,346	0	0	258	598	2,978	0	1,209	12,768	15,124	15,722	15,722
2022	287	101	10	7,830	0	0	263	669	4,185	0	3,391	16,737	17,724	18,393	18,393
2023	200	70	2	8,370	0	0	238	690	3,908	0	3,198	16,675	19,470	20,161	20,161
Year 2022															
January	29	23	1	655	0	0	24	36	358	0	276	1,403	1,012	1,048	1,048
February	19	6	1	563	0	0	21	42	324	0	254	1,232	1,116	1,158	1,158
March	18	5	1	606	0	0	24	56	346	0	271	1,328	1,521	1,576	1,576
April	13	6	1	559	0	0	21	66	349	0	295	1,308	1,662	1,728	1,728
May	10	6	1	611	0	0	26	71	358	0	298	1,381	1,816	1,887	1,887
June	27	8	1	672	0	0	27	74	354	0	291	1,455	1,819	1,893	1,893
July	26	7	1	807	0	0	26	72	359	0	294	1,592	1,894	1,966	1,966
August	29	8	0	822	0	0	22	69	360	0	286	1,595	1,801	1,871	1,871
Sept	30	5	0	696	0	0	18	61	335	0	272	1,417	1,608	1,668	1,668
October	28	5	0	571	0	0	15	52	345	0	284	1,300	1,383	1,435	1,435
November	28	6	1	601	0	0	18	40	350	0	286	1,330	1,086	1,126	1,126
December	30	18	1	668	0	0	20	29	347	0	284	1,397	1,007	1,037	1,037
Year 2023															
January	22	8	1	664	0	0	23	35	341	0	271	1,365	1,105	1,140	1,140
February	20	8	0	619	0	0	20	39	231	0	231	1,231	1,231	1,270	1,270
March	16	7	0	651	0	0	NM	56	309	0	241	1,300	1,658	1,713	1,713
April	20	NM	0	599	0	0	NM	60	298	0	235	1,233	1,838	1,898	1,898
May	18	NM	0	624	0	0	NM	70	324	0	272	1,345	2,002	2,073	2,073
June	NM	4	0	727	0	0	NM	68	337	0	282	1,447	1,995	2,063	2,063
July	12	6	0	820	0	0	NM	74	343	0	290	1,566	2,073	2,147	2,147
August	11	5	0	820	0	0	NM	71	336	0	278	1,542	1,976	2,047	2,047
Sept	14	5	0	765	0	0	NM	60	311	0	258	1,427	1,764	1,824	1,824
October	19	5	0	673	0	0	NM	52	328	0	272	1,364	1,526	1,579	1,579
November	18	6	0	678	0	0	17	59	337	0	278	1,393	1,202	1,261	1,261
December	21	7	1	729	0	0	NM	46	350	0	289	1,462	1,101	1,147	1,147
Year 2024															
January	30	11	1	751	0	0	21	44	344	0	278	1,481	1,206	1,251	1,251
February	20	5	0	692	0	0	NM	59	303	0	247	1,346	1,396	1,455	1,455
March	18	6	0	725	0	0	NM	69	305	0	244	1,390	1,847	1,916	1,916
April	13	7	0	603	0	0	NM	68	302	0	247	1,258	2,029	2,097	2,097
May	NM	5	1	684	0	0	NM	77	332	0	279	1,406	2,255	2,332	2,332
June	10	6	1	743	0	0	NM	75	317	0	265	1,440	2,281	2,356	2,356
July	13	4	0	834	0	0	NM	72	333	0	271	1,548	2,373	2,445	2,445
Year to Date															
2022	143	61	8	4,473	0	0	170	418	2,448	0	1,979	9,699	10,838	11,256	11,256
2023	116	42	1	4,705	0	0	152	402	2,246	0	1,824	9,488	11,901	12,303	12,303
2024	108	44	3	5,032	0	0	150	464	2,235	0	1,831	9,868	13,387	13,851	13,851
Rolling 12 Months Ending in July															
2023	NM	NM	3	8,062	0	0	NM	653	3,983	0	3,236	16,526	18,787	19,440	19,440
2024	NM	72	3	8,698	0	0	NM	752	3,897	0	3,205	17,056	20,956	21,709	21,709

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.

Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.

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

Other Gas includes blast furnace gas, hydrogen gas, and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.

See the Technical Notes for fuel conversion factors.

Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

Other includes non-biogenic municipal solid waste, batteries, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.

Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.

See Glossary for definitions. Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.

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

Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.

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

Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

Estimated small scale solar photovoltaic generation and small scale solar photovoltaic capacity are based on data from Form EIA-861M, Form EIA-861 and from estimation methods described in the technical notes.

**Table 1.2.D. Net Generation by Energy Source: Industrial Sector, 2014-July 2024**  
(Thousand Megawatthours)

Period	Generation at Utility Scale Facilities											Small Scale Generation		Net Generation From Utility and Small Scale Facilities	
	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gas	Nuclear	Hydroelectric Conventional	Solar	Renewable Sources Excluding Hydroelectric and Solar	Hydroelectric Pumped Storage	Other	Total Generation at Utility Scale Facilities	Estimated Solar Photovoltaic	Estimated Total Solar Photovoltaic	Estimated Total Solar
<b>Annual Totals</b>															
2014	12,341	544	1,389	86,209	8,664	0	1,282	16	28,659	0	4,978	144,083	1,139	1,156	1,156
2015	10,896	563	990	88,355	9,401	0	1,410	21	28,614	0	5,462	145,712	1,451	1,472	1,472
2016	9,103	503	909	91,197	8,895	0	1,269	27	28,663	0	5,324	145,890	2,060	2,087	2,087
2017	7,669	463	776	91,647	8,343	0	1,382	42	28,508	0	4,928	143,758	2,364	2,406	2,406
2018	7,011	517	640	94,892	9,377	0	1,149	47	28,440	0	4,725	146,798	2,636	2,683	2,683
2019	5,957	424	576	100,065	8,554	0	1,033	85	27,276	0	4,567	148,537	3,041	3,127	3,127
2020	5,451	398	510	96,381	8,644	0	1,001	101	26,348	0	4,231	143,064	3,484	3,586	3,586
2021	5,278	400	367	95,240	8,093	0	936	137	25,324	0	3,975	139,750	3,858	3,994	3,994
2022	5,128	614	379	96,550	8,271	0	899	276	24,224	0	3,702	140,043	4,048	4,324	4,324
2023	4,364	503	301	98,433	8,217	0	904	326	22,711	0	3,398	139,157	4,414	4,741	4,741
<b>Year 2022</b>															
January	445	51	31	8,683	713	0	77	13	2,137	0	359	12,508	230	243	243
February	409	NM	36	7,440	635	0	83	15	1,944	0	319	10,921	244	259	259
March	459	41	30	7,931	683	0	111	21	2,051	0	347	11,673	348	369	369
April	402	42	28	7,350	630	0	102	24	1,986	0	308	10,871	377	401	401
May	461	40	35	7,792	671	0	84	28	2,043	0	332	11,485	413	441	441
June	450	45	29	7,964	706	0	63	32	2,053	0	319	11,661	413	446	446
July	453	48	28	8,667	741	0	53	31	2,152	0	336	12,510	426	458	458
August	453	38	31	8,759	731	0	61	30	2,091	0	303	12,498	411	441	441
Sept	404	47	29	7,842	680	0	60	26	1,919	0	265	11,272	368	395	395
October	396	43	33	7,903	692	0	51	24	1,828	0	260	11,230	333	357	357
November	372	43	38	8,144	675	0	62	18	1,998	0	287	11,635	256	273	273
December	425	137	31	8,075	714	0	92	13	2,023	0	270	11,779	229	242	242
<b>Year 2023</b>															
January	398	54	NM	8,304	705	0	90	17	2,082	0	292	11,969	246	263	263
February	353	43	NM	7,794	673	0	77	19	1,853	0	284	11,122	261	281	281
March	353	50	35	8,187	700	0	85	26	1,934	0	277	11,647	374	399	399
April	342	42	NM	6,885	546	0	71	30	1,774	0	254	9,966	412	442	442
May	355	37	20	7,611	618	0	80	34	2,002	0	276	11,032	451	485	485
June	375	44	NM	8,312	652	0	63	34	1,839	0	262	11,603	451	485	485
July	394	41	NM	8,665	703	0	73	37	1,860	0	293	12,102	465	502	502
August	375	40	NM	8,817	807	0	74	34	1,937	0	296	12,413	446	480	480
Sept	362	36	NM	8,448	674	0	66	29	1,742	0	278	11,664	401	430	430
October	350	38	18	8,112	667	0	NM	26	1,737	0	307	11,330	364	391	391
November	341	38	17	8,325	721	0	71	19	1,956	0	288	11,776	287	306	306
December	366	39	21	8,973	750	0	79	21	1,994	0	291	12,534	256	276	276
<b>Year 2024</b>															
January	387	56	21	9,153	743	0	90	21	1,952	0	269	12,693	268	289	289
February	352	49	15	8,005	561	0	83	28	1,827	0	245	11,164	299	327	327
March	393	37	17	7,920	523	0	88	37	1,912	0	244	11,171	407	445	445
April	305	42	17	7,920	509	0	78	44	1,885	0	233	11,032	443	487	487
May	353	39	19	7,969	565	0	83	50	1,939	0	262	11,280	480	531	531
June	370	39	22	7,707	573	0	81	54	1,859	0	286	10,991	475	529	529
July	403	39	23	8,457	585	0	68	55	1,904	0	300	11,832	489	543	543
<b>Year to Date</b>															
2022	3,078	307	217	55,827	4,779	0	573	164	14,365	0	2,318	81,629	2,451	2,616	2,616
2023	2,570	311	185	55,758	4,597	0	540	196	13,346	0	1,937	79,441	2,660	2,857	2,857
2024	2,564	301	134	57,131	4,058	0	571	289	13,276	0	1,838	80,162	2,861	3,151	3,151
<b>Rolling 12 Months Ending in July</b>															
2023	4,619	618	NM	96,481	8,090	0	866	308	23,204	0	3,322	137,854	4,257	4,565	4,565
2024	4,358	492	NM	99,807	7,678	0	NM	420	22,641	0	3,298	139,879	4,615	5,035	5,035

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.

Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.

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

Other Gas includes blast furnace gas, hydrogen gas, and other manufactured and waste gases derived from fossil fuels. Prior to 2011, Other Gas included propane and synthesis gases.

See the Technical Notes for fuel conversion factors.

Renewable Sources include wood, black liquor, other wood waste, biogenic municipal solid waste, landfill gas, sludge waste, agriculture byproducts, other biomass, geothermal, solar thermal, photovoltaic energy, and wind.

Other includes non-biogenic municipal solid waste, batteries, purchased steam, sulfur, tire-derived fuel, and other miscellaneous energy sources.

Notes: Beginning with 2001 data, non-biogenic municipal solid waste and tire-derived fuels are reclassified as non-renewable energy sources and included in Other. Biogenic municipal solid waste is included in Other Renewable Sources.

See Glossary for definitions. Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.

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

Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.

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

Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

Estimated small scale solar photovoltaic generation and small scale solar photovoltaic capacity are based on data from Form EIA-861M, Form EIA-861 and from estimation methods described in the technical notes.



**Table 1.2.E. Net Generation by Energy Source: Residential Sector, 2014-July 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		49,734
Year 2022		
January		2,135
February		2,357
March		3,252
April		3,632
May		4,007
June		3,997
July		4,118
August		3,982
Sept		3,569
October		3,306
November		2,693
December		2,462
Year 2023		
January		2,641
February		2,908
March		3,972
April		4,517
May		5,107
June		4,984
July		5,209
August		5,134
Sept		4,458
October		4,203
November		3,469
December		3,133
Year 2024		
January		3,308
February		3,722
March		4,877
April		5,437
May		5,856
June		5,862
July		5,965
Year to Date		
2022		23,498
2023		29,338
2024		35,028
Rolling 12 Months Ending in July		
2023		45,350
2024		55,424

See Glossary for definitions. Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary.

Totals may not equal sum of components because of independent rounding. NM=Not meaningful due to large standard error. W=Withheld to avoid disclosure of individual company data.

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

Sources:

Estimated small scale solar photovoltaic generation and small scale solar photovoltaic capacity are based on data from Form EIA-861M, Form EIA-861 and from estimation methods described in the technical notes.

**Table 1.3.A. Utility Scale Facility Net Generation by State, by Sector, July 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	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
New England	10,459	10,361	0.9%	128	164	9,955	9,815	199	206	177	177
Connecticut	4,425	4,174	6.0%	5	10	4,322	4,072	32	32	66	61
Maine	1,144	1,025	11.6%	0	0	1,058	936	4	4	82	85
Massachusetts	2,347	2,330	0.7%	69	64	2,112	2,093	154	159	12	14
New Hampshire	1,374	1,748	-21.4%	NM	NM	1,369	1,739	3	5	2	2
Rhode Island	1,027	893	15.0%	0	0	1,007	873	6	6	15	15
Vermont	142	191	-26.0%	55	89	87	102	0	0	0	0
Middle Atlantic	44,407	44,386	0.0%	3,838	3,683	39,729	39,818	380	382	461	502
New Jersey	6,768	7,309	-7.4%	38	38	6,566	7,113	106	106	59	53
New York	13,396	13,468	-0.5%	3,793	3,639	9,308	9,536	223	221	72	72
Pennsylvania	24,242	23,609	2.7%	6	6	23,855	23,170	51	55	330	377
East North Central	60,333	57,496	4.9%	24,864	21,780	34,383	34,599	171	181	915	936
Illinois	17,026	17,117	-0.5%	797	757	16,001	16,091	47	56	181	214
Indiana	9,593	8,690	10.4%	6,744	5,778	2,412	2,467	22	22	415	422
Michigan	12,946	11,289	14.7%	9,731	7,576	3,034	3,543	64	60	117	109
Ohio	13,785	13,212	4.3%	1,737	1,676	11,952	11,436	29	31	67	69
Wisconsin	6,984	7,188	-2.8%	5,856	5,992	985	1,062	9	12	135	122
West North Central	33,423	32,084	4.2%	26,806	26,243	6,130	5,389	62	51	425	402
Iowa	5,619	5,732	-2.0%	4,776	4,978	608	538	12	9	223	207
Kansas	5,790	5,365	7.9%	3,792	3,772	1,963	1,551	NM	NM	34	41
Minnesota	6,045	5,693	6.2%	4,626	4,368	1,272	1,203	28	22	119	100
Missouri	7,447	6,947	7.2%	6,846	6,375	579	551	20	17	3	3
Nebraska	3,490	3,437	1.5%	2,825	2,849	633	554	2	2	30	32
North Dakota	3,413	3,511	-2.8%	2,919	2,946	485	552	0	0	NM	NM
South Dakota	1,619	1,400	15.7%	1,021	955	591	439	NM	NM	NM	NM
South Atlantic	86,341	84,729	1.9%	70,973	70,167	13,691	12,929	235	252	1,442	1,381
Delaware	740	856	-13.5%	18	8	616	740	NM	NM	106	107
District of Columbia	21	18	14.2%	NM	NM	5	3	16	16	0	0
Florida	27,819	27,115	2.6%	26,109	25,449	1,279	1,194	103	102	328	369
Georgia	14,427	13,259	8.8%	11,675	10,611	2,325	2,259	NM	NM	428	389
Maryland	3,781	3,674	2.9%	403	567	3,344	3,074	29	29	5	4
North Carolina	14,165	14,101	0.4%	11,889	11,741	2,122	2,205	27	28	127	128
South Carolina	9,843	10,015	-1.7%	9,201	9,470	491	417	0	0	151	127
Virginia	10,492	9,826	6.8%	7,773	7,454	2,465	2,132	61	77	194	163
West Virginia	5,054	5,865	-13.8%	3,907	4,866	1,045	906	0	0	103	93
East South Central	36,518	36,649	-0.4%	31,448	31,843	4,280	4,033	20	19	771	754
Alabama	14,151	13,990	1.1%	10,070	10,150	3,683	3,452	0	0	398	388
Kentucky	7,075	6,860	3.1%	6,909	6,722	127	96	NM	NM	38	42
Mississippi	7,805	7,726	1.0%	7,364	7,272	299	299	0	0	142	155
Tennessee	7,487	8,073	-7.3%	7,105	7,699	171	186	19	19	192	169
West South Central	79,948	82,613	-3.2%	27,461	28,529	46,236	47,555	151	131	6,099	6,398
Arkansas	6,459	6,763	-4.5%	5,741	6,146	625	538	NM	NM	88	74
Louisiana	10,059	10,310	-2.4%	7,045	7,013	691	852	NM	NM	2,319	2,441
Oklahoma	9,493	9,632	-1.4%	5,193	5,237	4,228	4,332	0	-2	72	65
Texas	53,937	55,908	-3.5%	9,483	10,132	40,693	41,833	142	124	3,620	3,819
Mountain	38,104	37,990	0.3%	26,379	27,168	11,386	10,516	60	63	278	245
Arizona	12,608	12,217	3.2%	9,290	9,414	3,300	2,784	15	15	NM	NM
Colorado	5,653	5,605	0.9%	3,800	3,934	1,825	1,649	6	4	22	18
Idaho	1,560	1,466	6.4%	1,019	962	501	450	6	6	34	48
Montana	2,058	2,220	-7.3%	868	780	1,188	1,438	0	0	2	NM
Nevada	5,217	4,861	7.3%	3,115	3,004	2,048	1,771	10	11	44	75
New Mexico	3,640	3,698	-1.6%	2,066	2,153	1,541	1,523	9	10	23	13
Utah	3,568	3,790	-5.9%	2,825	3,161	707	602	13	17	23	11
Wyoming	3,800	4,133	-8.1%	3,397	3,759	277	299	0	0	126	75
Pacific Contiguous	39,390	38,130	3.3%	20,569	19,459	17,365	17,172	216	221	1,240	1,279
California	24,118	23,848	1.1%	8,789	8,567	14,099	14,002	209	213	1,021	1,066
Oregon	5,399	5,104	5.8%	3,322	3,134	2,012	1,914	6	6	59	49
Washington	9,873	9,179	7.6%	8,459	7,758	1,254	1,256	NM	NM	160	163
Pacific Noncontiguous	1,502	1,462	2.7%	1,115	1,073	306	302	55	60	26	27
Alaska	691	648	6.7%	642	597	15	NM	27	NM	7	11
Hawaii	811	814	-0.4%	473	476	291	288	27	34	20	16
U.S. Total	430,424	425,902	1.1%	233,581	230,107	183,462	182,127	1,548	1,566	11,832	12,102

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

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

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

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

Table 1.3.B. Utility Scale Facility Net Generation

by State, by Sector, Year-to-Date through July 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	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
New England	61,185	56,156	9.0%	865	862	57,874	52,811	1,280	1,230	1,167	1,253
Connecticut	25,634	23,028	11.3%	50	49	24,977	22,433	184	167	424	378
Maine	7,464	6,647	12.3%	NM	NM	6,891	5,939	25	30	547	678
Massachusetts	12,028	11,326	6.2%	299	278	10,640	9,987	1,008	969	81	93
New Hampshire	10,167	9,223	10.2%	NM	NM	10,113	9,165	32	36	15	15
Rhode Island	4,635	4,698	-1.3%	0	0	4,506	4,582	28	28	100	88
Vermont	1,257	1,234	1.9%	508	528	748	705	2	1	0	0
Middle Atlantic	256,733	246,423	4.2%	22,502	20,852	228,524	220,240	2,458	2,225	3,250	3,107
New Jersey	36,555	36,712	-0.4%	182	148	35,274	35,576	719	653	380	335
New York	77,148	71,195	8.4%	22,238	20,643	52,992	48,840	1,396	1,245	522	466
Pennsylvania	143,030	138,516	3.3%	81	60	140,258	135,824	342	327	2,348	2,305
East North Central	355,426	333,506	6.6%	124,105	118,232	224,232	208,172	1,057	1,074	6,031	6,028
Illinois	107,376	101,480	5.8%	2,875	2,585	103,045	97,255	263	285	1,192	1,356
Indiana	55,380	52,494	5.5%	33,520	31,698	19,072	17,968	140	147	2,648	2,682
Michigan	71,508	70,030	2.1%	47,133	46,748	23,146	22,118	422	416	806	748
Ohio	81,756	72,905	12.1%	9,436	8,335	71,700	63,993	167	151	453	425
Wisconsin	39,405	36,597	7.7%	31,141	28,866	7,268	6,838	65	75	932	817
West North Central	208,747	204,163	2.2%	148,952	149,379	56,614	51,950	355	346	2,826	2,489
Iowa	40,917	41,444	-1.3%	31,816	33,185	7,688	7,017	82	79	1,331	1,162
Kansas	34,081	33,832	0.7%	17,128	19,144	16,680	14,433	NM	NM	265	246
Minnesota	35,286	33,812	4.4%	24,734	23,666	9,548	9,260	138	140	866	747
Missouri	40,515	38,681	4.7%	36,554	34,607	3,822	3,940	114	107	25	28
Nebraska	22,130	23,001	-3.8%	14,591	15,625	7,323	7,186	11	11	205	179
North Dakota	24,337	23,513	3.5%	18,582	17,886	5,667	5,541	0	0	88	87
South Dakota	11,481	9,879	16.2%	5,548	5,266	5,887	4,572	NM	NM	46	41
South Atlantic	493,105	463,041	6.5%	404,814	378,222	77,023	73,441	1,578	1,644	9,690	9,733
Delaware	2,782	2,927	-5.0%	38	14	2,080	2,167	2	4	661	742
District of Columbia	126	114	10.7%	NM	NM	20	15	105	98	0	0
Florida	154,352	149,005	3.6%	144,600	139,296	6,982	6,615	603	658	2,166	2,436
Georgia	83,496	74,362	12.3%	67,830	59,428	12,756	12,193	2	1	2,909	2,739
Maryland	21,183	20,602	2.8%	1,746	2,723	19,221	17,671	183	178	32	30
North Carolina	80,451	73,330	9.7%	66,358	59,586	13,073	12,682	170	152	849	910
South Carolina	59,529	58,403	1.9%	55,934	55,120	2,551	2,304	2	2	1,042	977
Virginia	59,762	52,855	13.1%	44,567	40,283	13,378	10,795	511	550	1,306	1,227
West Virginia	31,425	31,443	-0.1%	23,739	21,772	6,961	8,999	0	0	725	673
East South Central	214,153	206,151	3.9%	187,232	176,071	21,484	24,906	127	123	5,310	5,051
Alabama	83,047	80,781	2.8%	62,066	56,559	18,268	21,592	0	0	2,713	2,631
Kentucky	39,916	36,399	9.7%	39,170	35,796	421	293	NM	NM	323	308
Mississippi	43,806	42,922	2.1%	41,181	39,892	1,611	1,967	0	0	1,014	1,063
Tennessee	47,385	46,049	2.9%	44,815	43,824	1,185	1,054	125	122	1,260	1,049
West South Central	467,857	450,397	3.9%	143,338	135,330	282,065	272,763	815	646	41,640	41,658
Arkansas	35,297	35,144	0.4%	31,203	31,487	3,444	3,075	31	31	618	551
Louisiana	57,276	54,880	4.4%	36,891	34,671	4,231	3,846	41	29	16,113	16,334
Oklahoma	56,122	52,072	7.8%	26,132	22,307	29,493	29,298	-3	-13	499	479
Texas	319,163	308,301	3.5%	49,111	46,865	244,895	236,544	746	599	24,410	24,294
Mountain	214,446	209,750	2.2%	143,039	144,615	69,145	63,075	386	378	1,876	1,682
Arizona	64,589	61,908	4.3%	49,088	48,377	15,390	13,427	95	87	16	16
Colorado	34,236	32,508	5.3%	21,681	21,888	12,387	10,482	22	18	145	120
Idaho	9,714	9,208	5.5%	5,874	5,722	3,500	3,137	40	40	299	309
Montana	14,041	14,945	-6.1%	5,574	5,807	8,457	9,125	0	0	11	14
Nevada	26,648	24,478	8.9%	15,363	14,403	10,941	9,749	66	65	277	261
New Mexico	24,341	23,457	3.8%	12,586	12,290	11,658	11,082	54	58	42	26
Utah	18,090	19,527	-7.4%	13,922	16,001	3,860	3,304	109	110	200	111
Wyoming	22,787	23,719	-3.9%	18,950	20,126	2,952	2,769	0	0	885	824
Pacific Contiguous	218,792	218,295	0.2%	119,055	119,586	90,103	89,023	1,446	1,442	8,188	8,244
California	123,958	123,095	0.7%	45,228	45,502	70,625	69,483	1,389	1,392	6,716	6,718
Oregon	35,763	35,147	1.8%	22,561	23,029	12,759	11,702	45	43	398	373
Washington	59,071	60,053	-1.6%	51,267	51,055	6,720	7,837	11	7	1,073	1,154
Pacific Noncontiguous	9,176	9,213	-0.4%	6,733	6,746	1,890	1,894	367	378	186	196
Alaska	3,964	3,834	3.4%	3,611	3,472	114	107	183	187	55	68
Hawaii	5,213	5,379	-3.1%	3,122	3,273	1,776	1,787	184	191	131	128
U.S. Total	2,499,621	2,397,096	4.3%	1,300,635	1,249,894	1,108,956	1,058,274	9,868	9,488	80,162	79,441

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

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

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

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

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



**Table 1.4.A. Utility Scale Facility Net Generation from Coal  
by State, by Sector, July 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	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
New England	50	14	256.5%	0	0	50	14	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	2	2	-11.9%	0	0	2	2	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	48	12	297.6%	0	0	48	12	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	1,954	2,103	-7.1%	0	0	1,947	2,094	0	0	7	8
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	1,954	2,103	-7.1%	0	0	1,947	2,094	0	0	7	8
East North Central	15,446	14,679	5.2%	9,703	9,156	5,677	5,427	NM	NM	65	95
Illinois	2,862	2,902	-1.4%	126	133	2,684	2,686	NM	NM	51	80
Indiana	4,596	3,987	15.3%	4,333	3,659	264	328	0	0	0	0
Michigan	2,931	2,011	45.7%	2,913	2,001	16	8	0	0	NM	NM
Ohio	3,184	2,902	9.7%	471	498	2,713	2,404	0	0	0	0
Wisconsin	1,873	2,877	-34.9%	1,861	2,865	0	0	0	0	NM	NM
West North Central	13,647	14,549	-6.2%	13,454	14,370	0	0	1	0	192	180
Iowa	1,908	2,506	-23.9%	1,763	2,377	0	0	0	0	145	129
Kansas	1,901	2,090	-9.0%	1,901	2,090	0	0	0	0	0	0
Minnesota	1,285	1,414	-9.1%	1,276	1,405	0	0	1	0	NM	NM
Missouri	4,475	4,168	7.4%	4,475	4,168	0	0	0	0	0	0
Nebraska	1,655	1,831	-9.6%	1,626	1,800	0	0	0	0	30	32
North Dakota	2,237	2,329	-3.9%	2,228	2,319	0	0	0	0	NM	NM
South Dakota	184	210	-12.4%	184	210	0	0	0	0	0	0
South Atlantic	12,746	14,267	-10.7%	11,611	13,361	1,101	891	2	0	32	16
Delaware	26	6	307.3%	0	0	26	6	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	1,120	1,393	-19.6%	1,118	1,390	0	0	0	0	2	NM
Georgia	2,189	2,433	-10.1%	2,171	2,427	0	0	0	0	17	6
Maryland	385	391	-1.4%	0	0	385	391	0	0	0	0
North Carolina	2,149	2,681	-19.8%	2,145	2,678	0	0	2	0	2	2
South Carolina	2,151	1,980	8.7%	2,151	1,977	0	0	0	0	0	2
Virginia	259	170	52.5%	248	167	0	0	0	0	10	3
West Virginia	4,467	5,214	-14.3%	3,777	4,721	690	493	0	0	0	0
East South Central	9,051	9,962	-9.1%	8,866	9,671	143	252	0	0	42	38
Alabama	1,909	2,427	-21.3%	1,909	2,427	0	0	0	0	0	0
Kentucky	4,561	4,662	-2.2%	4,561	4,662	0	0	0	0	0	0
Mississippi	316	482	-34.5%	173	229	143	252	0	0	0	0
Tennessee	2,266	2,392	-5.3%	2,223	2,354	0	0	0	0	42	38
West South Central	9,512	11,798	-19.4%	4,665	6,380	4,837	5,415	0	0	10	3
Arkansas	1,765	2,214	-20.3%	1,472	1,852	291	359	0	0	1	3
Louisiana	298	705	-57.7%	238	535	60	170	0	0	0	0
Oklahoma	606	869	-30.3%	597	869	0	0	0	0	8	0
Texas	6,843	8,010	-14.6%	2,357	3,123	4,486	4,887	0	0	0	0
Mountain	8,836	11,313	-21.9%	7,860	9,918	946	1,363	0	0	30	32
Arizona	1,099	1,548	-29.0%	1,099	1,548	0	0	0	0	0	0
Colorado	1,679	1,950	-13.9%	1,679	1,950	0	0	0	0	0	0
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	788	1,130	-30.2%	0	0	788	1,129	0	0	NM	NM
Nevada	266	296	-10.0%	145	153	121	143	0	0	0	0
New Mexico	952	964	-1.2%	952	964	0	0	0	0	0	0
Utah	1,670	2,051	-18.6%	1,634	2,017	36	34	0	0	0	0
Wyoming	2,381	3,376	-29.5%	2,351	3,287	1	57	0	0	29	31
Pacific Contiguous	375	363	3.2%	0	0	350	341	0	0	25	22
California	23	21	11.6%	0	0	0	0	0	0	23	21
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	352	343	2.7%	0	0	350	341	0	0	2	2
Pacific Noncontiguous	70	73	-3.5%	50	51	NM	NM	10	NM	0	0
Alaska	70	73	-3.5%	50	51	NM	NM	10	NM	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	71,686	79,121	-9.4%	56,209	62,906	15,060	15,809	13	12	403	394

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

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

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

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

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



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

by State, by Sector, Year-to-Date through July 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	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
New England	100	138	-27.3%	0	0	100	138	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	17	25	-33.8%	0	0	17	25	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	83	112	-25.9%	0	0	83	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	8,638	7,937	8.8%	0	0	8,592	7,881	0	0	47	56
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	8,638	7,937	8.8%	0	0	8,592	7,881	0	0	47	56
East North Central	81,909	78,628	4.2%	49,410	47,336	32,028	30,601	16	30	454	660
Illinois	15,829	15,407	2.7%	642	732	14,818	14,092	6	10	362	573
Indiana	23,743	22,882	3.8%	21,687	20,610	2,047	2,252	9	20	0	0
Michigan	13,269	12,605	5.3%	13,162	12,458	93	137	0	0	NM	NM
Ohio	17,756	16,639	6.7%	2,686	2,519	15,071	14,120	0	0	0	0
Wisconsin	11,312	11,096	1.9%	11,233	11,018	0	0	0	0	79	77
West North Central	67,060	72,390	-7.4%	65,876	71,332	0	0	11	9	1,173	1,049
Iowa	7,147	9,727	-26.5%	6,304	8,991	0	0	1	6	841	730
Kansas	7,154	9,191	-22.2%	7,154	9,191	0	0	0	0	0	0
Minnesota	6,816	7,028	-3.0%	6,744	6,953	0	0	4	1	67	73
Missouri	23,142	22,916	1.0%	23,136	22,914	0	0	6	2	0	0
Nebraska	8,471	9,844	-13.9%	8,272	9,665	0	0	0	0	199	179
North Dakota	13,382	12,866	4.0%	13,317	12,799	0	0	0	0	65	67
South Dakota	949	819	15.8%	949	819	0	0	0	0	0	0
South Atlantic	66,938	60,354	10.9%	61,094	53,072	5,641	7,074	12	2	191	207
Delaware	65	-7	-971.7%	0	0	65	-7	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	4,836	6,703	-27.9%	4,824	6,681	0	0	0	0	11	22
Georgia	10,887	8,828	23.3%	10,793	8,764	0	0	0	0	95	64
Maryland	1,618	755	114.3%	0	0	1,618	755	0	0	0	0
North Carolina	11,476	7,084	62.0%	11,445	7,028	0	0	12	2	19	54
South Carolina	9,886	8,792	12.4%	9,879	8,717	0	62	0	0	7	13
Virginia	1,191	990	20.2%	1,132	936	0	0	0	0	59	54
West Virginia	26,980	27,209	-0.8%	23,022	20,945	3,959	6,264	0	0	0	0
East South Central	51,386	48,322	6.3%	50,209	46,401	881	1,705	0	0	296	216
Alabama	12,229	11,567	5.7%	12,229	11,567	0	0	0	0	0	0
Kentucky	27,183	25,002	8.7%	27,183	25,002	0	0	0	0	0	0
Mississippi	1,718	2,336	-26.5%	837	632	881	1,705	0	0	0	0
Tennessee	10,255	9,417	8.9%	9,959	9,200	0	0	0	0	296	216
West South Central	49,898	53,571	-6.9%	25,866	25,883	23,994	27,659	0	0	38	29
Arkansas	9,391	9,201	2.1%	7,701	7,081	1,672	2,099	0	0	18	20
Louisiana	2,573	2,110	22.0%	1,913	1,842	660	268	0	0	0	0
Oklahoma	3,142	2,855	10.1%	3,122	2,847	0	0	0	0	20	8
Texas	34,791	39,405	-11.7%	13,130	14,114	21,661	25,292	0	0	0	0
Mountain	47,028	54,459	-13.6%	40,882	46,677	5,937	7,575	0	0	208	208
Arizona	5,593	6,229	-10.2%	5,593	6,229	0	0	0	0	0	0
Colorado	9,178	10,255	-10.5%	9,178	10,255	0	0	0	0	0	0
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	4,818	6,466	-25.5%	0	0	4,816	6,464	0	0	NM	NM
Nevada	1,295	1,035	25.1%	661	507	634	528	0	0	0	0
New Mexico	5,476	4,880	12.2%	5,476	4,880	0	0	0	0	0	0
Utah	7,178	9,084	-21.0%	6,954	8,870	224	214	0	0	0	0
Wyoming	13,486	16,507	-18.3%	13,020	15,936	264	369	0	0	203	202
Pacific Contiguous	1,317	2,386	-44.8%	0	0	1,160	2,242	0	0	156	144
California	142	130	9.6%	0	0	0	0	0	0	142	130
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	1,175	2,257	-47.9%	0	0	1,160	2,242	0	0	14	14
Pacific Noncontiguous	440	432	1.9%	296	283	73	75	70	73	0	0
Alaska	440	432	1.9%	296	283	73	75	70	73	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	374,713	378,617	-1.0%	293,635	290,982	78,406	84,950	108	116	2,564	2,570

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

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

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

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

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

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

**Table 1.5.A. Utility Scale Facility Net Generation from Petroleum Liquids by State, by Sector, July 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	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
New England	39	33	16.4%	12	2	25	29	NM	NM	1	1
Connecticut	11	12	-5.7%	0	1	NM	11	NM	NM	NM	1
Maine	2	5	-54.5%	0	0	2	5	0	0	1	NM
Massachusetts	22	12	84.5%	11	NM	10	10	NM	NM	0	0
New Hampshire	1	3	-49.0%	0	0	NM	2	0	1	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	NM	NM	0	0
Vermont	1	NM	NM	1	NM	0	0	0	0	0	0
Middle Atlantic	47	45	3.0%	11	9	34	34	NM	2	1	0
New Jersey	NM	NM	NM	0	0	NM	NM	NM	NM	0	0
New York	33	38	-13.9%	11	9	21	28	NM	NM	1	0
Pennsylvania	13	7	96.3%	0	NM	12	6	0	1	1	NM
East North Central	36	32	11.9%	NM	21	16	10	0	0	1	1
Illinois	2	2	45.8%	1	1	2	1	NM	NM	0	0
Indiana	8	8	4.0%	8	8	0	0	0	0	0	0
Michigan	NM	9	NM	NM	8	0	0	NM	NM	0	1
Ohio	15	11	41.2%	1	1	14	10	NM	0	0	0
Wisconsin	NM	NM	NM	NM	NM	0	0	NM	NM	NM	NM
West North Central	NM	28	NM	NM	27	NM	NM	0	0	0	0
Iowa	NM	7	NM	NM	7	NM	NM	0	NM	0	NM
Kansas	4	4	17.4%	4	4	0	0	0	0	0	0
Minnesota	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Missouri	6	7	-5.9%	6	7	0	0	0	0	0	0
Nebraska	NM	NM	NM	NM	NM	0	0	0	0	0	0
North Dakota	NM	3	NM	NM	3	0	0	0	0	0	0
South Dakota	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
South Atlantic	124	99	24.5%	53	60	55	25	NM	1	14	13
Delaware	NM	NM	NM	0	0	NM	NM	0	0	0	0
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	9	24	-64.3%	8	19	NM	5	0	0	1	NM
Georgia	15	13	10.9%	3	NM	NM	NM	0	NM	11	10
Maryland	42	9	348.5%	0	NM	42	9	0	0	0	0
North Carolina	9	11	-20.6%	8	11	NM	NM	NM	NM	NM	NM
South Carolina	8	9	-15.5%	6	9	NM	NM	0	0	1	0
Virginia	22	20	10.1%	11	11	10	8	0	1	1	1
West Virginia	16	9	89.6%	16	9	0	0	0	0	0	0
East South Central	14	13	3.1%	13	13	NM	NM	0	0	NM	NM
Alabama	NM	NM	NM	0	NM	NM	NM	0	0	0	NM
Kentucky	5	4	22.2%	5	4	0	0	0	0	0	0
Mississippi	1	1	-4.1%	0	1	0	0	0	0	0	0
Tennessee	8	8	-7.8%	8	8	0	0	0	0	0	0
West South Central	20	21	-1.9%	10	8	10	12	NM	NM	0	1
Arkansas	3	3	-11.2%	3	3	0	1	0	0	NM	NM
Louisiana	NM	NM	NM	NM	NM	0	0	0	0	0	0
Oklahoma	4	3	45.2%	4	3	0	0	0	0	0	0
Texas	13	14	-7.8%	3	2	9	11	NM	NM	0	0
Mountain	NM	11	NM	NM	11	1	0	NM	NM	0	0
Arizona	3	2	22.0%	3	2	0	0	NM	NM	0	0
Colorado	NM	NM	NM	NM	NM	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	NM	NM	NM	NM	NM	1	0	0	0	0	0
Nevada	1	1	-63.0%	0	1	0	0	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	5	3	58.8%	5	3	0	0	0	0	0	0
Wyoming	4	3	46.2%	4	3	0	0	0	0	0	0
Pacific Contiguous	NM	14	NM	NM	3	2	1	0	0	NM	9
California	NM	11	NM	NM	3	1	0	0	0	NM	8
Oregon	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Washington	NM	2	NM	NM	NM	1	1	0	0	NM	1
Pacific Noncontiguous	668	670	-0.3%	524	530	124	124	0	0	20	16
Alaska	67	67	0.1%	62	62	0	0	NM	NM	5	5
Hawaii	601	603	-0.4%	462	467	124	124	0	0	15	11
U.S. Total	1,001	967	3.5%	691	683	267	237	4	6	39	41

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

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

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

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

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

by State, by Sector, Year-to-Date through July 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	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
New England	208	313	-33.6%	26	22	157	268	15	15	10	9
Connecticut	83	120	-30.3%	2	3	79	113	0	1	1	3
Maine	30	48	-37.4%	0	0	22	41	0	0	8	6
Massachusetts	73	69	6.4%	22	18	43	46	7	4	1	0
New Hampshire	11	51	-79.0%	0	0	4	43	7	8	0	0
Rhode Island	10	26	-62.2%	0	0	8	24	NM	NM	0	0
Vermont	NM	NM	NM	NM	NM	0	0	0	0	0	0
Middle Atlantic	292	360	-19.0%	98	106	179	233	7	10	8	11
New Jersey	13	41	-67.5%	0	0	13	40	NM	1	0	0
New York	210	272	-22.8%	97	106	104	151	5	NM	4	9
Pennsylvania	68	47	44.7%	0	0	62	42	2	3	5	2
East North Central	258	239	7.9%	144	140	106	91	1	1	8	8
Illinois	14	14	3.6%	3	4	10	10	NM	NM	0	0
Indiana	53	58	-7.6%	52	52	0	5	1	0	0	1
Michigan	59	59	0.0%	57	55	0	0	NM	NM	1	3
Ohio	106	86	22.9%	8	8	95	75	0	0	2	3
Wisconsin	NM	23	NM	NM	21	0	1	0	NM	4	1
West North Central	246	213	15.7%	241	209	NM	NM	2	1	2	1
Iowa	36	33	7.5%	34	32	1	1	0	NM	0	NM
Kansas	62	31	101.3%	62	31	0	0	0	0	0	0
Minnesota	NM	28	NM	NM	25	NM	NM	1	1	1	1
Missouri	56	55	1.4%	56	55	0	0	0	0	0	0
Nebraska	NM	22	NM	NM	22	0	0	0	0	0	0
North Dakota	31	34	-9.9%	31	34	0	0	0	0	0	0
South Dakota	NM	10	NM	NM	10	0	0	NM	NM	0	0
South Atlantic	1,288	564	128.4%	949	369	208	69	11	8	119	117
Delaware	14	7	96.0%	0	0	14	7	0	0	0	0
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	581	125	364.6%	572	111	4	6	0	0	5	8
Georgia	143	113	26.3%	34	22	NM	NM	0	0	101	90
Maryland	129	27	378.9%	-1	-1	130	28	NM	0	NM	NM
North Carolina	128	47	176.0%	105	33	18	2	NM	NM	4	12
South Carolina	69	63	8.7%	64	57	1	3	0	0	4	4
Virginia	149	83	79.2%	101	50	34	24	9	7	4	3
West Virginia	74	98	-24.9%	74	98	0	0	0	0	0	0
East South Central	98	107	-8.4%	95	104	NM	NM	0	0	3	3
Alabama	5	5	6.8%	4	3	NM	NM	0	0	NM	NM
Kentucky	37	37	0.8%	37	37	0	0	0	0	0	0
Mississippi	5	4	29.3%	3	3	0	0	0	0	2	1
Tennessee	51	62	-17.6%	51	61	0	0	0	0	0	0
West South Central	195	149	30.4%	92	62	97	83	0	0	4	3
Arkansas	23	25	-7.0%	19	20	4	4	0	0	NM	NM
Louisiana	NM	4	NM	NM	4	0	0	0	0	0	0
Oklahoma	17	12	38.5%	14	11	0	0	0	0	2	1
Texas	148	108	36.9%	52	27	93	79	0	0	2	1
Mountain	114	97	18.0%	101	88	13	8	NM	NM	0	0
Arizona	15	16	-6.5%	15	16	0	0	NM	NM	0	0
Colorado	31	18	67.8%	28	18	3	0	0	0	0	0
Idaho	0	0	333.3%	0	0	0	0	0	0	0	0
Montana	16	6	155.2%	NM	NM	9	6	0	0	0	0
Nevada	4	4	-3.0%	3	3	1	1	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	18	19	-4.2%	17	17	0	2	0	0	0	0
Wyoming	27	30	-11.0%	27	30	0	0	0	0	0	0
Pacific Contiguous	63	76	-16.1%	30	28	11	6	4	3	19	39
California	38	52	-28.2%	20	20	5	2	3	3	9	28
Oregon	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Washington	25	23	11.4%	10	8	6	4	0	0	10	11
Pacific Noncontiguous	4,523	4,651	-2.7%	3,599	3,708	794	820	3	4	127	119
Alaska	568	523	8.7%	537	494	0	0	1	1	30	28
Hawaii	3,955	4,128	-4.2%	3,062	3,215	794	820	2	3	97	91
U.S. Total	7,286	6,770	7.6%	5,375	4,836	1,566	1,580	44	42	301	311

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

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

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

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

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

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

**Table 1.6.A. Utility Scale Facility Net Generation from Petroleum Coke by State, by Sector, July 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	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 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	234	300	-22.1%	153	140	NM	NM	0	0	14	17
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	167	146	14.5%	153	129	0	0	0	0	14	17
Ohio	NM	NM	NM	0	0	NM	NM	0	0	0	0
Wisconsin	0	11	-100.0%	0	11	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	135	162	-16.9%	132	149	0	0	0	0	NM	NM
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	132	149	-12.0%	132	149	0	0	0	0	0	0
Georgia	NM	NM	NM	0	0	0	0	0	0	NM	NM
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	NM	200	NM	0	195	0	0	0	0	NM	5
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	195	-100.0%	0	195	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	NM	5	NM	0	0	0	0	0	0	NM	5
Mountain	36	40	-10.3%	0	0	36	40	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	36	40	-10.3%	0	0	36	40	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	410	702	-41.7%	285	484	102	183	0	0	23	NM

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

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

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

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

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



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

by State, by Sector, Year-to-Date through July 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	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 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	1,179	1,161	1.6%	703	569	399	499	0	0	77	93
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	777	635	22.3%	700	543	0	0	0	0	76	93
Ohio	400	499	-19.9%	0	0	399	499	0	0	1	0
Wisconsin	3	27	-88.4%	3	27	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	433	733	-40.9%	417	680	0	0	0	0	NM	NM
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	417	680	-38.6%	417	680	0	0	0	0	0	0
Georgia	NM	NM	NM	0	0	0	0	0	0	NM	NM
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	-2.2%	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	-2.2%	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	91	563	-83.8%	51	523	0	0	0	0	40	40
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	51	523	-90.2%	51	523	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	40	40	0.5%	0	0	0	0	0	0	40	40
Mountain	245	278	-11.8%	0	0	245	278	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	245	278	-11.8%	0	0	245	278	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	1,952	2,735	-28.6%	1,172	1,772	644	776	3	1	134	185

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

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

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

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

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

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

**Table 1.7.A. Utility Scale Facility Net Generation from Natural Gas by State, by Sector, July 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	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
New England	6,338	6,310	0.4%	NM	NM	6,084	6,061	114	112	103	100
Connecticut	2,714	2,559	6.0%	3	4	2,615	2,465	31	31	65	60
Maine	511	418	22.3%	0	0	499	405	3	3	10	10
Massachusetts	1,931	1,879	2.7%	NM	NM	1,811	1,761	73	72	12	13
New Hampshire	256	642	-60.1%	0	0	253	638	1	1	2	2
Rhode Island	926	812	14.1%	0	0	906	792	6	NM	15	15
Vermont	0	0	-46.8%	0	0	0	0	0	0	0	0
Middle Atlantic	27,007	26,707	1.1%	1,815	1,680	24,701	24,497	130	134	361	397
New Jersey	3,942	4,474	-11.9%	NM	NM	3,850	4,381	27	27	40	40
New York	7,778	7,933	-2.0%	1,786	1,653	5,846	6,135	92	90	55	55
Pennsylvania	15,287	14,301	6.9%	4	1	15,006	13,981	12	17	266	302
East North Central	26,427	25,217	4.8%	11,530	9,313	14,250	15,285	154	162	492	458
Illinois	4,149	4,430	-6.3%	660	608	3,350	3,682	46	54	95	87
Indiana	4,005	3,769	6.3%	2,144	1,894	1,612	1,636	21	21	227	218
Michigan	6,574	5,921	11.0%	4,067	2,879	2,400	2,943	56	51	52	47
Ohio	8,183	8,158	0.3%	1,240	1,149	6,888	6,952	27	30	27	27
Wisconsin	3,515	2,939	19.6%	3,420	2,783	0	72	4	6	91	79
West North Central	7,547	6,300	19.8%	6,439	5,323	920	792	34	31	155	154
Iowa	1,524	1,365	11.7%	1,441	1,286	NM	NM	11	8	71	71
Kansas	820	657	24.9%	788	617	0	0	0	0	33	40
Minnesota	2,340	1,878	24.6%	1,724	1,396	564	436	9	10	43	36
Missouri	1,609	1,446	11.3%	1,238	1,074	355	356	14	13	3	3
Nebraska	531	381	39.2%	530	381	0	0	1	0	0	0
North Dakota	282	233	21.2%	282	232	0	0	0	0	0	0
South Dakota	441	340	29.7%	436	336	0	0	0	0	NM	NM
South Atlantic	46,442	44,414	4.6%	38,345	36,882	7,555	7,001	66	64	476	468
Delaware	662	801	-17.4%	17	7	565	709	0	0	80	85
District of Columbia	12	11	8.5%	0	0	0	0	12	11	0	0
Florida	21,619	20,972	3.1%	20,447	19,867	1,018	941	NM	NM	142	151
Georgia	6,516	6,196	5.2%	5,082	4,757	1,356	1,368	0	0	79	72
Maryland	1,939	1,681	15.3%	402	566	1,506	1,085	26	26	5	4
North Carolina	6,483	5,708	13.6%	5,574	4,797	876	879	NM	NM	NM	19
South Carolina	2,240	2,492	-10.1%	2,081	2,403	148	78	0	0	12	11
Virginia	6,641	6,155	7.9%	4,689	4,408	1,871	1,670	3	0	79	77
West Virginia	329	397	-17.2%	54	77	215	272	0	0	60	49
East South Central	17,549	15,555	12.8%	13,571	11,848	3,658	3,404	19	18	300	284
Alabama	7,373	6,375	15.7%	3,681	2,927	3,558	3,320	0	0	133	128
Kentucky	2,121	1,706	24.3%	2,012	1,605	100	84	0	0	9	17
Mississippi	6,193	6,053	2.3%	6,147	6,005	1	0	0	0	46	48
Tennessee	1,861	1,422	30.9%	1,731	1,312	0	0	19	18	112	91
West South Central	46,392	46,398	0.0%	19,031	18,199	21,681	22,295	145	129	5,536	5,774
Arkansas	2,857	2,777	2.9%	2,715	2,632	120	125	NM	NM	19	16
Louisiana	7,746	7,383	4.9%	5,284	4,705	431	567	NM	NM	2,026	2,106
Oklahoma	5,713	5,705	0.1%	3,966	3,977	1,708	1,684	0	0	38	44
Texas	30,077	30,533	-1.5%	7,066	6,885	19,422	19,919	138	123	3,452	3,607
Mountain	15,746	14,221	10.7%	12,418	11,044	3,110	2,984	42	45	176	148
Arizona	6,652	6,078	9.5%	4,685	4,201	1,955	1,865	13	13	0	0
Colorado	2,065	1,912	8.0%	1,706	1,577	343	320	2	1	15	14
Idaho	613	579	5.9%	410	377	184	188	3	3	16	11
Montana	134	89	50.1%	110	79	25	10	0	0	0	NM
Nevada	3,020	2,957	2.1%	2,781	2,685	190	192	6	6	43	74
New Mexico	1,317	1,315	0.2%	880	893	405	400	9	9	23	13
Utah	1,149	1,103	4.1%	1,112	1,070	NM	10	10	13	18	11
Wyoming	796	189	321.3%	735	163	0	0	0	0	61	26
Pacific Contiguous	15,172	15,050	0.8%	6,114	5,798	8,072	8,251	130	124	856	876
California	11,007	11,101	-0.8%	3,671	3,396	6,436	6,786	126	120	775	800
Oregon	2,328	2,107	10.5%	1,244	1,215	1,070	881	4	4	10	7
Washington	1,837	1,842	-0.3%	1,200	1,188	566	585	0	0	71	70
Pacific Noncontiguous	413	381	8.6%	411	375	0	0	0	0	2	6
Alaska	413	381	8.6%	411	375	0	0	0	0	2	6
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	209,033	200,554	4.2%	109,711	100,499	90,031	90,570	834	820	8,457	8,665

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

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

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

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

by State, by Sector, Year-to-Date through July 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	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
New England	31,953	31,267	2.2%	88	78	30,496	29,858	695	615	675	716
Connecticut	14,111	14,160	-0.3%	21	24	13,492	13,602	180	162	419	372
Maine	2,397	1,843	30.1%	0	0	2,313	1,671	18	18	66	154
Massachusetts	9,235	8,595	7.4%	NM	NM	8,627	8,049	465	405	76	86
New Hampshire	2,235	2,520	-11.3%	0	0	2,213	2,497	7	7	15	15
Rhode Island	3,975	4,150	-4.2%	0	0	3,850	4,039	24	23	100	88
Vermont	1	1	-7.7%	0	0	0	0	0	1	0	0
Middle Atlantic	141,124	133,916	5.4%	8,099	7,078	129,665	123,728	795	711	2,565	2,399
New Jersey	18,348	18,075	1.5%	103	79	17,832	17,603	161	137	252	256
New York	37,321	33,457	11.5%	7,980	6,991	28,404	25,651	554	479	383	336
Pennsylvania	85,455	82,384	3.7%	16	8	83,429	80,474	81	95	1,930	1,807
East North Central	139,224	127,772	9.0%	51,503	46,606	83,581	77,427	926	923	3,214	2,816
Illinois	16,456	14,999	9.7%	2,145	1,747	13,478	12,499	254	272	580	481
Indiana	22,355	20,894	7.0%	10,399	10,180	10,386	9,289	121	118	1,449	1,306
Michigan	34,456	31,565	9.2%	15,840	13,630	17,879	17,230	364	359	373	346
Ohio	48,527	43,990	10.3%	6,522	5,613	41,655	38,067	158	141	191	170
Wisconsin	17,429	16,325	6.8%	16,597	15,436	183	342	29	32	621	514
West North Central	29,333	25,164	16.6%	24,477	20,477	3,578	3,534	211	209	1,067	943
Iowa	5,960	6,095	-2.2%	5,441	5,636	NM	NM	72	64	446	394
Kansas	3,537	2,677	32.1%	3,282	2,439	0	0	0	0	254	238
Minnesota	9,688	7,824	23.8%	6,950	5,416	2,384	2,091	54	62	300	255
Missouri	5,731	4,866	17.8%	4,434	3,315	1,194	1,442	80	82	23	26
Nebraska	1,632	1,277	27.7%	1,621	1,277	0	0	4	1	7	0
North Dakota	1,242	1,106	12.3%	1,235	1,101	0	0	0	0	7	5
South Dakota	1,544	1,319	17.1%	1,513	1,293	0	0	0	0	31	26
South Atlantic	244,443	235,103	4.0%	203,581	196,831	37,356	34,771	409	386	3,098	3,115
Delaware	2,419	2,681	-9.8%	35	10	1,878	2,039	0	0	506	631
District of Columbia	71	63	11.9%	0	0	0	0	71	63	0	0
Florida	116,294	111,679	4.1%	110,074	105,838	5,303	4,857	79	73	839	911
Georgia	34,825	36,204	-3.8%	27,524	28,708	6,703	7,012	0	0	598	484
Maryland	8,282	8,832	-6.2%	1,742	2,719	6,337	5,921	171	162	32	30
North Carolina	32,006	30,769	4.0%	26,684	25,387	5,125	5,182	79	73	117	127
South Carolina	12,670	14,035	-9.7%	12,128	13,664	462	284	0	0	80	86
Virginia	35,852	28,974	23.7%	25,219	20,197	10,078	8,262	10	14	545	501
West Virginia	2,024	1,865	8.6%	175	308	1,468	1,213	0	0	382	344
East South Central	89,933	84,160	6.9%	69,915	61,062	17,851	21,101	122	119	2,045	1,877
Alabama	36,553	34,618	5.6%	18,142	12,899	17,531	20,884	0	0	880	834
Kentucky	9,500	8,280	14.7%	9,057	7,943	318	213	0	0	125	124
Mississippi	34,604	32,335	7.0%	34,286	32,015	2	4	0	0	316	316
Tennessee	9,276	8,928	3.9%	8,429	8,205	0	0	122	119	724	604
West South Central	245,274	235,097	4.3%	94,008	87,744	112,846	109,300	739	616	37,681	37,437
Arkansas	13,087	14,663	-10.7%	12,211	13,872	737	662	NM	NM	119	109
Louisiana	44,014	41,702	5.5%	27,416	24,824	2,479	2,828	41	29	14,079	14,021
Oklahoma	27,714	25,579	8.3%	19,158	17,035	8,264	8,239	0	-1	293	306
Texas	160,458	153,152	4.8%	35,223	32,013	101,368	97,571	677	567	23,190	23,001
Mountain	74,535	70,637	5.5%	59,459	55,778	13,715	13,685	282	275	1,078	898
Arizona	28,916	27,929	3.5%	20,590	19,704	8,247	8,153	79	72	0	0
Colorado	10,819	9,856	9.8%	9,142	8,308	1,570	1,454	3	1	103	93
Idaho	3,058	2,652	15.3%	1,883	1,573	1,045	985	23	23	106	71
Montana	575	577	-0.4%	465	502	110	75	0	0	NM	NM
Nevada	14,450	13,957	3.5%	13,530	12,942	612	723	37	38	271	254
New Mexico	7,239	7,678	-5.7%	5,066	5,358	2,078	2,237	53	57	42	26
Utah	6,720	6,804	-1.2%	6,450	6,592	52	58	86	84	133	69
Wyoming	2,757	1,184	132.9%	2,332	799	1	0	0	0	424	384
Pacific Contiguous	68,213	69,221	-1.5%	27,664	27,173	34,012	35,681	853	850	5,683	5,517
California	45,663	47,594	-4.1%	14,416	14,083	25,346	27,698	820	823	5,080	4,990
Oregon	13,104	12,190	7.5%	6,758	6,821	6,251	5,282	28	26	67	61
Washington	9,446	9,437	0.1%	6,491	6,269	2,415	2,702	5	0	536	466
Pacific Noncontiguous	2,024	1,928	5.0%	1,999	1,889	0	0	0	0	25	39
Alaska	2,024	1,928	5.0%	1,999	1,889	0	0	0	0	25	39
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,066,056	1,014,265	5.1%	540,792	504,717	463,100	449,085	5,032	4,705	57,131	55,758

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

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

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

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

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

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



**Table 1.7.C. Utility Scale Facility Net Generation from Natural Gas by Technology: Total (All Sectors), 2014-July 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	145,023	109,059	8,808	2,250	1,687,067
2023	1,509,718	162,058	119,745	10,448	94	1,802,062
Year 2022						
January	116,628	10,595	6,918	652	155	134,948
February	100,075	8,174	6,006	553	137	114,945
March	98,525	7,814	5,440	558	139	112,477
April	90,511	8,805	5,507	541	142	105,506
May	105,644	11,956	8,742	610	142	127,094
June	126,835	15,732	12,016	756	179	155,517
July	151,829	19,422	16,583	958	250	189,042
August	155,761	17,838	13,937	1,045	280	188,860
Sept	133,059	12,892	9,909	869	219	156,948
October	114,000	9,862	8,687	743	200	133,492
November	108,068	10,459	8,079	723	194	127,523
December	120,993	11,473	7,234	801	215	140,716
Year 2023						
January	121,763	8,980	6,262	717	4	137,725
February	109,921	7,776	5,602	626	4	123,928
March	114,448	9,995	6,967	793	5	132,207
April	99,883	11,524	8,167	713	6	120,294
May	113,994	13,366	9,618	742	8	137,728
June	132,751	16,075	12,057	934	11	161,827
July	158,974	22,737	17,552	1,279	13	200,554
August	159,367	22,139	17,149	1,322	18	199,995
Sept	137,758	14,441	12,256	942	9	165,406
October	115,904	13,962	10,219	872	7	140,963
November	114,879	11,496	8,100	780	5	135,260
December	130,079	9,568	5,795	729	3	146,174
Year 2024						
January	137,484	13,504	8,535	921	6	160,450
February	114,698	9,305	6,266	717	3	130,990
March	110,578	10,831	8,221	786	6	130,423
April	98,716	13,657	9,319	741	8	122,441
May	116,458	14,608	11,981	861	9	143,917
June	135,822	16,440	15,555	976	10	168,803
July	162,515	25,641	19,491	1,373	13	209,033

Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary.

The 'Natural Gas Other' category consists of power plants with prime movers of Fuel Cells and Other Prime Movers that consume natural gas.

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

Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report; and predecessor forms.

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

**Table 1.8.A. Utility Scale Facility Net Generation from Other Gases by State, by Sector, July 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	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 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	36	54	-32.2%	0	0	0	7	0	0	36	47
New Jersey	11	19	-41.8%	0	0	0	7	0	0	11	12
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	25	34	-26.9%	0	0	0	0	0	0	25	34
East North Central	306	363	-15.8%	0	0	130	166	0	0	176	197
Illinois	12	23	-47.5%	0	0	0	0	0	0	12	23
Indiana	143	155	-7.9%	0	0	0	0	0	0	143	155
Michigan	94	122	-23.2%	0	0	94	122	0	0	0	0
Ohio	57	63	-9.6%	0	0	36	44	0	0	21	19
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	0	2	-100.0%	0	0	0	0	0	0	0	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	0	2	-100.0%	0	0	0	0	0	0	0	2
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	28	22	31.0%	0	0	0	0	0	0	28	22
Delaware	24	21	13.8%	0	0	0	0	0	0	24	21
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	367.1%	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	1	578.5%	0	0	0	0	0	0	4	1
East South Central	1	1	-18.3%	0	0	0	0	0	0	1	1
Alabama	0	NM	NM	0	0	0	0	0	0	0	NM
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	1	1	-16.8%	0	0	0	0	0	0	1	1
West South Central	300	391	-23.2%	0	0	116	117	0	0	185	274
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	100	165	-39.1%	0	0	0	0	0	0	100	165
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	200	227	-11.6%	0	0	116	117	0	0	85	109
Mountain	29	11	159.0%	0	0	1	1	0	0	29	10
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	1	1	-44.5%	0	0	1	1	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	126.5%	0	0	0	0	0	0	0	0
Wyoming	29	10	177.5%	0	0	0	0	0	0	29	10
Pacific Contiguous	129	151	-14.1%	0	0	0	0	0	0	129	151
California	108	130	-17.6%	0	0	0	0	0	0	108	130
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	22	20	8.4%	0	0	0	0	0	0	22	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	831	995	-16.5%	0	0	246	292	0	0	585	703

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

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

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

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

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

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

by State, by Sector, Year-to-Date through July 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	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 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	254	305	-16.8%	0	0	13	14	0	0	240	291
New Jersey	96	90	6.7%	0	0	13	14	0	0	83	77
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	157	214	-26.7%	0	0	0	0	0	0	157	214
East North Central	2,035	2,342	-13.1%	0	0	882	1,041	0	0	1,153	1,301
Illinois	98	138	-29.1%	0	0	0	0	0	0	98	138
Indiana	930	1,076	-13.6%	0	0	0	0	0	0	930	1,076
Michigan	646	777	-16.8%	0	0	646	777	0	0	0	0
Ohio	360	350	2.7%	0	0	236	264	0	0	124	86
Wisconsin	0	0	--	0	0	0	0	0	0	0	0
West North Central	16	15	5.0%	0	0	0	0	0	0	16	15
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	16	15	5.0%	0	0	0	0	0	0	16	15
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	163	123	32.1%	0	0	0	0	0	0	163	123
Delaware	142	99	43.2%	0	0	0	0	0	0	142	99
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	0	0	-9.1%	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	21	24	-13.4%	0	0	0	0	0	0	21	24
East South Central	6	6	1.9%	0	0	0	0	0	0	6	6
Alabama	NM	NM	NM	0	0	0	0	0	0	NM	NM
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	6	6	2.9%	0	0	0	0	0	0	6	6
West South Central	2,152	2,380	-9.6%	0	0	752	712	0	0	1,400	1,668
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	795	1,084	-26.6%	0	0	0	0	0	0	795	1,084
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	1,357	1,296	4.7%	0	0	752	712	0	0	605	584
Mountain	216	202	7.0%	0	0	4	6	0	0	213	196
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	6	-43.3%	0	0	4	6	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	1	18.9%	0	0	0	0	0	0	1	1
Wyoming	211	195	8.6%	0	0	0	0	0	0	211	195
Pacific Contiguous	868	997	-13.0%	0	0	0	0	0	0	868	997
California	754	863	-12.6%	0	0	0	0	0	0	754	863
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	114	134	-15.2%	0	0	0	0	0	0	114	134
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	5,709	6,370	-10.4%	0	0	1,651	1,773	0	0	4,058	4,597

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

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

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

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

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

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

**Table 1.9.A. Utility Scale Facility Net Generation from Nuclear Energy by State, by Sector, July 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	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
New England	2,477	2,331	6.2%	0	0	2,477	2,331	0	0	0	0
Connecticut	1,548	1,443	7.3%	0	0	1,548	1,443	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	928	888	4.5%	0	0	928	888	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	11,330	11,535	-1.8%	0	0	11,330	11,535	0	0	0	0
New Jersey	2,553	2,552	0.0%	0	0	2,553	2,552	0	0	0	0
New York	2,402	2,386	0.6%	0	0	2,402	2,386	0	0	0	0
Pennsylvania	6,375	6,596	-3.4%	0	0	6,375	6,596	0	0	0	0
East North Central	13,484	13,460	0.2%	2,393	2,365	11,092	11,095	0	0	0	0
Illinois	8,645	8,626	0.2%	0	0	8,645	8,626	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	2,393	2,365	1.2%	2,393	2,365	0	0	0	0	0	0
Ohio	1,566	1,585	-1.2%	0	0	1,566	1,585	0	0	0	0
Wisconsin	881	884	-0.4%	0	0	881	884	0	0	0	0
West North Central	3,615	3,598	0.5%	3,615	3,598	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	892	870	2.5%	892	870	0	0	0	0	0	0
Minnesota	1,259	1,260	0.0%	1,259	1,260	0	0	0	0	0	0
Missouri	890	891	0.0%	890	891	0	0	0	0	0	0
Nebraska	573	577	-0.7%	573	577	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	19,540	18,601	5.0%	18,393	17,312	1,147	1,289	0	0	0	0
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2,675	2,714	-1.4%	2,675	2,714	0	0	0	0	0	0
Georgia	4,289	3,167	35.4%	4,289	3,167	0	0	0	0	0	0
Maryland	1,147	1,289	-11.0%	0	0	1,147	1,289	0	0	0	0
North Carolina	3,842	3,843	0.0%	3,842	3,843	0	0	0	0	0	0
South Carolina	4,934	4,944	-0.2%	4,934	4,944	0	0	0	0	0	0
Virginia	2,653	2,644	0.3%	2,653	2,644	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	7,716	8,403	-8.2%	7,716	8,403	0	0	0	0	0	0
Alabama	3,994	4,010	-0.4%	3,994	4,010	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	1,039	1,019	2.0%	1,039	1,019	0	0	0	0	0	0
Tennessee	2,683	3,374	-20.5%	2,683	3,374	0	0	0	0	0	0
West South Central	6,284	6,575	-4.4%	2,876	2,914	3,408	3,661	0	0	0	0
Arkansas	1,359	1,341	1.3%	1,359	1,341	0	0	0	0	0	0
Louisiana	1,518	1,573	-3.6%	1,518	1,573	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	3,408	3,661	-6.9%	0	0	3,408	3,661	0	0	0	0
Mountain	2,923	2,876	1.6%	2,923	2,876	0	0	0	0	0	0
Arizona	2,923	2,876	1.6%	2,923	2,876	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	2,517	2,509	0.3%	2,517	2,509	0	0	0	0	0	0
California	1,684	1,678	0.3%	1,684	1,678	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	833	831	0.3%	833	831	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	69,885	69,888	0.0%	40,433	39,977	29,453	29,910	0	0	0	0

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

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

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

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

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



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

by State, by Sector, Year-to-Date through July 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	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
New England	16,787	12,888	30.3%	0	0	16,787	12,888	0	0	0	0
Connecticut	10,430	7,781	34.0%	0	0	10,430	7,781	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	6,357	5,107	24.5%	0	0	6,357	5,107	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	75,792	75,861	-0.1%	0	0	75,792	75,861	0	0	0	0
New Jersey	16,383	16,902	-3.1%	0	0	16,383	16,902	0	0	0	0
New York	16,086	15,772	2.0%	0	0	16,086	15,772	0	0	0	0
Pennsylvania	43,323	43,188	0.3%	0	0	43,323	43,188	0	0	0	0
East North Central	88,202	87,664	0.6%	13,924	17,157	74,278	70,507	0	0	0	0
Illinois	58,052	56,367	3.0%	0	0	58,052	56,367	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	13,924	17,157	-18.8%	13,924	17,157	0	0	0	0	0	0
Ohio	10,089	8,447	19.4%	0	0	10,089	8,447	0	0	0	0
Wisconsin	6,136	5,693	7.8%	0	0	6,136	5,693	0	0	0	0
West North Central	22,023	23,720	-7.2%	22,023	23,720	0	0	0	0	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	4,883	5,962	-18.1%	4,883	5,962	0	0	0	0	0	0
Minnesota	7,052	7,889	-10.6%	7,052	7,889	0	0	0	0	0	0
Missouri	6,040	5,851	3.2%	6,040	5,851	0	0	0	0	0	0
Nebraska	4,048	4,017	0.8%	4,048	4,017	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	127,648	119,490	6.8%	119,283	110,897	8,365	8,593	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	17,674	17,568	0.6%	17,674	17,568	0	0	0	0	0	0
Georgia	27,486	19,900	38.1%	27,486	19,900	0	0	0	0	0	0
Maryland	8,365	8,593	-2.7%	0	0	8,365	8,593	0	0	0	0
North Carolina	25,082	24,348	3.0%	25,082	24,348	0	0	0	0	0	0
South Carolina	32,593	31,668	2.9%	32,593	31,668	0	0	0	0	0	0
Virginia	16,447	17,413	-5.5%	16,447	17,413	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	52,922	55,126	-4.0%	52,922	55,126	0	0	0	0	0	0
Alabama	25,434	26,216	-3.0%	25,434	26,216	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	5,965	7,131	-16.3%	5,965	7,131	0	0	0	0	0	0
Tennessee	21,523	21,779	-1.2%	21,523	21,779	0	0	0	0	0	0
West South Central	38,869	38,899	-0.1%	16,408	15,720	22,461	23,179	0	0	0	0
Arkansas	8,928	8,266	8.0%	8,928	8,266	0	0	0	0	0	0
Louisiana	7,480	7,454	0.4%	7,480	7,454	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	22,461	23,179	-3.1%	0	0	22,461	23,179	0	0	0	0
Mountain	19,067	18,233	4.6%	19,067	18,233	0	0	0	0	0	0
Arizona	19,067	18,233	4.6%	19,067	18,233	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	16,077	15,604	3.0%	16,077	15,604	0	0	0	0	0	0
California	10,264	11,286	-9.1%	10,264	11,286	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	5,813	4,318	34.6%	5,813	4,318	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	457,386	447,485	2.2%	259,704	256,458	197,682	191,027	0	0	0	0

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

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

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

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

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

**Table 1.10.A. Utility Scale Facility Net Generation from Hydroelectric (Conventional) Power by State, by Sector, July 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	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
New England	409	558	-26.6%	39	58	366	492	0	0	NM	NM
Connecticut	NM	30	NM	2	6	NM	25	0	0	0	0
Maine	217	254	-14.7%	0	0	213	248	0	0	NM	NM
Massachusetts	53	74	-27.8%	NM	18	40	55	0	0	0	0
New Hampshire	49	101	-50.9%	NM	NM	49	100	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	73	98	-25.2%	23	33	50	64	0	0	0	0
Middle Atlantic	2,443	2,587	-5.6%	2,029	2,018	410	566	0	0	3	4
New Jersey	0	2	-100.0%	0	0	0	2	0	0	0	0
New York	2,300	2,362	-2.6%	2,027	2,013	269	345	0	0	3	4
Pennsylvania	143	223	-35.8%	2	5	141	218	0	0	0	0
East North Central	317	308	3.0%	279	269	27	NM	NM	NM	10	NM
Illinois	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Indiana	23	32	-27.2%	22	31	0	0	NM	NM	0	0
Michigan	102	92	11.2%	97	87	NM	NM	0	0	NM	NM
Ohio	36	42	-14.7%	24	27	NM	15	0	0	0	0
Wisconsin	150	134	12.2%	133	119	NM	NM	0	0	9	NM
West North Central	766	759	0.9%	740	740	NM	NM	0	0	6	4
Iowa	95	58	63.4%	94	58	1	0	0	0	0	0
Kansas	3	1	193.8%	0	0	3	1	0	0	0	0
Minnesota	70	59	18.6%	48	NM	NM	NM	0	0	6	4
Missouri	68	112	-39.1%	68	112	0	0	0	0	0	0
Nebraska	79	75	5.1%	79	75	0	0	0	0	0	0
North Dakota	133	128	3.5%	133	128	0	0	0	0	0	0
South Dakota	318	326	-2.4%	318	326	0	0	0	0	0	0
South Atlantic	711	1,223	-41.9%	535	958	135	219	1	1	40	46
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	18	19	-8.2%	18	19	0	0	0	0	0	0
Georgia	146	270	-45.9%	144	267	NM	NM	0	0	NM	NM
Maryland	55	107	-48.1%	0	0	55	107	0	0	0	0
North Carolina	256	394	-34.9%	208	329	47	63	0	1	NM	NM
South Carolina	60	187	-67.9%	57	182	NM	NM	0	0	0	0
Virginia	60	110	-45.4%	54	100	NM	9	0	0	0	0
West Virginia	116	138	-15.5%	55	60	23	34	0	0	39	44
East South Central	1,384	1,984	-30.2%	1,334	1,918	50	66	0	0	0	0
Alabama	483	784	-38.4%	483	784	0	0	0	0	0	0
Kentucky	321	430	-25.5%	320	429	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	581	770	-24.5%	531	705	50	65	0	0	0	0
West South Central	324	574	-43.6%	246	485	78	89	0	0	0	0
Arkansas	164	294	-44.3%	159	288	NM	NM	0	0	0	0
Louisiana	70	79	-11.2%	0	0	70	79	0	0	0	0
Oklahoma	70	148	-53.0%	70	148	0	0	0	0	0	0
Texas	20	53	-61.4%	17	49	3	4	0	0	0	0
Mountain	2,187	2,362	-7.4%	2,095	2,268	87	90	NM	NM	0	0
Arizona	467	705	-33.8%	467	705	0	0	0	0	0	0
Colorado	123	130	-5.8%	102	109	NM	NM	2	2	0	0
Idaho	622	598	4.0%	569	543	53	NM	0	0	0	0
Montana	727	662	9.7%	718	654	NM	NM	0	0	0	0
Nevada	136	146	-7.1%	130	141	NM	NM	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	46	NM	NM	44	NM	0	0	NM	NM	0	0
Wyoming	57	59	-3.7%	55	NM	2	2	0	0	0	0
Pacific Contiguous	11,485	10,718	7.2%	11,251	10,483	233	235	NM	NM	NM	0
California	3,379	3,469	-2.6%	3,186	3,272	193	196	NM	NM	0	0
Oregon	1,923	1,754	9.7%	1,907	1,738	NM	NM	0	0	0	0
Washington	6,183	5,496	12.5%	6,159	5,473	NM	NM	0	0	NM	0
Pacific Noncontiguous	134	124	7.9%	114	105	1	1	NM	NM	NM	NM
Alaska	128	117	9.4%	114	105	0	0	NM	NM	0	0
Hawaii	NM	NM	NM	0	1	1	1	0	0	NM	NM
U.S. Total	20,161	21,199	-4.9%	18,662	19,302	1,409	1,804	NM	NM	68	73

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

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

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

**Table 1.10.B. Utility Scale Facility Net Generation from Hydroelectric (Conventional) Power**  
**by State, by Sector, Year-to-Date through July 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	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
New England	4,094	3,878	5.6%	409	393	3,634	3,437	2	3	48	45
Connecticut	206	192	7.3%	26	23	181	170	0	0	0	0
Maine	1,887	1,782	5.9%	NM	NM	1,838	1,736	0	0	48	45
Massachusetts	536	521	3.0%	135	133	400	385	2	3	0	0
New Hampshire	744	703	5.9%	NM	NM	737	696	0	0	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	0	0	0	0
Vermont	715	676	5.8%	242	229	473	446	0	0	0	0
Middle Atlantic	18,513	17,633	5.0%	14,287	13,683	4,186	3,912	3	4	37	34
New Jersey	4	7	-47.9%	0	0	4	7	0	0	0	0
New York	16,807	16,070	4.6%	14,222	13,631	2,546	2,402	3	4	37	34
Pennsylvania	1,702	1,556	9.4%	65	52	1,637	1,504	0	0	0	0
East North Central	2,202	2,225	-1.1%	1,912	1,943	217	210	NM	NM	66	65
Illinois	48	55	-13.5%	27	36	21	20	0	0	0	0
Indiana	232	219	6.2%	225	212	0	0	NM	NM	0	0
Michigan	643	669	-3.8%	605	630	34	33	0	0	NM	NM
Ohio	324	293	10.5%	211	187	113	106	0	0	0	0
Wisconsin	955	990	-3.5%	844	879	49	51	0	0	62	60
West North Central	5,361	5,463	-1.9%	5,192	5,305	120	120	0	0	49	38
Iowa	489	494	-1.0%	486	491	4	4	0	0	0	0
Kansas	15	10	48.6%	0	0	15	10	0	0	0	0
Minnesota	442	445	-0.8%	291	301	102	106	0	0	49	38
Missouri	849	778	9.1%	849	778	0	0	0	0	0	0
Nebraska	513	536	-4.3%	513	536	0	0	0	0	0	0
North Dakota	875	915	-4.3%	875	915	0	0	0	0	0	0
South Dakota	2,178	2,284	-4.6%	2,178	2,284	0	0	0	0	0	0
South Atlantic	9,615	8,942	7.5%	7,041	6,671	2,227	1,943	11	9	337	319
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	142	134	5.7%	142	134	0	0	0	0	0	0
Georgia	1,981	1,874	5.7%	1,960	1,853	NM	NM	0	0	NM	NM
Maryland	1,399	1,157	20.9%	0	0	1,399	1,157	0	0	0	0
North Carolina	2,973	2,789	6.6%	2,496	2,336	465	442	9	7	NM	NM
South Carolina	1,402	1,327	5.7%	1,366	1,292	34	33	2	1	0	0
Virginia	705	704	0.3%	632	635	73	69	0	0	0	0
West Virginia	1,014	957	5.9%	445	421	246	232	0	0	322	305
East South Central	14,724	13,899	5.9%	14,237	13,439	487	459	0	0	0	0
Alabama	6,241	5,859	6.5%	6,241	5,859	0	0	0	0	0	0
Kentucky	2,818	2,694	4.6%	2,809	2,686	NM	NM	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	5,665	5,346	6.0%	5,187	4,895	479	451	0	0	0	0
West South Central	4,305	4,099	5.0%	3,662	3,490	643	609	NM	NM	0	0
Arkansas	2,164	2,053	5.4%	2,125	2,017	39	35	0	0	0	0
Louisiana	580	549	5.8%	0	0	580	549	0	0	0	0
Oklahoma	1,093	1,032	5.9%	1,093	1,032	0	0	0	0	0	0
Texas	468	466	0.4%	444	441	24	25	NM	NM	0	0
Mountain	14,640	15,388	-4.9%	14,039	14,757	577	608	24	NM	0	0
Arizona	3,397	3,743	-9.3%	3,397	3,743	0	0	0	0	0	0
Colorado	783	895	-12.4%	670	770	106	119	8	6	0	0
Idaho	4,082	4,266	-4.3%	3,718	3,885	364	381	0	0	0	0
Montana	4,607	4,796	-3.9%	4,549	4,736	58	61	0	0	0	0
Nevada	974	850	14.6%	939	817	35	33	0	0	0	0
New Mexico	75	80	-5.7%	75	80	0	0	0	0	0	0
Utah	333	350	-4.9%	308	324	7	8	NM	NM	0	0
Wyoming	389	407	-4.4%	383	402	6	5	0	0	0	0
Pacific Contiguous	71,974	74,319	-3.2%	70,503	72,835	1,456	1,469	NM	NM	NM	0
California	20,668	20,841	-0.8%	19,463	19,634	1,191	1,192	NM	NM	0	0
Oregon	14,896	15,299	-2.6%	14,788	15,186	108	113	0	0	0	0
Washington	36,410	38,179	-4.6%	36,252	38,015	157	164	0	0	NM	0
Pacific Noncontiguous	872	908	-4.0%	731	763	19	16	88	91	34	38
Alaska	816	850	-4.0%	728	759	0	0	88	91	0	0
Hawaii	56	58	-3.3%	3	4	19	16	0	0	34	38
U.S. Total	146,300	146,754	-0.3%	132,012	133,280	13,567	12,782	150	152	571	540

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

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

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

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

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

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



**Table 1.11.A. Utility Scale Facility Net Generation from Renewable Sources Excluding Hydroelectric by State, by Sector, July 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	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
New England	1,051	999	5.2%	41	66	912	829	42	46	57	58
Connecticut	96	91	5.2%	0	0	94	90	NM	NM	NM	NM
Maine	389	321	21.1%	0	0	333	264	0	0	56	56
Massachusetts	313	317	-1.3%	10	11	263	264	39	41	NM	NM
New Hampshire	87	97	-11.0%	0	0	85	94	2	3	0	0
Rhode Island	100	80	25.3%	0	0	99	79	0	0	0	0
Vermont	67	93	-27.4%	31	55	37	38	0	0	0	0
Middle Atlantic	1,535	1,286	19.4%	24	24	1,342	1,093	124	123	45	47
New Jersey	239	240	-0.2%	13	13	181	182	45	44	NM	NM
New York	837	706	18.5%	11	11	753	623	59	59	14	13
Pennsylvania	459	340	35.0%	0	0	408	288	20	19	31	33
East North Central	4,147	3,165	31.0%	924	624	3,120	2,438	10	11	93	92
Illinois	1,327	1,104	20.2%	7	9	1,319	1,095	NM	NM	NM	0
Indiana	777	694	12.0%	237	187	536	502	0	0	4	4
Michigan	807	722	11.9%	241	218	514	458	4	4	48	41
Ohio	676	307	119.9%	NM	NM	656	282	1	1	18	22
Wisconsin	560	338	65.5%	437	209	96	100	4	6	23	24
West North Central	7,774	6,831	13.8%	2,503	2,185	5,175	4,569	24	16	72	61
Iowa	2,085	1,796	16.1%	1,471	1,250	606	538	1	NM	7	7
Kansas	2,169	1,743	24.4%	207	191	1,960	1,550	NM	NM	NM	NM
Minnesota	1,057	1,053	0.4%	304	252	677	741	15	9	62	51
Missouri	385	335	15.0%	155	135	224	195	6	4	0	0
Nebraska	648	570	13.8%	14	14	633	554	1	2	0	0
North Dakota	757	813	-7.0%	272	261	485	552	0	0	0	0
South Dakota	673	522	28.9%	80	81	591	439	0	0	NM	NM
South Atlantic	6,633	5,958	11.3%	2,239	1,784	3,592	3,396	86	97	715	681
Delaware	25	24	3.9%	NM	NM	22	22	NM	NM	NM	2
District of Columbia	9	7	22.8%	NM	NM	5	3	4	5	0	0
Florida	2,046	1,633	25.3%	1,713	1,295	187	172	41	41	104	125
Georgia	1,316	1,238	6.3%	60	66	968	890	NM	NM	288	282
Maryland	179	163	9.7%	NM	NM	176	160	NM	2	0	0
North Carolina	1,405	1,437	-2.2%	112	83	1,198	1,263	12	13	83	79
South Carolina	480	450	6.7%	6	6	339	334	0	0	134	111
Virginia	1,050	896	17.2%	342	334	578	445	26	35	104	83
West Virginia	122	108	12.8%	NM	0	118	108	0	0	0	0
East South Central	875	776	12.8%	19	34	428	310	NM	NM	427	431
Alabama	392	395	-0.8%	NM	3	125	132	0	0	264	260
Kentucky	68	48	40.8%	11	13	27	11	NM	NM	29	24
Mississippi	257	172	49.3%	5	19	156	46	0	0	96	107
Tennessee	159	161	-1.2%	NM	NM	121	121	NM	NM	37	39
West South Central	17,088	16,615	2.8%	630	342	16,130	15,972	7	3	322	299
Arkansas	306	124	146.6%	29	21	208	47	2	2	67	54
Louisiana	297	200	48.5%	4	4	130	36	0	0	163	160
Oklahoma	3,102	2,911	6.6%	557	243	2,520	2,648	0	-1	26	20
Texas	13,382	13,379	0.0%	39	73	13,272	13,240	5	NM	66	64
Mountain	8,255	7,109	16.1%	1,022	1,028	7,200	6,033	13	14	21	34
Arizona	1,424	992	43.6%	76	63	1,342	923	NM	NM	NM	NM
Colorado	1,777	1,615	10.0%	304	301	1,468	1,312	NM	NM	NM	0
Idaho	319	281	13.7%	41	42	264	208	3	3	11	28
Montana	352	280	25.9%	40	47	309	231	0	0	2	2
Nevada	1,806	1,463	23.5%	60	21	1,741	1,436	5	5	NM	NM
New Mexico	1,363	1,410	-3.3%	224	284	1,139	1,126	NM	NM	0	0
Utah	688	579	18.8%	25	21	662	558	NM	1	NM	0
Wyoming	525	489	7.4%	251	249	274	240	0	0	0	0
Pacific Contiguous	9,736	9,321	4.5%	641	645	8,805	8,391	83	89	207	195
California	7,955	7,440	6.9%	204	198	7,577	7,074	80	86	95	82
Oregon	1,146	1,243	-7.8%	171	181	924	1,017	2	2	49	42
Washington	635	638	-0.4%	266	267	305	300	NM	NM	63	71
Pacific Noncontiguous	204	197	3.9%	16	13	172	165	16	18	0	0
Alaska	13	NM	NM	NM	NM	NM	NM	4	3	0	0
Hawaii	191	186	3.0%	11	8	168	162	13	15	0	0
U.S. Total	57,298	52,255	9.7%	8,059	6,746	46,876	43,195	405	417	1,958	1,897

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

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

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

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

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

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



**Table 1.11.B. Utility Scale Facility Net Generation from Renewable Sources Excluding Hydroelectric**  
**by State, by Sector, Year-to-Date through July 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	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
New England	7,340	6,940	5.8%	340	368	6,360	5,866	289	303	351	402
Connecticut	554	527	5.1%	1	0	545	520	4	4	NM	NM
Maine	2,961	2,782	6.4%	0	0	2,614	2,385	3	5	343	392
Massachusetts	1,934	1,858	4.1%	76	72	1,594	1,510	259	269	NM	NM
New Hampshire	708	701	1.0%	0	0	689	680	18	21	0	0
Rhode Island	646	518	24.8%	0	0	643	514	3	4	0	0
Vermont	539	555	-2.9%	263	295	274	259	1	1	0	0
Middle Atlantic	11,535	9,797	17.7%	239	187	10,166	8,551	819	743	311	316
New Jersey	1,484	1,384	7.2%	79	69	1,095	1,031	307	282	3	3
New York	6,364	5,289	20.3%	159	118	5,728	4,739	379	345	98	88
Pennsylvania	3,687	3,123	18.0%	0	0	3,344	2,781	133	117	210	226
East North Central	40,486	33,398	21.2%	7,034	4,920	32,713	27,752	76	82	664	643
Illinois	16,730	14,341	16.7%	56	66	16,669	14,272	NM	NM	NM	0
Indiana	7,826	7,094	10.3%	1,158	645	6,640	6,421	1	1	27	27
Michigan	8,205	6,936	18.3%	3,380	2,729	4,461	3,891	27	26	337	290
Ohio	4,193	2,595	61.6%	10	9	4,043	2,416	9	10	132	160
Wisconsin	3,533	2,431	45.3%	2,430	1,472	900	751	36	43	167	165
West North Central	84,332	77,021	9.5%	30,875	28,258	52,833	48,217	108	104	517	442
Iowa	27,281	25,093	8.7%	19,550	18,035	7,683	7,012	5	7	43	38
Kansas	18,428	15,961	15.5%	1,747	1,522	16,665	14,423	NM	NM	NM	NM
Minnesota	11,101	10,434	6.4%	3,613	3,015	6,980	6,984	58	55	449	379
Missouri	4,504	4,209	7.0%	1,845	1,687	2,629	2,498	28	22	2	2
Nebraska	7,436	7,305	1.8%	106	108	7,323	7,186	7	11	0	0
North Dakota	8,782	8,572	2.4%	3,114	3,031	5,667	5,541	0	0	0	0
South Dakota	6,800	5,448	24.8%	898	860	5,887	4,572	0	0	15	15
South Atlantic	41,983	37,027	13.4%	13,790	11,070	22,582	20,263	585	635	5,027	5,058
Delaware	142	148	-4.0%	4	4	122	128	2	4	13	11
District of Columbia	55	50	9.2%	NM	NM	20	15	34	35	0	0
Florida	13,173	10,691	23.2%	10,913	8,303	1,223	1,194	242	269	794	925
Georgia	8,405	7,562	11.2%	334	385	6,038	5,174	NM	NM	2,032	2,002
Maryland	1,195	1,059	12.8%	5	5	1,178	1,038	12	16	0	0
North Carolina	8,644	8,175	5.7%	547	454	7,465	7,056	69	68	563	597
South Carolina	3,013	2,810	7.2%	37	37	2,050	1,918	0	0	926	855
Virginia	6,039	5,233	15.4%	1,924	1,883	3,192	2,440	224	241	698	668
West Virginia	1,318	1,298	1.5%	24	0	1,294	1,298	0	0	0	0
East South Central	5,408	4,799	12.7%	179	207	2,266	1,640	4	4	2,959	2,947
Alabama	2,584	2,517	2.7%	16	15	737	708	0	0	1,832	1,795
Kentucky	366	337	8.6%	72	80	94	72	NM	NM	199	184
Mississippi	1,514	1,116	35.6%	90	111	728	258	0	0	696	747
Tennessee	944	829	13.9%	NM	NM	707	603	3	3	233	222
West South Central	126,885	115,238	10.1%	3,208	1,854	121,375	111,229	77	36	2,226	2,119
Arkansas	1,632	846	92.9%	154	145	992	273	11	11	475	417
Louisiana	1,651	1,319	25.1%	24	24	512	201	0	0	1,114	1,095
Oklahoma	24,180	22,633	6.8%	2,767	1,416	21,230	21,059	-1	-5	184	163
Texas	99,423	90,440	9.9%	262	270	98,641	89,695	68	31	452	444
Mountain	58,297	50,074	16.4%	9,396	8,937	48,620	40,834	80	80	202	224
Arizona	7,621	5,656	34.7%	419	344	7,171	5,281	15	15	16	16
Colorado	13,354	11,472	16.4%	2,599	2,546	10,729	8,914	11	11	14	1
Idaho	2,534	2,240	13.2%	273	264	2,091	1,770	17	17	153	188
Montana	3,627	2,699	34.4%	553	568	3,066	2,119	0	0	8	11
Nevada	9,978	8,632	15.6%	236	118	9,706	8,481	29	27	7	6
New Mexico	11,566	10,822	6.9%	1,966	1,969	9,598	8,852	NM	NM	0	0
Utah	3,748	3,200	17.1%	162	169	3,576	3,022	6	8	NM	0
Wyoming	5,869	5,353	9.6%	3,188	2,958	2,682	2,394	0	0	0	0
Pacific Contiguous	60,548	56,294	7.6%	4,777	4,503	53,909	49,848	552	553	1,310	1,391
California	46,756	42,981	8.8%	1,064	1,033	44,583	40,868	529	529	580	551
Oregon	7,750	7,645	1.4%	1,015	1,021	6,388	6,295	17	17	331	312
Washington	6,042	5,668	6.6%	2,697	2,448	2,939	2,685	6	6	399	528
Pacific Noncontiguous	1,233	1,194	3.3%	110	104	1,015	983	108	107	0	0
Alaska	117	102	14.8%	53	49	41	32	24	21	0	0
Hawaii	1,116	1,092	2.2%	57	55	974	951	84	86	0	0
U.S. Total	438,050	391,781	11.8%	69,946	60,408	351,839	315,183	2,699	2,648	13,566	13,542

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

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

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

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

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

**Table 1.12.A. Utility Scale Facility Net Generation from Hydroelectric (Pumped Storage) Power by State, by Sector, July 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	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
New England	-49	-34	44.7%	0	0	-49	-34	0	0	0	0
Connecticut	1	0	61.4%	0	0	1	0	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-50	-34	44.9%	0	0	-50	-34	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	-160	-142	12.5%	-42	-47	-118	-95	0	0	0	0
New Jersey	-29	-25	17.4%	0	0	-29	-25	0	0	0	0
New York	-42	-47	-10.6%	-42	-47	0	0	0	0	0	0
Pennsylvania	-89	-71	26.0%	0	0	-89	-71	0	0	0	0
East North Central	-139	-110	26.3%	-139	-110	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	-139	-110	26.3%	-139	-110	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	12	-12	-202.3%	12	-12	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	12	-12	-202.3%	12	-12	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	-333	-335	-0.5%	-333	-335	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	-73	-75	-2.0%	-73	-75	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	-35	-50	-29.5%	-35	-50	0	0	0	0	0	0
Virginia	-224	-210	6.9%	-224	-210	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-71	-55	30.7%	-71	-55	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	-71	-55	30.7%	-71	-55	0	0	0	0	0	0
West South Central	0	1	-139.9%	0	1	0	0	0	0	0	0
Arkansas	5	8	-38.9%	5	8	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-5	-8	-31.9%	-5	-8	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	45	16	192.6%	45	16	0	0	0	0	0	0
Arizona	38	19	96.3%	38	19	0	0	0	0	0	0
Colorado	8	-4	-300.7%	8	-4	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	46	23	97.1%	46	23	0	0	0	0	0	0
California	46	23	99.6%	46	23	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	0	0	-32.6%	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	-649	-648	0.1%	-482	-519	-167	-129	0	0	0	0

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

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

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

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

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

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

**Table 1.12.B. Utility Scale Facility Net Generation from Hydroelectric (Pumped Storage) Power**  
**by State, by Sector, Year-to-Date through July 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	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
New England	-268	-250	7.2%	0	0	-268	-250	0	0	0	0
Connecticut	6	-2	-380.0%	0	0	6	-2	0	0	0	0
Maine	0	0	--	0	0	0	0	0	0	0	0
Massachusetts	-274	-248	10.8%	0	0	-274	-248	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	-874	-733	19.2%	-220	-203	-653	-530	0	0	0	0
New Jersey	-139	-93	49.2%	0	0	-139	-93	0	0	0	0
New York	-220	-203	8.7%	-220	-203	0	0	0	0	0	0
Pennsylvania	-515	-437	17.7%	0	0	-515	-437	0	0	0	0
East North Central	-536	-452	18.4%	-536	-452	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	-536	-452	18.4%	-536	-452	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	194	6	NM	194	6	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	194	6	NM	194	6	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	-1,324	-1,350	-1.9%	-1,324	-1,350	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	-302	-204	47.9%	-302	-204	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	-133	-315	-57.8%	-133	-315	0	0	0	0	0	0
Virginia	-890	-831	7.1%	-890	-831	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	-335	-317	5.8%	-335	-317	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	-335	-317	5.8%	-335	-317	0	0	0	0	0	0
West South Central	31	41	-24.9%	31	41	0	0	0	0	0	0
Arkansas	66	86	-23.5%	66	86	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	-35	-45	-22.1%	-35	-45	0	0	0	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	76	101	-25.2%	76	101	0	0	0	0	0	0
Arizona	10	109	-90.9%	10	109	0	0	0	0	0	0
Colorado	66	-8	-898.5%	66	-8	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	30	-538	-105.5%	30	-538	0	0	0	0	0	0
California	27	-535	-105.0%	27	-535	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	3	-3	-225.5%	3	-3	0	0	0	0	0	0
Pacific Noncontiguous	0	0	--	0	0	0	0	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	-3,007	-3,493	-13.9%	-2,085	-2,712	-921	-780	0	0	0	0

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

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

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

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

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

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

**Table 1.13.A. Utility Scale Facility Net Generation from Other Energy Sources by State, by Sector, July 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	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
New England	145	149	-3.0%	0	0	91	92	41	45	12	11
Connecticut	39	38	1.3%	0	0	39	38	0	0	0	0
Maine	23	24	-5.2%	0	0	10	12	0	1	12	11
Massachusetts	78	82	-4.5%	0	0	37	37	41	45	0	0
New Hampshire	5	5	0.0%	0	0	5	5	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	-3.5%	0	0	0	0	0	0	0	0
Middle Atlantic	216	212	1.7%	0	0	84	89	125	124	7	0
New Jersey	51	46	10.8%	0	0	10	12	35	34	7	0
New York	90	90	-0.6%	0	0	18	19	71	71	0	0
Pennsylvania	75	76	-1.0%	0	0	56	57	19	18	0	0
East North Central	76	82	-7.9%	2	2	5	6	5	5	64	69
Illinois	23	23	-2.1%	0	0	0	0	0	0	23	24
Indiana	41	45	-9.8%	0	0	0	0	0	0	41	45
Michigan	10	11	-12.7%	0	0	5	7	5	5	0	0
Ohio	0	0	-32.6%	0	0	0	0	0	0	0	0
Wisconsin	2	2	-2.9%	2	2	0	0	0	0	0	0
West North Central	31	28	13.3%	13	12	14	12	NM	NM	0	0
Iowa	0	0	-100.0%	0	0	0	0	0	0	0	0
Kansas	0	0	0.0%	0	0	0	0	0	0	0	0
Minnesota	29	26	12.2%	12	11	14	12	NM	NM	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	NM	NM	NM	NM	NM	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	315	318	-0.7%	-2	-4	106	108	80	90	132	123
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	200	209	-4.5%	-2	-4	74	76	49	48	79	89
Georgia	27	4	506.0%	0	0	0	0	0	0	28	5
Maryland	32	33	-4.6%	0	0	32	33	0	0	0	0
North Carolina	21	26	-21.2%	0	0	0	0	0	0	21	26
South Carolina	5	4	19.6%	0	0	1	1	0	0	4	3
Virginia	31	42	-24.6%	0	0	0	0	31	42	0	0
West Virginia	0	-1	-72.1%	0	0	0	-1	0	0	0	0
East South Central	0	11	-102.8%	0	11	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	11	-100.0%	0	11	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	63.9%	0	0	0	0	0	0	0	0
West South Central	22	40	-45.6%	4	4	-23	-7	0	-1	41	44
Arkansas	0	1	-50.1%	0	0	0	0	0	0	0	1
Louisiana	29	10	192.3%	0	0	0	0	0	0	29	10
Oklahoma	4	3	14.7%	4	4	0	0	0	-1	0	0
Texas	-12	26	-143.6%	0	0	-23	-7	0	0	11	33
Mountain	31	31	-2.5%	1	7	7	5	0	0	23	19
Arizona	2	-3	-175.6%	-1	0	3	-3	0	0	0	0
Colorado	0	1	-134.7%	-1	0	-4	-3	0	0	4	4
Idaho	6	8	-22.9%	0	0	0	0	0	0	6	8
Montana	20	19	5.5%	0	0	20	19	0	0	0	0
Nevada	-12	-2	552.7%	-2	3	-9	-4	0	0	0	0
New Mexico	-3	-3	8.5%	0	0	-3	-3	0	0	0	0
Utah	10	4	119.4%	5	4	0	0	0	0	5	0
Wyoming	8	7	3.2%	0	0	0	0	0	0	8	7
Pacific Contiguous	-78	-19	315.4%	-4	-3	-98	-48	3	6	21	25
California	-88	-26	239.0%	-4	-3	-107	-55	3	6	21	25
Oregon	3	1	377.9%	0	0	3	1	0	0	0	0
Washington	7	6	2.6%	0	0	7	6	0	0	0	0
Pacific Noncontiguous	12	18	-34.1%	0	0	-2	0	14	18	0	0
Alaska	0	0	56.6%	0	0	0	0	0	0	0	0
Hawaii	12	18	-33.1%	0	0	-2	0	14	18	0	0
U.S. Total	769	870	-11.7%	14	29	184	257	271	290	300	293

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

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

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

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

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



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

by State, by Sector, Year-to-Date through July 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	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
New England	971	982	-1.1%	2	2	610	606	278	293	82	80
Connecticut	244	250	-2.7%	0	0	244	250	0	0	0	0
Maine	172	167	2.9%	0	0	87	81	4	6	82	80
Massachusetts	524	532	-1.4%	0	0	250	245	274	287	0	0
New Hampshire	29	30	-1.7%	0	0	29	30	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	2	2	-27.1%	2	2	0	0	0	0	0	0
Middle Atlantic	1,459	1,347	8.3%	0	0	584	590	833	757	41	0
New Jersey	366	306	19.5%	0	0	72	73	252	233	41	0
New York	580	537	7.9%	0	0	125	125	455	412	0	0
Pennsylvania	514	504	2.0%	0	0	387	392	127	112	0	0
East North Central	467	529	-11.7%	11	13	30	44	32	30	395	442
Illinois	149	159	-6.2%	0	0	-3	-5	0	0	152	164
Indiana	241	271	-11.2%	0	0	0	0	0	0	241	271
Michigan	64	80	-19.9%	0	0	33	50	32	30	0	0
Ohio	2	6	-65.7%	0	0	0	0	0	0	2	6
Wisconsin	11	13	-12.8%	11	13	0	0	0	0	0	0
West North Central	177	170	4.0%	73	72	81	77	20	20	3	1
Iowa	0	0	-100.0%	0	0	0	0	0	0	0	0
Kansas	3	1	179.5%	0	0	0	0	0	0	3	1
Minnesota	165	163	0.8%	64	66	81	77	20	20	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	9	6	60.6%	9	6	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	1,917	2,056	-6.7%	-17	-19	644	729	550	604	740	742
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	1,236	1,425	-13.3%	-16	-19	452	558	283	316	517	570
Georgia	55	32	71.5%	0	0	-1	-3	0	0	56	35
Maryland	194	178	8.7%	0	0	194	178	0	0	0	0
North Carolina	142	118	19.9%	0	0	0	0	0	0	142	118
South Carolina	29	22	30.3%	0	0	4	4	0	0	25	18
Virginia	268	288	-7.2%	0	0	0	0	268	288	0	0
West Virginia	-5	-9	-37.0%	0	0	-5	-9	0	0	0	0
East South Central	11	49	-78.1%	11	49	-1	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	11	49	-77.3%	11	49	0	0	0	0	0	0
Mississippi	-1	0	--	0	0	-1	0	0	0	0	0
Tennessee	0	0	-6.0%	0	0	0	0	0	0	0	0
West South Central	158	360	-56.2%	12	12	-104	-8	-2	-7	250	362
Arkansas	5	4	14.2%	0	0	0	0	0	0	5	5
Louisiana	124	134	-7.7%	0	0	0	0	0	0	124	134
Oklahoma	11	6	77.9%	13	13	0	0	-2	-6	0	0
Texas	17	215	-92.0%	0	-1	-104	-8	0	0	121	223
Mountain	228	281	-18.9%	20	43	34	82	0	0	175	156
Arizona	-31	-9	255.7%	-3	-2	-28	-7	0	0	0	0
Colorado	5	20	-74.7%	-1	0	-22	-5	0	0	28	25
Idaho	37	46	-19.3%	0	0	0	0	0	0	37	46
Montana	150	117	27.9%	0	0	150	117	0	0	0	0
Nevada	-53	0	NM	-6	17	-48	-17	0	0	0	0
New Mexico	-19	-7	175.4%	-1	-1	-18	-6	0	0	0	0
Utah	93	70	32.5%	30	29	0	0	0	0	63	41
Wyoming	47	44	7.6%	0	0	0	0	0	0	47	44
Pacific Contiguous	-297	-64	366.4%	-26	-19	-445	-223	22	23	151	155
California	-353	-116	203.3%	-25	-18	-500	-276	22	23	151	155
Oregon	12	12	-1.1%	0	0	12	12	0	0	0	0
Washington	43	40	7.1%	0	0	43	40	0	0	0	0
Pacific Noncontiguous	84	100	-16.4%	-2	-1	-12	0	98	102	0	0
Alaska	-2	-1	18.6%	-2	-1	0	0	0	0	0	0
Hawaii	86	102	-15.9%	0	0	-12	0	98	102	0	0
U.S. Total	5,175	5,811	-10.9%	85	152	1,421	1,897	1,831	1,824	1,838	1,937

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

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

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

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

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

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

Table 1.14.A. Utility Scale Facility Net Generation from Wind by State, by Sector, July 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	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
New England	184	160	15.0%	10	10	173	149	2	NM	0	NM
Connecticut	0	0	13.1%	0	0	0	0	0	0	0	0
Maine	124	106	16.5%	0	0	124	106	0	0	0	0
Massachusetts	10	10	7.8%	NM	NM	7	NM	NM	NM	0	NM
New Hampshire	22	19	16.7%	0	0	22	19	0	0	0	0
Rhode Island	10	8	22.2%	0	0	10	8	0	0	0	0
Vermont	18	17	4.1%	8	9	9	9	0	0	0	0
Middle Atlantic	509	445	14.5%	11	11	498	434	NM	NM	NM	NM
New Jersey	1	1	19.7%	0	0	1	1	0	0	0	0
New York	331	287	15.4%	11	11	319	275	NM	NM	NM	NM
Pennsylvania	178	157	13.0%	0	0	178	157	0	0	0	0
East North Central	2,014	1,799	12.0%	280	245	1,727	1,547	NM	NM	NM	NM
Illinois	1,020	863	18.1%	NM	NM	1,019	863	NM	NM	0	0
Indiana	408	388	5.4%	0	0	408	388	0	0	0	0
Michigan	400	374	6.9%	233	209	167	165	0	0	0	0
Ohio	117	104	12.5%	NM	NM	112	99	0	0	NM	NM
Wisconsin	69	69	-1.3%	46	35	21	33	NM	NM	0	0
West North Central	7,206	6,354	13.4%	2,414	2,112	4,789	4,238	NM	NM	NM	NM
Iowa	2,001	1,712	16.8%	1,431	1,212	570	500	0	0	0	0
Kansas	2,153	1,728	24.6%	205	189	1,947	1,536	NM	NM	NM	NM
Minnesota	711	723	-1.6%	274	232	435	489	NM	NM	0	0
Missouri	354	306	15.9%	145	130	209	176	0	0	0	0
Nebraska	615	552	11.3%	NM	NM	608	546	0	0	0	0
North Dakota	757	813	-7.0%	272	261	485	552	0	0	0	0
South Dakota	615	520	18.4%	80	81	535	439	0	0	0	0
South Atlantic	152	155	-2.0%	4	3	149	152	0	0	0	0
Delaware	0	0	-84.1%	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	27	19	37.6%	0	0	27	19	0	0	0	0
North Carolina	30	25	16.4%	0	0	30	25	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	4	3	30.4%	4	3	0	0	0	0	0	0
West Virginia	92	108	-14.1%	0	0	92	108	0	0	0	0
East South Central	21	NM	NM	0	0	21	NM	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	19	0	--	0	0	19	0	0	0	0	0
Tennessee	NM	NM	NM	0	0	NM	NM	0	0	0	0
West South Central	12,145	12,779	-5.0%	563	253	11,578	12,526	4	NM	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	3,031	2,882	5.2%	549	236	2,482	2,646	0	0	0	0
Texas	9,114	9,897	-7.9%	14	17	9,096	9,880	4	NM	0	0
Mountain	3,324	3,378	-1.6%	780	838	2,544	2,540	NM	NM	0	0
Arizona	218	180	21.3%	0	0	218	180	0	0	0	0
Colorado	1,219	1,153	5.7%	302	299	916	854	0	0	0	0
Idaho	156	121	28.6%	NM	NM	148	113	0	0	0	0
Montana	299	248	20.4%	40	46	259	202	0	0	0	0
Nevada	14	23	-38.6%	0	0	14	23	0	0	0	0
New Mexico	908	1,124	-19.2%	178	235	729	888	NM	NM	0	0
Utah	46	62	-24.9%	0	0	46	62	0	0	0	0
Wyoming	464	467	-0.6%	251	249	213	218	0	0	0	0
Pacific Contiguous	2,479	2,749	-9.8%	519	505	1,959	2,243	0	0	1	1
California	1,202	1,391	-13.6%	108	90	1,093	1,301	0	0	1	1
Oregon	791	879	-10.1%	166	176	625	703	0	0	0	0
Washington	486	479	1.4%	245	240	241	239	0	0	0	0
Pacific Noncontiguous	74	81	-8.8%	NM	NM	69	77	0	0	0	0
Alaska	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Hawaii	67	74	-9.9%	0	0	67	74	0	0	0	0
U.S. Total	28,108	27,903	0.7%	4,585	3,981	23,505	23,908	11	NM	NM	NM

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

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

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

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

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

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

by State, by Sector, Year-to-Date through July 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	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
New England	2,175	2,143	1.5%	119	117	2,039	2,006	16	16	NM	NM
Connecticut	7	6	14.1%	0	0	7	6	0	0	0	0
Maine	1,491	1,489	0.1%	0	0	1,491	1,489	0	0	0	0
Massachusetts	106	114	-7.0%	23	20	69	77	13	13	NM	NM
New Hampshire	259	238	8.9%	0	0	259	238	0	0	0	0
Rhode Island	114	103	10.9%	0	0	111	99	3	4	0	0
Vermont	198	192	3.1%	96	96	102	96	0	0	0	0
Middle Atlantic	5,610	4,841	15.9%	159	118	5,447	4,720	NM	NM	NM	NM
New Jersey	12	12	2.8%	0	0	12	12	0	0	0	0
New York	3,506	2,861	22.5%	159	118	3,344	2,741	NM	NM	NM	NM
Pennsylvania	2,092	1,967	6.3%	0	0	2,092	1,967	0	0	0	0
East North Central	29,948	26,467	13.2%	4,046	3,291	25,822	23,098	18	18	62	60
Illinois	15,057	13,005	15.8%	8	8	15,046	12,995	NM	NM	0	0
Indiana	6,036	5,834	3.4%	0	0	6,036	5,834	0	0	0	0
Michigan	5,872	4,893	20.0%	3,333	2,682	2,540	2,211	0	0	0	0
Ohio	1,779	1,733	2.6%	NM	NM	1,714	1,671	1	2	58	56
Wisconsin	1,204	1,001	20.2%	700	597	487	387	14	14	3	4
West North Central	81,188	74,312	9.3%	30,385	27,858	50,768	46,419	28	27	NM	NM
Iowa	26,788	24,639	8.7%	19,314	17,824	7,472	6,813	1	2	0	0
Kansas	18,344	15,877	15.5%	1,735	1,513	16,592	14,347	NM	NM	NM	NM
Minnesota	9,053	8,553	5.9%	3,456	2,916	5,579	5,620	18	17	0	0
Missouri	4,328	4,039	7.2%	1,803	1,653	2,525	2,386	0	0	0	0
Nebraska	7,287	7,202	1.2%	64	61	7,223	7,141	0	0	0	0
North Dakota	8,782	8,572	2.4%	3,114	3,031	5,667	5,541	0	0	0	0
South Dakota	6,607	5,432	21.6%	898	860	5,709	4,571	0	0	0	0
South Atlantic	1,878	1,951	-3.8%	31	31	1,846	1,918	1	3	0	0
Delaware	1	3	-66.6%	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	332	287	15.7%	0	0	332	287	0	0	0	0
North Carolina	316	339	-6.7%	0	0	316	339	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	31	31	0.8%	31	31	0	0	0	0	0	0
West Virginia	1,199	1,293	-7.3%	0	0	1,199	1,293	0	0	0	0
East South Central	162	16	893.9%	0	0	162	16	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	145	0	--	0	0	145	0	0	0	0	0
Tennessee	17	16	4.3%	0	0	17	16	0	0	0	0
West South Central	101,212	96,507	4.9%	2,846	1,498	98,345	94,981	22	28	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	23,846	22,422	6.4%	2,722	1,374	21,124	21,048	0	0	0	0
Texas	77,366	74,086	4.4%	124	124	77,221	73,933	22	28	0	0
Mountain	32,244	29,922	7.8%	8,131	7,866	24,110	22,053	NM	NM	2	1
Arizona	1,492	1,093	36.6%	0	0	1,492	1,093	0	0	0	0
Colorado	10,236	9,493	7.8%	2,592	2,538	7,643	6,953	0	0	2	1
Idaho	1,661	1,419	17.0%	94	90	1,566	1,330	0	0	0	0
Montana	3,386	2,569	31.8%	548	563	2,838	2,006	0	0	0	0
Nevada	186	200	-7.0%	0	0	186	200	0	0	0	0
New Mexico	9,204	9,447	-2.6%	1,710	1,716	7,493	7,730	NM	NM	0	0
Utah	437	457	-4.4%	0	0	437	457	0	0	0	0
Wyoming	5,641	5,243	7.6%	3,188	2,958	2,454	2,285	0	0	0	0
Pacific Contiguous	20,627	19,947	3.4%	4,000	3,737	16,621	16,203	4	4	3	3
California	9,682	9,494	2.0%	473	459	9,203	9,028	4	4	3	3
Oregon	5,796	5,764	0.6%	980	985	4,816	4,779	0	0	0	0
Washington	5,149	4,689	9.8%	2,547	2,293	2,602	2,397	0	0	0	0
Pacific Noncontiguous	498	457	9.0%	51	48	448	409	0	0	0	0
Alaska	84	80	4.9%	51	48	33	32	0	0	0	0
Hawaii	414	377	9.8%	0	0	414	377	0	0	0	0
U.S. Total	275,543	256,563	7.4%	49,768	44,563	225,608	211,824	91	100	77	76

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

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

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

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

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

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

Table 1.15.A. Utility Scale Facility Net Generation from Biomass  
by State, by Sector, July 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	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
New England	364	424	-14.3%	14	40	255	285	38	43	56	56
Connecticut	42	43	-2.9%	0	0	42	43	0	0	0	0
Maine	132	147	-9.8%	0	0	76	90	0	0	56	56
Massachusetts	80	84	-4.7%	0	0	44	44	36	40	0	0
New Hampshire	64	78	-17.7%	0	0	63	75	2	3	0	0
Rhode Island	21	20	5.0%	0	0	21	20	0	0	0	0
Vermont	24	52	-54.4%	14	40	NM	NM	0	0	0	0
Middle Atlantic	327	333	-1.7%	0	0	179	184	106	105	43	44
New Jersey	55	57	-3.5%	0	0	27	29	29	28	0	0
New York	139	138	0.5%	0	0	68	68	58	58	12	12
Pennsylvania	134	138	-3.2%	0	0	84	88	19	18	30	32
East North Central	353	371	-4.8%	83	80	176	196	7	8	87	86
Illinois	23	24	-5.2%	NM	8	16	16	0	0	0	0
Indiana	30	32	-6.1%	23	23	3	5	0	0	4	4
Michigan	175	187	-6.4%	0	0	123	142	4	4	48	41
Ohio	24	28	-16.0%	0	0	11	11	1	1	12	17
Wisconsin	102	101	1.7%	53	49	24	23	3	4	23	24
West North Central	153	140	9.7%	26	24	45	42	21	13	61	60
Iowa	19	18	5.9%	NM	3	8	8	1	NM	7	7
Kansas	NM	5	NM	0	0	NM	5	0	0	0	0
Minnesota	107	96	10.9%	13	13	29	26	13	7	51	51
Missouri	13	10	25.6%	NM	NM	NM	3	6	4	0	0
Nebraska	7	8	-6.6%	6	6	0	0	1	2	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	NM	NM	NM	0	0	0	0	0	0	NM	NM
South Atlantic	1,339	1,351	-0.8%	146	140	409	450	71	80	713	680
Delaware	6	7	-2.4%	0	0	NM	5	0	0	2	2
District of Columbia	4	5	-7.9%	0	0	0	0	4	5	0	0
Florida	281	293	-4.1%	50	39	87	89	41	41	103	125
Georgia	447	440	1.7%	0	0	160	158	0	0	288	282
Maryland	31	33	-3.9%	0	0	31	33	0	0	0	0
North Carolina	116	141	-17.7%	0	0	33	62	0	0	83	79
South Carolina	169	148	14.3%	NM	5	30	33	0	0	134	110
Virginia	283	284	-0.5%	91	97	62	70	26	35	104	83
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	442	448	-1.2%	NM	8	10	10	0	0	426	430
Alabama	268	263	1.6%	0	0	NM	4	0	0	264	260
Kentucky	37	33	11.8%	NM	8	NM	NM	0	0	29	24
Mississippi	97	108	-10.5%	0	0	NM	NM	0	0	96	107
Tennessee	41	43	-4.6%	0	0	NM	4	0	0	37	38
West South Central	364	377	-3.4%	23	55	21	26	0	-1	320	297
Arkansas	69	58	18.8%	0	0	NM	4	0	0	67	54
Louisiana	170	167	2.0%	0	0	7	7	0	0	163	160
Oklahoma	27	21	28.0%	0	0	NM	NM	0	-1	26	20
Texas	99	132	-24.9%	23	55	10	13	0	0	65	63
Mountain	56	83	-32.3%	NM	NM	38	47	3	4	13	30
Arizona	NM	18	NM	0	0	NM	18	0	0	0	0
Colorado	6	11	-46.3%	0	0	6	11	0	0	0	0
Idaho	19	37	-48.2%	NM	NM	NM	6	3	3	11	28
Montana	3	3	5.8%	NM	NM	0	0	0	0	2	2
Nevada	NM	5	NM	0	0	NM	5	0	0	0	0
New Mexico	1	2	-59.3%	0	0	1	2	0	0	0	0
Utah	7	7	9.3%	0	0	NM	5	NM	1	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	579	617	-6.1%	31	35	311	347	60	65	178	170
California	401	432	-7.3%	5	4	273	309	57	62	66	57
Oregon	84	79	7.2%	NM	5	28	29	2	2	49	42
Washington	94	106	-11.4%	NM	26	9	9	NM	NM	63	71
Pacific Noncontiguous	27	25	8.8%	3	1	9	NM	15	18	0	0
Alaska	4	3	12.7%	0	0	0	0	4	3	0	0
Hawaii	23	22	8.2%	3	1	9	NM	12	15	0	0
U.S. Total	4,006	4,168	-3.9%	335	385	1,452	1,594	321	336	1,897	1,853

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

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

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

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

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



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

by State, by Sector, Year-to-Date through July 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	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
New England	2,445	2,582	-5.3%	130	162	1,708	1,750	263	277	343	392
Connecticut	248	255	-2.9%	0	0	248	255	0	0	0	0
Maine	882	954	-7.5%	0	0	536	556	3	5	343	392
Massachusetts	524	537	-2.4%	0	0	283	286	241	251	0	0
New Hampshire	446	460	-3.1%	0	0	428	439	18	21	0	0
Rhode Island	142	138	2.6%	0	0	142	138	0	0	0	0
Vermont	203	238	-14.7%	130	162	72	76	1	1	0	0
Middle Atlantic	2,191	2,280	-3.9%	0	0	1,186	1,336	710	644	295	301
New Jersey	387	393	-1.5%	0	0	178	198	209	194	0	0
New York	909	955	-4.9%	0	0	447	538	372	337	89	80
Pennsylvania	895	933	-4.0%	0	0	561	599	129	113	206	221
East North Central	2,246	2,419	-7.2%	433	499	1,165	1,281	50	57	598	583
Illinois	151	167	-9.5%	47	57	104	109	0	0	0	0
Indiana	203	216	-6.3%	150	157	26	32	0	0	27	27
Michigan	1,170	1,210	-3.3%	0	0	807	895	26	25	337	290
Ohio	146	190	-23.4%	0	0	69	82	5	5	72	103
Wisconsin	576	636	-9.5%	235	285	160	163	19	27	162	161
West North Central	974	961	1.3%	146	153	296	296	80	77	452	434
Iowa	121	120	1.1%	21	20	53	56	4	5	43	38
Kansas	34	36	-4.9%	0	0	34	36	0	0	0	0
Minnesota	690	674	2.4%	72	75	186	181	41	39	392	379
Missouri	68	64	7.3%	16	16	22	24	28	22	2	2
Nebraska	45	52	-14.4%	38	42	0	0	7	11	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	15	15	2.6%	0	0	0	0	0	0	15	15
South Atlantic	9,129	9,490	-3.8%	802	815	2,812	3,078	495	544	5,019	5,053
Delaware	43	45	-4.0%	0	0	32	33	0	0	11	11
District of Columbia	34	35	-3.6%	0	0	0	0	34	35	0	0
Florida	1,848	2,094	-11.8%	265	253	552	653	238	266	792	923
Georgia	3,067	3,036	1.0%	0	0	1,035	1,034	0	0	2,032	2,002
Maryland	194	186	4.3%	0	0	194	183	0	3	0	0
North Carolina	918	1,006	-8.7%	0	0	355	409	0	0	563	597
South Carolina	1,160	1,173	-1.1%	32	32	205	289	0	0	923	852
Virginia	1,859	1,909	-2.6%	504	530	433	470	223	241	698	668
West Virginia	NM	6	NM	0	0	NM	6	0	0	0	0
East South Central	3,066	3,063	0.1%	45	54	64	66	0	0	2,956	2,944
Alabama	1,857	1,820	2.0%	0	0	24	26	0	0	1,832	1,795
Kentucky	252	244	3.1%	45	54	8	6	0	0	199	184
Mississippi	701	752	-6.8%	0	0	NM	5	0	0	696	747
Tennessee	257	247	4.0%	0	0	27	29	0	0	229	218
West South Central	2,496	2,422	3.1%	129	138	152	177	-1	-5	2,216	2,112
Arkansas	494	442	11.7%	0	0	20	27	0	0	473	415
Louisiana	1,160	1,143	1.5%	0	0	46	48	0	0	1,114	1,095
Oklahoma	192	168	14.3%	0	0	9	10	-1	-5	184	163
Texas	650	668	-2.7%	129	138	76	92	0	0	445	438
Mountain	474	550	-13.9%	13	13	279	314	23	26	159	198
Arizona	112	114	-1.5%	0	0	112	114	0	0	0	0
Colorado	55	77	-28.0%	0	0	55	77	0	0	0	0
Idaho	205	248	-17.4%	8	8	29	37	17	17	151	187
Montana	13	16	-20.9%	NM	5	0	0	0	0	8	11
Nevada	31	33	-4.1%	0	0	31	33	0	0	0	0
New Mexico	14	17	-16.8%	0	0	14	17	0	0	0	0
Utah	43	45	-5.4%	0	0	37	37	6	8	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	3,892	4,173	-6.7%	203	210	2,108	2,288	420	422	1,161	1,254
California	2,715	2,878	-5.7%	25	25	1,862	2,041	397	399	431	414
Oregon	564	549	2.8%	32	33	185	187	17	17	331	312
Washington	613	746	-17.8%	147	152	61	60	6	6	399	528
Pacific Noncontiguous	157	173	-9.3%	12	9	41	59	104	105	0	0
Alaska	24	21	12.5%	0	0	0	0	24	21	0	0
Hawaii	133	152	-12.4%	12	9	41	59	80	83	0	0
U.S. Total	27,068	28,114	-3.7%	1,913	2,054	9,811	10,644	2,144	2,146	13,199	13,270

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

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

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

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

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

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

**Table 1.16.A. Utility Scale Facility Net Generation from Geothermal by State, by Sector, July 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	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 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	350	354	-1.2%	21	20	329	334	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	6	5.9%	0	0	6	6	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	305	312	-2.1%	0	0	305	312	0	0	0	0
New Mexico	1	2	-23.1%	0	0	1	2	0	0	0	0
Utah	37	35	7.2%	21	20	16	15	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	919	926	-0.8%	56	64	863	863	0	0	0	0
California	904	913	-1.0%	56	64	848	849	0	0	0	0
Oregon	15	13	11.6%	0	0	15	13	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	25	23	9.2%	0	0	25	23	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	25	23	9.2%	0	0	25	23	0	0	0	0
U.S. Total	1,293	1,303	-0.8%	77	84	1,217	1,220	0	0	0	0

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

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

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

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

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

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

by State, by Sector, Year-to-Date through July 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	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 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	2,615	2,824	-7.4%	141	165	2,474	2,659	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	43	49	-12.2%	0	0	43	49	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	2,302	2,457	-6.3%	0	0	2,302	2,457	0	0	0	0
New Mexico	18	22	-18.5%	0	0	18	22	0	0	0	0
Utah	252	296	-14.9%	141	165	111	131	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	6,150	6,513	-5.6%	338	332	5,812	6,181	0	0	0	0
California	6,051	6,394	-5.4%	338	332	5,713	6,062	0	0	0	0
Oregon	99	119	-16.7%	0	0	99	119	0	0	0	0
Washington	0	0	--	0	0	0	0	0	0	0	0
Pacific Noncontiguous	168	197	-14.7%	0	0	168	197	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	168	197	-14.7%	0	0	168	197	0	0	0	0
U.S. Total	8,933	9,534	-6.3%	479	496	8,454	9,037	0	0	0	0

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

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

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

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

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

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



Table 1.17.A. Net Generation from Solar Photovoltaic by State, by Sector, July 2024 and 2023 (Thousand Megawatthours)

Census Division and State	All Sectors						Electric Power Sector				Commercial Sector						Industrial Sector				Residential Sector					
	Estimated Generation From Utility and Small Scale Facilities			Generation at Utility Scale Facilities		Estimated Small Scale Generation		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Estimated Generation From Utility and Small Scale Facilities		Generation at Utility Scale Facilities		Estimated Small Scale Generation		Generation at Utility Scale Facilities		Estimated Small Scale Generation						
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023					
New England	1,376	1,148	19.8%	503	414	872	733	17	16	484	395	NM	NM	NM	NM	472	387	NM	NM	NM	NM	18	23	382	323	
Connecticut	214	185	15.2%	53	47	160	138	0	0	52	46	NM	NM	NM	NM	47	43	NM	NM	NM	NM	7	6	107	89	
Maine	243	134	80.5%	132	68	110	66	0	0	132	68	93	55	0	0	93	55	0	0	0	0	0	0	0	17	12
Massachusetts	679	625	8.6%	223	224	457	402	9	9	212	213	NM	NM	NM	NM	258	222	NM	NM	NM	NM	9	15	189	164	
New Hampshire	NM	34	NM	NM	NM	40	33	0	0	NM	NM	12	12	0	0	12	12	1	1	0	0	1	1	27	20	
Rhode Island	145	118	23.1%	69	51	76	66	0	0	69	51	51	45	0	0	51	45	1	1	0	0	1	1	24	21	
Vermont	55	51	6.4%	26	24	29	28	8	7	18	17	11	11	0	0	11	11	0	0	0	0	0	0	18	16	
Middle Atlantic	1,695	1,471	15.3%	698	508	997	963	13	13	665	475	476	461	18	18	458	443	NM	NM	NM	NM	31	36	507	484	
New Jersey	556	567	-2.0%	183	181	373	386	13	13	153	152	168	185	16	16	152	169	NM	NM	NM	NM	22	24	200	193	
New York	879	740	18.8%	368	281	511	458	0	0	365	279	NM	NM	NM	NM	279	245	NM	NM	NM	NM	3	2	230	211	
Pennsylvania	261	164	59.0%	148	45	113	119	0	0	146	43	NM	NM	NM	NM	28	29	NM	NM	NM	NM	7	10	78	80	
East North Central	2,188	1,331	64.5%	1,780	995	408	335	561	299	1,217	695	NM	NM	NM	NM	183	161	NM	11	NM	0	13	11	213	163	
Illinois	505	393	28.4%	284	216	220	177	0	0	284	216	NM	NM	NM	NM	101	90	NM	1	NM	0	NM	1	119	86	
Indiana	384	315	21.9%	339	274	45	40	214	164	125	110	NM	NM	NM	NM	24	22	2	2	0	0	2	2	18	16	
Michigan	276	197	40.0%	233	161	43	36	8	9	224	152	NM	NM	NM	NM	16	13	NM	1	0	0	NM	1	27	22	
Ohio	592	224	164.8%	535	175	57	49	NM	NM	533	173	NM	NM	NM	NM	24	22	6	5	0	0	6	5	27	21	
Wisconsin	432	202	113.6%	389	168	43	34	337	125	51	43	NM	NM	NM	NM	18	14	4	3	0	0	3	3	22	17	
West North Central	620	514	20.6%	415	338	205	177	64	49	341	289	75	60	0	0	75	60	18	6	10	0	7	6	123	110	
Iowa	118	110	7.1%	66	65	53	45	37	36	28	30	27	23	0	0	27	23	2	2	0	0	2	2	24	20	
Kansas	27	24	13.7%	10	10	17	14	NM	NM	8	8	5	4	0	0	5	4	0	0	0	0	0	0	12	9	
Minnesota	287	272	5.5%	240	234	47	38	17	7	213	226	13	10	0	0	13	10	13	3	10	0	3	3	31	26	
Missouri	99	93	6.6%	18	19	81	74	7	3	11	16	28	22	0	0	28	22	2	1	0	0	2	1	51	51	
Nebraska	32	15	119.6%	26	9	6	5	NM	NM	25	8	1	1	0	0	1	1	0	0	0	0	0	0	4	4	
North Dakota	NM	0	NM	0	0	NM	0	0	0	0	0	NM	0	0	0	NM	0	0	0	0	0	0	0	0	0	
South Dakota	57	1	NM	56	NM	1	0	0	0	56	NM	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
South Atlantic	6,098	5,252	16.1%	5,141	4,452	956	801	2,090	1,641	3,035	2,793	160	135	15	16	145	119	NM	NM	NM	NM	43	44	768	638	
Delaware	41	38	8.0%	19	18	22	20	NM	NM	17	17	NM	NM	NM	NM	4	4	NM	NM	NM	0	NM	NM	17	15	
District of Columbia	31	24	31.4%	5	3	27	21	NM	NM	5	3	9	8	0	0	9	8	0	0	0	0	0	0	0	17	14
Florida	2,188	1,690	29.5%	1,765	1,340	423	349	1,663	1,256	101	84	NM	NM	NM	NM	30	25	NM	NM	NM	NM	6	7	387	317	
Georgia	924	849	8.9%	869	797	56	51	60	66	809	731	NM	NM	NM	NM	9	8	NM	NM	0	0	NM	NM	21	18	
Maryland	286	261	9.7%	121	111	165	150	NM	NM	118	108	NM	34	NM	2	34	32	3	3	0	0	3	3	128	115	
North Carolina	1,348	1,345	0.2%	1,260	1,271	88	74	112	83	1,135	1,176	32	30	12	13	20	18	2	2	0	0	2	2	66	55	
South Carolina	376	362	3.9%	311	302	65	59	NM	NM	310	301	12	11	0	0	12	11	NM	NM	NM	NM	4	4	48	44	
Virginia	868	680	27.7%	763	609	105	71	248	234	515	375	NM	NM	NM	NM	25	13	1	1	0	0	1	1	79	57	
West Virginia	35	5	607.6%	29	0	6	5	NM	0	25	0	1	1	0	0	1	1	0	0	0	0	0	0	5	4	
East South Central	443	351	26.2%	412	326	31	25	13	27	398	298	NM	NM	NM	NM	12	10	1	1	1	1	1	1	18	14	
Alabama	NM	133	NM	124	131	NM	NM	NM	3	121	129	NM	NM	0	0	NM	NM	0	0	0	0	0	0	0	NM	NM
Kentucky	48	29	68.9%	30	15	18	14	5	5	26	10	NM	NM	NM	NM	4	3	0	0	0	0	0	0	13	10	
Mississippi	145	66	118.8%	141	64	3	2	5	19	136	45	1	1	0	0	1	1	NM	0	0	0	NM	0	2	1	
Tennessee	124	123	0.6%	116	116	8	7	NM	NM	114	114	NM	NM	NM	NM	5	5	1	NM	1	1	0	NM	3	2	
West South Central	5,189	3,974	30.6%	4,579	3,458	611	516	43	34	4,532	3,420	82	73	2	3	79	70	NM	NM	NM	NM	7	4	524	441	
Arkansas	291	109	166.2%	238	66	53	43	29	21	206	43	22	18	2	2	20	16	NM	NM	NM	NM	7	4	27	23	
Louisiana	161	63	154.9%	128	34	34	29	4	4	123	29	3	2	0	0	3	2	0	0	0	0	0	0	31	27	
Oklahoma	69	24	186.4%	44	8	24	16	8	7	36	NM	3	2	0	0	3	2	1	0	0	0	1	0	21	14	
Texas	4,669	3,778	23.6%	4,169	3,350	500	427	NM	NM	4,166	3,347	NM	NM	NM	NM	53	49	NM	NM	NM	NM	0	0	446	378	
Mountain	5,511	4,139	33.2%	4,406	3,185	1,106	953	219	169	4,170	3,002	204	153	9	10	195	143	27	20	8	4	19	15	892	795	
Arizona	1,578	1,127	40.1%	1,102	707	477	420	76	63	1,020	637	NM	NM	NM	NM	107	63	NM	NM	NM	NM	1	1	369	356	
Colorado	753	619	21.7%	552	451	202	168	NM	NM	546	447	NM	NM	NM	NM	40	36	NM	3	NM	0	6	3	155	129	
Idaho	169	144	17.7%	137	116	32	28	32	33	105	83	2	2	0	0	2	2	NM	NM	NM	NM	3	3	27	23	
Montana	63	38	66.0%	50	29	13	9	0	0	50	29	2	2	0	0	2	2	0	0	0	0	0	0	11	7	
Nevada	1,657	1,269	30.5%	1,453	1,102	204	167	60	21	1,387	1,075	18	18	5	5	13	13	NM	NM	NM	NM	7	6	184	148	
New Mexico	526	347	51.8%	454	283	72	64	46	49	408	234	14	13	0	0	14	13	0	0	0	0	0	0	58	51	
Utah	700	570	22.8%	597	476	103	94	4	NM	592	475	16	14	0	0	16	14	NM	1	NM	0	1	1	85	78	
Wyoming	65	25	155.2%	61	22	4	3	0	0	61	22	0	0	0	0	0	0	0	0	0	0	0	0	3	3	
Pacific Contiguous	9,004	7,864	14.5%	5,517	4,756	3,488	3,108	36	41	5,430	4,667	726	653	23	23	704	630	375	349	28						



Table 1.17.B. Net Generation from Solar Photovoltaic by State, by Sector, Year-to-Date through July 2024 and 2023 (Thousand Megawatthours)

Census Division and State	All Sectors							Electric Power Sector				Commercial Sector						Industrial Sector				Residential Sector			
	Estimated Generation From Utility and Small Scale Facilities			Generation at Utility Scale Facilities		Estimated Small Scale Generation		Generation at Utility Scale Facilities		Generation at Utility Scale Facilities		Estimated Generation From Utility and Small Scale Facilities		Generation at Utility Scale Facilities		Estimated Small Scale Generation		Estimated Generation From Utility and Small Scale Facilities		Generation at Utility Scale Facilities		Estimated Small Scale Generation		Estimated Small Scale Generation	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
New England	7,605	6,357	19.6%	2,720	2,215	4,885	4,143	91	89	2,613	2,110	2,636	2,209	10	9	2,626	2,200	130	140	6	6	124	134	2,135	1,809
Connecticut	1,198	1,037	15.6%	299	266	899	771	1	0	291	258	273	249	4	4	269	245	41	37	NM	NM	38	34	592	492
Maine	1,186	695	70.7%	588	339	599	356	0	0	588	339	506	290	0	0	506	290	0	0	0	0	0	0	92	66
Massachusetts	3,839	3,515	9.2%	1,304	1,207	2,535	2,308	53	52	1,242	1,147	1,403	1,287	6	6	1,397	1,281	74	90	3	3	72	87	1,066	939
New Hampshire	228	186	22.4%	NM	2	226	184	0	0	NM	2	71	66	0	0	71	66	8	7	0	0	8	7	148	110
Rhode Island	854	646	32.2%	390	276	465	370	0	0	390	276	322	256	0	0	322	256	6	4	0	0	6	4	137	110
Vermont	298	278	7.1%	137	124	161	154	37	37	100	87	61	61	0	0	61	61	1	1	0	0	1	1	99	92
Middle Atlantic	9,406	8,054	16.8%	3,734	2,676	5,672	5,378	79	69	3,533	2,495	2,729	2,608	108	98	2,621	2,510	206	224	14	14	192	210	2,859	2,658
New Jersey	3,197	3,203	-0.2%	1,085	980	2,112	2,223	79	69	905	821	977	1,066	98	88	879	978	130	141	3	3	127	138	1,105	1,106
New York	4,789	3,972	20.6%	1,949	1,472	2,840	2,500	0	0	1,937	1,460	1,562	1,374	5	6	1,556	1,369	21	18	7	7	14	12	1,270	1,119
Pennsylvania	1,420	879	61.6%	700	223	720	656	0	0	691	214	190	167	5	4	186	163	55	65	4	5	51	60	484	432
East North Central	10,470	6,307	66.0%	8,293	4,511	2,177	1,795	2,555	1,130	5,725	3,373	995	904	8	7	987	897	74	59	4	1	70	59	1,120	840
Illinois	2,682	2,123	26.3%	1,522	1,170	1,160	953	1	1	1,519	1,168	547	524	NM	NM	546	524	4	3	NM	0	3	3	611	426
Indiana	1,833	1,267	44.6%	1,587	1,043	246	224	1,007	487	579	556	133	122	NM	NM	132	121	12	8	0	0	12	8	102	95
Michigan	1,382	1,021	35.4%	1,162	833	220	188	47	47	1,114	785	84	68	NM	NM	82	67	4	3	0	0	4	3	134	118
Ohio	2,585	926	179.1%	2,269	671	316	255	5	4	2,260	663	138	118	3	3	134	115	33	28	1	1	32	27	150	114
Wisconsin	1,987	969	105.0%	1,752	794	235	176	1,495	591	254	201	94	72	NM	NM	92	71	22	17	2	0	20	17	123	88
West North Central	3,344	2,703	23.7%	2,170	1,749	1,174	954	343	247	1,770	1,502	414	330	0	0	414	330	98	36	57	0	41	36	720	589
Iowa	663	569	16.6%	373	334	290	234	215	190	158	144	121	0	0	144	121	10	9	0	0	10	9	136	104	
Kansas	153	123	24.3%	50	48	103	75	12	8	38	40	30	24	0	0	30	24	2	1	0	0	2	1	71	51
Minnesota	1,606	1,401	14.6%	1,358	1,207	248	194	85	24	1,215	1,183	66	52	0	0	66	52	72	15	57	0	15	15	167	128
Missouri	597	525	13.6%	107	107	489	418	26	19	81	88	164	126	0	0	164	126	11	9	0	0	11	9	315	284
Nebraska	141	80	76.8%	104	51	37	29	5	5	100	46	8	7	0	0	8	7	2	2	0	0	2	2	27	20
North Dakota	2	2	23.6%	0	2	2	0	0	0	0	0	1	1	0	0	1	1	0	0	0	0	0	0	1	1
South Dakota	182	3	NM	178	NM	5	2	0	0	178	NM	2	0	0	0	2	0	0	0	0	0	0	0	3	1
South Atlantic	36,904	30,381	21.5%	30,977	25,586	5,927	4,795	12,957	10,224	17,923	15,267	992	817	89	89	903	728	290	267	8	6	282	262	4,742	3,806
Delaware	228	218	4.7%	98	101	130	117	4	4	90	95	25	23	NM	NM	23	22	12	8	NM	0	9	8	97	87
District of Columbia	175	139	26.5%	21	15	154	123	NM	NM	20	15	55	45	0	0	55	45	0	0	0	0	0	0	100	79
Florida	14,078	10,787	30.5%	11,325	8,597	2,753	2,189	10,648	8,050	671	541	207	168	4	4	203	165	50	36	NM	2	47	34	2,502	1,991
Georgia	5,677	4,840	17.3%	5,338	4,526	339	315	334	385	5,002	4,140	55	47	NM	NM	54	46	162	161	0	0	162	161	123	108
Maryland	1,607	1,456	10.4%	669	586	937	870	5	5	652	568	206	212	12	13	194	199	20	19	0	0	20	19	723	652
North Carolina	7,949	7,282	9.2%	7,410	6,830	540	451	547	454	6,794	6,308	194	178	69	68	125	110	13	10	0	0	13	10	402	331
South Carolina	2,256	1,997	13.0%	1,853	1,637	403	360	5	5	1,844	1,629	75	69	0	0	75	69	29	29	3	3	26	25	303	265
Virginia	4,783	3,636	31.6%	4,149	3,293	634	342	1,389	1,322	2,759	1,970	166	68	NM	NM	165	67	4	4	0	0	4	4	465	271
West Virginia	151	28	437.1%	114	0	37	28	24	0	90	0	9	6	0	0	9	6	2	1	0	0	2	1	27	21
East South Central	2,361	1,865	26.6%	2,180	1,719	181	146	133	154	2,039	1,558	76	66	4	4	72	62	7	7	3	4	4	3	106	81
Alabama	744	709	4.8%	728	697	16	13	16	15	712	682	10	8	0	0	10	8	2	1	0	0	2	1	4	3
Kentucky	213	170	25.5%	115	93	98	77	27	26	87	65	25	21	NM	NM	24	20	2	1	0	0	2	1	73	56
Mississippi	687	378	82.0%	668	364	19	14	90	111	578	253	6	6	0	0	6	6	0	0	0	0	0	0	13	8
Tennessee	717	609	17.9%	670	566	47	43	NM	NM	662	558	34	31	3	3	32	29	3	4	3	4	0	0	16	14
West South Central	26,848	19,217	39.7%	23,177	16,310	3,671	2,907	233	218	22,878	16,071	547	407	57	13	490	394	49	32	10	8	39	25	3,141	2,489
Arkansas	1,427	637	123.9%	1,138	404	288	233	154	145	971	246	113	99	11	11	102	88	39	25	NM	2	36	23	150	122
Louisiana	706	359	96.5%	491	176	215	183	24	24	466	152	17	15	0	0	17	15	0	0	0	0	0	0	198	168
Oklahoma	272	128	112.7%	142	44	130	84	45	42	97	NM	16	13	0	0	16	13	2	1	0	0	2	1	112	70
Texas	24,443	18,092	35.1%	21,406	15,686	3,037	2,406	9	8	21,344	15,670	401	280	46	2	355	278	8	5	7	5	1	0	2,682	2,128
Mountain	29,034	21,996	32.0%	22,302	16,215	6,733	5,781	1,111	893	21,095	15,245	1,018	942	55	53	963	889	159	116	41	24	118	92	5,652	4,801
Arizona	8,491	6,622	28.2%	5,513	3,967	2,978	2,655	419	344	5,063	3,592	449	417	15	15	434	402	25	24	16	16	9	8	2,535	2,245
Colorado	4,273	2,885	48.1%	3,062	1,903	1,210	983	8	8	3,031	1,884	253	234	11	11	242	223	51	16	13	0	38	16	930	744
Idaho	792	663	19.4%	625	523	166	140	171	166	452	355	9	8	0	0	9	8	20	19	NM	NM	18	17	138	115
Montana	292	158	85.2%	228	113	64	45	0	0	228	113	12	10	0	0	12	10	0	0	0	0	0	0	52	35
Nevada	8,518	6,857	24.2%	7,302	5,864	1,216	993	23																	

**Table 1.18.A. Utility Scale Facility Net Generation from Solar Thermal by State, by Sector, July 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	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 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	119	109	9.4%	0	0	119	109	0	0	0	0
Arizona	90	88	2.4%	0	0	90	88	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	29	21	39.5%	0	0	29	21	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	NM	NM	0	0	NM	NM	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	243	271	-10.6%	0	0	243	271	0	0	0	0
California	243	271	-10.6%	0	0	243	271	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	362	380	-4.9%	0	0	362	380	0	0	0	0

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

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

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

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

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

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

by State, by Sector, Year-to-Date through July 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	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 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	663	563	17.7%	0	0	663	563	0	0	0	0
Arizona	504	483	4.5%	0	0	504	483	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	156	78	99.7%	0	0	156	78	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	NM	NM	NM	0	0	NM	NM	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	1,280	1,125	13.8%	0	0	1,280	1,125	0	0	0	0
California	1,280	1,125	13.8%	0	0	1,280	1,125	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	1,942	1,687	15.1%	0	0	1,942	1,687	0	0	0	0

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

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

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

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

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

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

## Chapter 2

# Consumption of Fossil Fuels



**Table 2.1.A. Coal: Consumption for Electricity Generation, by Sector, 2014-July 2024 (Thousand Tons)**

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
2014	853,634	624,235	224,568	202	4,629
2015	739,594	539,506	195,927	163	3,999
2016	677,371	496,192	178,047	111	3,021
2017	663,911	484,389	176,643	95	2,783
2018	636,213	473,617	159,976	87	2,534
2019	537,620	399,545	135,838	76	2,161
2020	435,351	325,352	108,125	72	1,802
2021	500,367	372,694	125,920	87	1,666
2022	471,576	349,320	120,514	87	1,655
2023	386,601	290,887	94,165	66	1,484
<b>Year 2022</b>					
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
<b>Year 2023</b>					
January	35,469	27,335	7,993	7	134
February	26,887	20,036	6,727	6	118
March	28,612	21,189	7,301	5	117
April	22,864	16,126	6,617	6	115
May	25,567	18,503	6,937	6	121
June	33,457	26,075	7,255	3	124
July	44,484	34,595	9,750	4	136
August	43,865	33,990	9,744	4	127
Sept	34,207	26,163	7,917	5	122
October	29,616	21,990	7,494	7	124
November	29,605	21,122	8,358	6	119
December	31,968	23,763	8,073	7	126
<b>Year 2024</b>					
January	42,396	32,405	9,850	9	131
February	25,891	20,140	5,622	6	123
March	22,241	17,467	4,635	6	133
April	21,203	15,741	5,355	4	103
May	26,448	20,230	6,097	2	120
June	34,479	26,824	7,527	3	124
July	40,510	31,218	9,152	5	135
<b>Year to Date</b>					
2022	280,313	206,637	72,638	43	995
2023	217,341	163,858	52,579	38	866
2024	213,167	164,025	48,238	36	868
<b>Rolling 12 Months Ending in July</b>					
2023	408,604	306,541	100,454	82	1,526
2024	382,427	291,053	89,824	64	1,486

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

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.

See the Technical Notes for fuel conversion factors.

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

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

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

**Table 2.1.B. Coal: Consumption for Useful Thermal Output, by Sector, 2014-July 2024 (Thousand Tons)**

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
2014	18,107	978	1,821	861	14,448
2015	16,632	1,032	1,980	635	12,985
2016	16,586	2,979	1,336	572	11,700
2017	14,667	2,802	1,158	515	10,192
2018	13,813	2,268	1,356	490	9,700
2019	12,397	2,062	1,161	443	8,731
2020	10,402	1,635	715	401	7,651
2021	11,301	2,153	667	447	8,034
2022	11,356	2,269	731	448	7,908
2023	9,587	1,554	566	343	7,124
<b>Year 2022</b>					
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
<b>Year 2023</b>					
January	952	155	66	39	692
February	811	124	47	34	606
March	850	139	63	31	617
April	749	86	45	30	589
May	785	117	43	26	599
June	763	115	50	23	575
July	802	166	37	23	576
August	753	154	38	24	536
Sept	766	145	38	25	558
October	758	110	51	27	571
November	781	116	43	29	593
December	816	126	43	34	612
<b>Year 2024</b>					
January	948	156	53	47	692
February	790	128	38	33	590
March	898	126	53	31	687
April	734	112	32	27	563
May	686	94	31	17	543
June	722	109	29	26	558
July	759	128	25	27	579
<b>Year to Date</b>					
2022	6,633	1,294	446	243	4,650
2023	5,713	903	352	204	4,254
2024	5,536	855	260	208	4,212
<b>Rolling 12 Months Ending in July</b>					
2023	10,435	1,878	637	409	7,512
2024	9,409	1,505	474	347	7,083

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

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.

See the Technical Notes for fuel conversion factors.

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

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

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

**Table 2.1.C. Coal: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2014-July 2024 (Thousand Tons)**

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
2014	871,741	625,212	226,389	1,063	19,076
2015	756,226	540,538	197,906	798	16,984
2016	693,958	499,172	179,383	683	14,720
2017	678,578	487,192	177,801	610	12,975
2018	650,027	475,885	161,332	577	12,233
2019	550,017	401,607	136,998	519	10,892
2020	445,753	326,987	108,840	473	9,453
2021	511,669	374,848	126,587	534	9,700
2022	482,931	351,589	121,245	535	9,563
2023	396,188	292,440	94,730	409	8,608
<b>Year 2022</b>					
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
<b>Year 2023</b>					
January	36,421	27,490	8,059	46	826
February	27,698	20,160	6,774	40	724
March	29,462	21,328	7,364	37	734
April	23,614	16,212	6,661	36	704
May	26,353	18,620	6,980	31	720
June	34,220	26,191	7,305	25	699
July	45,286	34,761	9,787	27	711
August	44,618	34,144	9,782	28	663
Sept	34,973	26,308	7,955	30	680
October	30,374	22,100	7,546	33	695
November	30,386	21,238	8,401	35	712
December	32,784	23,889	8,116	40	738
<b>Year 2024</b>					
January	43,343	32,561	9,902	56	823
February	26,681	20,268	5,660	40	713
March	23,139	17,593	4,688	37	820
April	21,937	15,853	5,387	31	665
May	27,134	20,324	6,128	19	663
June	35,201	26,933	7,556	29	682
July	41,269	31,347	9,177	31	714
<b>Year to Date</b>					
2022	286,946	207,931	73,084	286	5,645
2023	223,054	164,762	52,930	242	5,120
2024	218,703	164,879	48,499	244	5,081
<b>Rolling 12 Months Ending in July</b>					
2023	419,039	308,419	101,091	490	9,038
2024	391,837	292,558	90,298	411	8,569

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

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Coal includes anthracite, bituminous, subbituminous, lignite, and waste coal; synthetic coal and refined coal; and beginning in 2011, coal-derived synthesis gas. Prior to 2011 coal-derived synthesis gas was included in Other Gases.

See the Technical Notes for fuel conversion factors.

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

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

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

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

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
2014	31,531	19,652	10,689	451	739
2015	28,925	18,562	9,473	249	641
2016	22,405	16,137	5,624	108	536
2017	21,696	15,567	5,461	191	476
2018	28,614	18,345	9,467	269	534
2019	20,836	15,677	4,464	251	444
2020	18,008	13,913	3,447	238	410
2021	21,633	16,850	4,102	250	432
2022	28,760	18,375	9,474	254	657
2023	20,712	15,679	4,303	186	546
<b>Year 2022</b>					
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
<b>Year 2023</b>					
January	1,789	1,405	303	21	59
February	2,003	1,292	651	17	43
March	1,713	1,280	365	16	52
April	1,578	1,214	307	NM	46
May	1,699	1,284	358	16	42
June	1,610	1,291	258	12	49
July	1,687	1,234	393	14	46
August	1,754	1,387	307	15	45
Sept	1,643	1,231	361	13	39
October	1,735	1,329	350	14	42
November	1,723	1,335	330	16	42
December	1,779	1,396	320	22	41
<b>Year 2024</b>					
January	2,782	1,992	710	24	56
February	1,423	1,144	211	13	55
March	1,459	1,142	259	17	40
April	1,580	1,166	349	17	46
May	1,664	1,271	330	18	44
June	1,639	1,201	376	21	41
July	1,799	1,277	472	8	43
<b>Year to Date</b>					
2022	15,735	9,902	5,356	153	324
2023	12,078	9,001	2,633	107	337
2024	12,346	9,194	2,708	119	325
<b>Rolling 12 Months Ending in July</b>					
2023	25,103	17,473	6,751	NM	671
2024	20,980	15,872	4,377	198	534

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

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.

See the Technical Notes for fuel conversion factors.

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

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

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



**Table 2.2.B. Petroleum Liquids: Consumption for Useful Thermal Output, by Sector, 2014-July 2024 (Thousand Barrels)**

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
2014	3,099	64	1,170	216	1,650
2015	3,142	62	1,155	282	1,643
2016	2,277	68	245	245	1,719
2017	2,012	72	220	238	1,482
2018	2,614	103	354	350	1,807
2019	2,162	71	226	419	1,446
2020	1,730	59	179	269	1,223
2021	2,072	80	278	330	1,384
2022	4,181	106	403	495	3,177
2023	3,304	71	330	372	2,531
<b>Year 2022</b>					
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
<b>Year 2023</b>					
January	388	6	35	57	290
February	288	8	29	26	225
March	350	5	26	27	292
April	278	5	29	NM	234
May	225	8	26	12	178
June	218	6	26	18	169
July	210	5	25	18	162
August	222	5	23	18	176
Sept	222	4	25	21	172
October	238	7	32	19	179
November	267	6	25	38	199
December	398	5	29	109	255
<b>Year 2024</b>					
January	508	20	25	86	377
February	274	4	19	44	207
March	303	4	21	65	213
April	276	6	20	42	208
May	302	5	24	61	213
June	314	5	26	67	216
July	192	5	23	8	155
<b>Year to Date</b>					
2022	2,350	67	228	293	1,762
2023	1,956	43	195	167	1,550
2024	2,169	50	159	372	1,588
<b>Rolling 12 Months Ending in July</b>					
2023	3,787	82	370	NM	2,966
2024	3,517	77	293	577	2,569

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

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.

See the Technical Notes for fuel conversion factors.

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

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

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

**Table 2.2.C. Petroleum Liquids: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2014-July 2024 (Thousand Barrels)**

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
2014	34,630	19,716	11,859	667	2,389
2015	32,067	18,624	10,629	531	2,283
2016	24,682	16,205	5,869	352	2,255
2017	23,708	15,640	5,681	429	1,958
2018	31,228	18,448	9,820	619	2,341
2019	22,998	15,748	4,690	670	1,890
2020	19,738	13,972	3,626	507	1,633
2021	23,705	16,929	4,379	580	1,816
2022	32,940	18,480	9,877	749	3,835
2023	24,016	15,749	4,632	557	3,077
<b>Year 2022</b>					
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
<b>Year 2023</b>					
January	2,177	1,412	337	78	350
February	2,291	1,300	680	42	268
March	2,063	1,286	390	43	344
April	1,856	1,219	336	NM	280
May	1,923	1,291	384	28	220
June	1,828	1,297	283	30	218
July	1,897	1,239	418	32	208
August	1,976	1,392	330	32	221
Sept	1,866	1,234	386	34	211
October	1,973	1,336	383	33	221
November	1,990	1,341	355	54	241
December	2,177	1,401	350	130	296
<b>Year 2024</b>					
January	3,291	2,012	736	109	434
February	1,698	1,148	230	58	262
March	1,762	1,146	281	81	253
April	1,855	1,173	369	59	254
May	1,966	1,276	354	79	257
June	1,953	1,206	401	88	257
July	1,991	1,282	495	17	197
<b>Year to Date</b>					
2022	18,085	9,969	5,585	446	2,085
2023	14,034	9,044	2,829	274	1,887
2024	14,515	9,244	2,866	491	1,914
<b>Rolling 12 Months Ending in July</b>					
2023	28,890	17,555	7,121	NM	3,637
2024	24,497	15,949	4,670	775	3,103

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

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Petroleum Liquids includes distillate and residual fuel oils, jet fuel, kerosene, waste oil, and beginning in 2011, propane. Prior to 2011 propane was included in Other Gases.

See the Technical Notes for fuel conversion factors.

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

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

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

**Table 2.3.A. Petroleum Coke: Consumption for Electricity Generation, by Sector, 2014-July 2024 (Thousand Tons)**

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
2014	4,412	3,440	599	2	371
2015	4,044	3,120	669	2	253
2016	4,253	3,427	591	2	233
2017	3,490	2,731	542	3	214
2018	3,623	2,740	704	2	177
2019	2,724	2,067	478	1	177
2020	3,077	2,260	658	1	158
2021	3,070	2,323	618	1	127
2022	2,985	2,271	578	3	132
2023	1,848	1,328	416	1	103
<b>Year 2022</b>					
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
<b>Year 2023</b>					
January	163	116	37	0	10
February	135	107	20	0	8
March	115	73	NM	0	12
April	107	74	NM	0	7
May	117	76	34	0	8
June	147	107	33	0	7
July	252	196	44	0	11
August	254	197	47	0	10
Sept	226	175	42	0	9
October	121	76	38	0	7
November	87	49	32	0	6
December	123	81	34	0	8
<b>Year 2024</b>					
January	134	95	31	0	8
February	104	69	29	0	6
March	59	22	30	0	7
April	96	66	22	0	7
May	116	83	26	0	7
June	155	115	NM	0	8
July	170	131	NM	0	8
<b>Year to Date</b>					
2022	1,677	1,259	339	2	76
2023	1,036	750	223	0	63
2024	833	581	201	1	50
<b>Rolling 12 Months Ending in July</b>					
2023	2,344	1,763	NM	1	119
2024	1,645	1,159	NM	1	90

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

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases. See the Technical Notes for fuel conversion factors.

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

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

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

**Table 2.3.B. Petroleum Coke: Consumption for Useful Thermal Output, by Sector, 2014-July 2024 (Thousand Tons)**

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
2014	1,283	3	90	16	1,174
2015	1,144	9	109	16	1,010
2016	1,099	6	113	9	971
2017	977	11	115	15	836
2018	929	12	93	10	814
2019	839	17	93	6	724
2020	780	16	124	3	637
2021	760	21	113	6	621
2022	718	23	92	13	589
2023	631	8	111	3	509
<b>Year 2022</b>					
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
<b>Year 2023</b>					
January	43	1	8	1	33
February	48	1	23	0	24
March	58	2	NM	0	46
April	50	2	NM	0	40
May	56	0	8	0	48
June	51	0	6	0	44
July	54	1	8	0	46
August	61	1	9	0	51
Sept	53	0	7	0	46
October	56	0	8	0	48
November	49	0	8	0	41
December	53	0	8	1	43
<b>Year 2024</b>					
January	54	0	8	1	44
February	40	0	8	1	32
March	40	0	8	0	32
April	46	0	5	0	41
May	47	1	7	1	38
June	51	0	NM	1	41
July	53	0	NM	0	44
<b>Year to Date</b>					
2022	409	15	51	11	332
2023	360	7	71	2	280
2024	330	1	53	4	273
<b>Rolling 12 Months Ending in July</b>					
2023	669	15	NM	4	537
2024	602	2	NM	5	501

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

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Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases. See the Technical Notes for fuel conversion factors.

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

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

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



**Table 2.3.C. Petroleum Coke: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2014-July 2024 (Thousand Tons)**

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
2014	5,695	3,443	689	18	1,545
2015	5,188	3,128	779	18	1,263
2016	5,352	3,433	705	10	1,204
2017	4,467	2,742	657	17	1,050
2018	4,552	2,752	797	12	991
2019	3,563	2,083	571	7	900
2020	3,856	2,276	782	4	795
2021	3,830	2,344	731	7	748
2022	3,702	2,294	671	16	721
2023	2,479	1,336	527	4	612
<b>Year 2022</b>					
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
<b>Year 2023</b>					
January	206	116	46	2	42
February	184	108	43	0	32
March	173	75	NM	0	59
April	157	77	NM	0	47
May	173	76	42	0	55
June	198	107	39	0	51
July	306	197	52	0	57
August	315	197	56	0	61
Sept	278	175	49	0	54
October	177	76	46	0	55
November	136	49	40	0	47
December	176	81	42	1	51
<b>Year 2024</b>					
January	188	95	39	2	52
February	144	69	36	1	38
March	99	22	38	0	39
April	142	66	28	0	48
May	163	84	32	1	45
June	206	115	NM	1	49
July	223	131	NM	0	52
<b>Year to Date</b>					
2022	2,086	1,273	390	14	408
2023	1,396	757	294	2	343
2024	1,164	582	254	5	323
<b>Rolling 12 Months Ending in July</b>					
2023	3,013	1,778	NM	5	656
2024	2,246	1,161	NM	6	592

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

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

Petroleum Coke includes petroleum coke-derived synthesis gas. Prior to 2011, petroleum coke-derived synthesis gas was included in Other Gases. See the Technical Notes for fuel conversion factors.

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

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

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

**Table 2.4.A. Natural Gas: Consumption for Electricity Generation, by Sector, 2014-July 2024 (Million Cubic Feet)**

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
2014	8,544,387	3,895,008	3,954,032	71,957	623,390
2015	10,016,576	4,745,255	4,576,683	70,092	624,545
2016	10,170,110	5,018,894	4,571,375	46,304	533,537
2017	9,508,062	4,754,893	4,161,984	50,060	541,126
2018	10,842,129	5,560,267	4,663,935	52,650	565,276
2019	11,612,858	5,980,679	4,958,798	55,575	617,805
2020	11,928,104	6,196,152	5,061,569	51,827	618,556
2021	11,502,569	5,876,442	4,995,247	45,537	585,343
2022	12,384,098	6,376,042	5,364,051	48,658	595,347
2023	13,223,128	6,789,584	5,779,618	50,985	602,940
<b>Year 2022</b>					
January	972,571	499,668	416,488	3,980	52,436
February	823,713	414,497	360,403	3,525	45,288
March	800,152	407,227	339,907	3,791	49,227
April	767,572	391,895	325,930	3,536	46,211
May	947,261	488,790	406,341	3,767	48,363
June	1,168,712	623,024	491,993	4,050	49,645
July	1,430,805	752,312	619,375	4,873	54,245
August	1,407,824	722,888	625,436	5,064	54,436
Sept	1,149,683	579,459	517,292	4,325	48,606
October	971,750	491,554	428,251	3,632	48,313
November	928,163	480,119	394,845	3,849	49,349
December	1,015,892	524,610	437,788	4,265	49,228
<b>Year 2023</b>					
January	992,227	506,014	430,554	4,119	51,540
February	892,138	451,594	389,745	3,797	47,001
March	955,703	489,302	412,237	4,094	50,070
April	887,551	462,086	379,288	3,728	42,449
May	1,019,950	543,723	425,181	3,862	47,184
June	1,202,013	625,349	521,735	4,409	50,520
July	1,496,047	772,384	665,860	4,941	52,862
August	1,487,939	781,914	647,398	4,950	53,677
Sept	1,217,126	618,366	542,844	4,609	51,307
October	1,041,044	529,873	457,358	4,072	49,742
November	988,664	486,100	447,704	4,046	50,814
December	1,042,726	522,880	459,715	4,358	55,773
<b>Year 2024</b>					
January	1,158,025	584,603	513,207	4,553	55,662
February	936,436	480,120	403,490	4,178	48,647
March	937,983	488,672	396,135	4,398	48,778
April	908,741	476,033	380,466	3,649	48,593
May	1,063,309	574,943	436,047	4,057	48,262
June	1,259,100	677,199	530,452	4,447	47,002
July	1,555,059	840,010	658,190	4,990	51,868
<b>Year to Date</b>					
2022	6,910,786	3,577,411	2,960,438	27,522	345,415
2023	7,445,629	3,850,451	3,224,600	28,950	341,627
2024	7,818,653	4,121,579	3,317,988	30,272	348,813
<b>Rolling 12 Months Ending in July</b>					
2023	12,918,940	6,649,082	5,628,213	50,086	591,559
2024	13,596,152	7,060,712	5,873,006	52,308	610,126

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

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

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

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

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

**Table 2.4.B. Natural Gas: Consumption for Useful Thermal Output, by Sector, 2014-July 2024 (Million Cubic Feet)**

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
2014	865,146	4,926	292,016	46,635	521,569
2015	935,098	8,060	283,372	46,287	597,379
2016	1,151,866	38,096	356,905	80,943	675,922
2017	1,168,544	38,740	309,949	104,324	715,532
2018	1,205,962	43,156	331,952	81,856	748,997
2019	1,196,025	42,645	317,231	79,734	756,415
2020	1,292,624	47,025	326,976	78,844	839,778
2021	1,221,841	49,103	307,795	71,094	793,849
2022	1,206,240	46,329	305,125	74,683	780,102
2023	1,222,439	51,023	310,053	72,410	788,954
<b>Year 2022</b>					
January	111,979	4,635	28,424	7,331	71,588
February	98,435	3,929	25,170	6,465	62,872
March	102,253	3,852	25,861	6,384	66,155
April	92,922	2,748	22,502	5,734	61,937
May	95,758	3,356	24,200	5,623	62,579
June	97,703	3,887	25,622	5,855	62,339
July	106,539	4,604	28,679	6,816	66,439
August	106,095	4,242	27,578	6,894	67,380
Sept	96,584	3,583	24,804	5,816	62,381
October	95,266	3,073	23,556	5,412	63,225
November	98,143	4,017	23,125	5,694	65,307
December	104,563	4,401	25,603	6,659	67,900
<b>Year 2023</b>					
January	109,076	4,435	26,082	6,700	71,858
February	98,330	3,904	25,131	6,084	63,212
March	106,424	3,934	26,486	6,508	69,496
April	94,488	3,407	23,770	5,543	61,768
May	94,720	3,923	22,879	5,368	62,550
June	98,389	4,488	24,843	5,667	63,391
July	103,951	5,320	27,775	5,994	64,862
August	102,833	5,406	27,752	6,024	63,651
Sept	99,904	4,377	25,540	5,768	64,220
October	98,645	3,566	25,577	5,857	63,645
November	104,844	4,005	27,172	6,259	67,408
December	110,834	4,258	27,046	6,637	72,893
<b>Year 2024</b>					
January	116,870	4,590	28,584	7,169	76,526
February	101,981	4,125	26,675	6,419	64,763
March	103,471	4,381	26,236	6,539	66,315
April	94,852	3,405	22,496	5,370	63,580
May	98,448	3,912	24,939	5,328	64,269
June	99,063	4,560	26,238	5,701	62,564
July	104,962	5,586	28,900	5,857	64,620
<b>Year to Date</b>					
2022	705,588	27,012	180,459	44,208	453,909
2023	705,379	29,411	176,966	41,865	457,137
2024	719,648	30,559	184,068	42,383	462,638
<b>Rolling 12 Months Ending in July</b>					
2023	1,206,031	48,728	301,633	72,340	783,330
2024	1,236,708	52,170	317,155	72,928	794,455

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

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

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

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

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

**Table 2.4.C. Natural Gas: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2014-July 2024 (Million Cubic Feet)**

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
2014	9,409,532	3,899,934	4,246,048	118,591	1,144,959
2015	10,951,674	4,753,315	4,860,055	116,380	1,221,924
2016	11,321,975	5,056,990	4,928,280	127,246	1,209,459
2017	10,676,606	4,793,632	4,471,933	154,383	1,256,658
2018	12,048,091	5,603,423	4,995,888	134,507	1,314,273
2019	12,808,883	6,023,324	5,276,029	135,310	1,374,220
2020	13,220,728	6,243,178	5,388,546	130,671	1,458,334
2021	12,724,410	5,925,545	5,303,041	116,631	1,379,193
2022	13,590,337	6,422,370	5,669,176	123,342	1,375,449
2023	14,445,567	6,840,607	6,089,671	123,395	1,391,894
<b>Year 2022</b>					
January	1,084,549	504,303	444,912	11,311	124,023
February	922,149	418,426	385,573	9,989	108,160
March	902,405	411,079	365,768	10,175	115,382
April	860,494	394,643	348,432	9,270	108,148
May	1,043,019	492,145	430,541	9,390	110,942
June	1,266,415	626,911	517,616	9,905	111,984
July	1,537,344	756,916	648,054	11,689	120,685
August	1,513,919	727,130	653,015	11,958	121,816
Sept	1,246,267	583,042	542,096	10,141	110,987
October	1,067,017	494,626	451,807	9,044	111,539
November	1,026,306	484,137	417,970	9,543	114,655
December	1,120,456	529,011	463,391	10,924	117,129
<b>Year 2023</b>					
January	1,101,303	510,449	456,636	10,819	123,398
February	990,468	455,497	414,876	9,881	110,213
March	1,062,127	493,236	438,723	10,602	119,566
April	982,039	465,493	403,058	9,271	104,217
May	1,114,670	547,646	448,061	9,230	109,733
June	1,300,402	629,838	546,578	10,076	113,911
July	1,599,998	777,704	693,634	10,935	117,725
August	1,590,772	787,320	675,150	10,974	117,328
Sept	1,317,030	622,743	568,383	10,377	115,527
October	1,139,689	533,439	482,935	9,928	113,387
November	1,093,508	490,105	474,876	10,305	118,222
December	1,153,560	527,138	486,761	10,995	128,666
<b>Year 2024</b>					
January	1,274,895	589,194	541,791	11,721	132,189
February	1,038,417	484,244	430,165	10,597	113,411
March	1,041,453	493,052	422,371	10,937	115,093
April	1,003,593	479,438	402,962	9,019	112,174
May	1,161,757	578,855	460,987	9,385	112,531
June	1,358,164	681,759	556,690	10,149	109,566
July	1,660,022	845,596	687,090	10,847	116,488
<b>Year to Date</b>					
2022	7,616,374	3,604,423	3,140,896	71,730	799,324
2023	8,151,008	3,879,863	3,401,566	70,815	798,764
2024	8,538,301	4,152,138	3,502,056	72,655	811,451
<b>Rolling 12 Months Ending in July</b>					
2023	14,124,971	6,697,809	5,929,846	122,426	1,374,889
2024	14,832,860	7,112,882	6,190,161	125,235	1,404,581

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

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

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

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

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



**Table 2.5.A. Landfill Gas: Consumption for Electricity Generation, by Sector, 2014-July 2024 (Million Cubic Feet)**

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
2014	285,982	25,819	228,447	27,038	4,678
2015	282,530	25,257	227,381	25,250	4,642
2016	273,557	24,280	224,993	20,445	3,839
2017	278,112	25,074	229,050	20,121	3,866
2018	270,235	23,580	223,513	19,790	3,352
2019	257,494	22,726	214,819	16,874	3,075
2020	252,501	23,571	208,196	18,136	2,597
2021	231,876	22,831	190,031	16,472	2,542
2022	211,866	18,486	176,160	14,898	2,323
2023	194,275	18,502	159,649	13,724	2,401
<b>Year 2022</b>					
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
<b>Year 2023</b>					
January	17,449	1,676	14,218	1,350	205
February	15,456	1,488	12,565	1,191	212
March	16,708	1,637	13,607	1,209	254
April	15,435	1,526	12,564	1,136	208
May	16,550	1,582	13,753	1,031	184
June	16,271	1,566	13,406	1,082	217
July	16,505	1,511	13,618	1,186	190
August	16,270	1,463	13,448	1,186	173
Sept	17,126	1,724	14,139	1,108	155
October	14,866	1,355	12,415	919	176
November	14,212	1,230	11,659	1,128	196
December	17,429	1,743	14,256	1,199	231
<b>Year 2024</b>					
January	15,222	1,323	12,485	1,197	217
February	16,103	1,744	13,090	1,046	224
March	16,824	1,817	13,712	1,064	232
April	14,453	1,414	11,852	996	191
May	15,367	1,497	12,752	975	143
June	16,413	1,778	13,532	952	151
July	16,240	1,602	13,363	1,070	205
<b>Year to Date</b>					
2022	125,752	11,293	104,631	8,510	1,318
2023	114,373	10,986	93,732	8,185	1,470
2024	110,624	11,175	90,785	7,299	1,365
<b>Rolling 12 Months Ending in July</b>					
2023	200,487	18,179	165,260	14,573	2,475
2024	190,526	18,690	156,702	12,838	2,296

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

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

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

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

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

**Table 2.5.B. Landfill Gas: Consumption for Useful Thermal Output, by Sector, 2014-July 2024 (Million Cubic Feet)**

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
2014	1,710	176	525	674	335
2015	1,522	2	644	515	362
2016	4,163	3	2,339	1,034	788
2017	3,940	2	1,948	1,099	891
2018	3,621	0	1,867	911	843
2019	3,570	5	1,933	820	812
2020	4,011	3	2,187	820	1,000
2021	4,030	6	2,155	741	1,129
2022	4,280	15	1,996	817	1,451
2023	4,576	11	2,254	705	1,607
<b>Year 2022</b>					
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
<b>Year 2023</b>					
January	460	1	239	64	157
February	393	1	199	52	141
March	402	1	204	49	148
April	399	1	192	65	141
May	281	1	125	40	116
June	353	1	170	53	128
July	401	1	199	65	136
August	396	1	197	70	128
Sept	361	1	186	61	113
October	361	1	174	72	114
November	331	0	142	60	129
December	440	1	228	54	156
<b>Year 2024</b>					
January	414	1	217	46	149
February	370	1	179	51	138
March	376	1	180	52	142
April	379	1	160	38	181
May	242	1	111	32	98
June	273	1	137	18	116
July	330	1	161	26	142
<b>Year to Date</b>					
2022	2,540	9	1,206	480	845
2023	2,688	6	1,327	388	967
2024	2,384	8	1,144	265	967
<b>Rolling 12 Months Ending in July</b>					
2023	4,428	13	2,116	726	1,573
2024	4,272	12	2,071	581	1,607

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

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

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

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

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

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

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
2014	287,692	25,995	228,971	27,713	5,013
2015	284,052	25,259	228,024	25,765	5,004
2016	277,720	24,283	227,332	21,479	4,626
2017	282,051	25,076	230,998	21,220	4,757
2018	273,856	23,580	225,380	20,701	4,196
2019	261,064	22,731	216,753	17,694	3,887
2020	256,512	23,575	210,383	18,956	3,598
2021	235,906	22,836	192,186	17,212	3,671
2022	216,146	18,501	178,155	15,715	3,774
2023	198,851	18,512	161,903	14,428	4,008
<b>Year 2022</b>					
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
<b>Year 2023</b>					
January	17,909	1,677	14,457	1,414	362
February	15,849	1,489	12,764	1,243	353
March	17,109	1,638	13,811	1,258	402
April	15,833	1,527	12,756	1,201	349
May	16,831	1,583	13,878	1,070	300
June	16,624	1,567	13,577	1,135	345
July	16,906	1,512	13,817	1,252	325
August	16,666	1,464	13,645	1,256	301
Sept	17,487	1,725	14,325	1,169	268
October	15,226	1,356	12,589	991	290
November	14,543	1,230	11,801	1,187	325
December	17,868	1,744	14,484	1,252	387
<b>Year 2024</b>					
January	15,636	1,324	12,702	1,243	367
February	16,473	1,745	13,269	1,097	362
March	17,200	1,818	13,892	1,116	374
April	14,832	1,414	12,012	1,034	372
May	15,609	1,498	12,862	1,007	242
June	16,687	1,779	13,669	970	268
July	16,570	1,603	13,524	1,096	347
<b>Year to Date</b>					
2022	128,292	11,302	105,838	8,989	2,163
2023	117,061	10,992	95,059	8,573	2,437
2024	113,008	11,183	91,930	7,564	2,332
<b>Rolling 12 Months Ending in July</b>					
2023	204,915	18,192	167,376	15,299	4,048
2024	194,798	18,703	158,774	13,419	3,903

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

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

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

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

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

**Table 2.6.A. Biogenic Municipal Solid Waste: Consumption for Electricity Generation, by Sector, 2014-July 2024 (Thousand Tons)**

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
2014	16,706	444	13,809	2,447	6
2015	16,631	452	13,797	2,375	8
2016	16,994	464	13,953	2,566	11
2017	16,348	422	13,381	2,537	8
2018	16,783	467	13,859	2,448	9
2019	15,559	297	12,941	2,310	10
2020	15,516	280	12,975	2,251	10
2021	15,223	252	12,442	2,521	7
2022	14,589	274	7,346	6,969	0
2023	13,860	283	6,941	6,636	0
<b>Year 2022</b>					
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
<b>Year 2023</b>					
January	1,202	24	616	561	0
February	1,046	15	539	492	0
March	1,110	21	575	513	0
April	1,063	21	533	509	0
May	1,167	21	591	554	0
June	1,177	26	582	569	0
July	1,245	24	620	601	0
August	1,231	28	614	588	0
Sept	1,137	24	572	540	0
October	1,153	27	564	562	0
November	1,124	26	544	555	0
December	1,206	24	590	591	0
<b>Year 2024</b>					
January	1,179	21	582	575	0
February	1,062	17	531	513	0
March	1,098	13	565	520	0
April	1,067	20	504	544	0
May	1,168	29	567	571	0
June	1,134	27	555	552	0
July	1,207	28	604	574	0
<b>Year to Date</b>					
2022	8,497	160	4,307	4,030	0
2023	8,009	153	4,056	3,800	0
2024	7,915	156	3,910	3,850	0
<b>Rolling 12 Months Ending in July</b>					
2023	14,100	267	7,095	6,738	0
2024	13,766	286	6,794	6,686	0

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

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Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

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

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

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



**Table 2.6.B. Biogenic Municipal Solid Waste: Consumption for Useful Thermal Output, by Sector, 2014-July 2024 (Thousand Tons)**

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
2014	1,955	0	650	1,104	200
2015	1,986	0	655	1,127	203
2016	2,232	0	885	1,134	213
2017	2,124	0	814	1,102	208
2018	2,050	0	752	1,109	189
2019	1,667	0	743	737	187
2020	1,650	0	757	705	188
2021	1,712	0	873	666	173
2022	1,647	0	401	1,246	0
2023	1,543	0	449	1,094	0
<b>Year 2022</b>					
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
<b>Year 2023</b>					
January	125	0	38	87	0
February	121	0	33	89	0
March	128	0	34	94	0
April	121	0	32	89	0
May	131	0	33	97	0
June	117	0	33	84	0
July	137	0	41	95	0
August	141	0	40	101	0
Sept	130	0	40	90	0
October	111	0	37	74	0
November	134	0	44	90	0
December	147	0	43	103	0
<b>Year 2024</b>					
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
<b>Year to Date</b>					
2022	964	0	231	733	0
2023	880	0	244	636	0
2024	895	0	249	646	0
<b>Rolling 12 Months Ending in July</b>					
2023	1,563	0	414	1,149	0
2024	1,558	0	454	1,104	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.

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

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

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

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

Table 2.6.C. Biogenic Municipal Solid Waste: Consumption for Electricity Generation and

## Useful Thermal Output, by Sector, 2014-July 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	15,403	283	7,390	7,730	0
Year 2022					
January	1,362	22	683	657	0
February	1,248	20	598	629	0
March	1,344	17	668	660	0
April	1,332	23	621	687	0
May	1,368	28	642	697	0
June	1,389	25	655	709	0
July	1,420	25	671	723	0
August	1,397	28	657	712	0
Sept	1,336	18	636	682	0
October	1,338	24	624	690	0
November	1,351	23	627	701	0
December	1,353	21	664	668	0
Year 2023					
January	1,327	24	654	649	0
February	1,167	15	571	581	0
March	1,238	21	609	607	0
April	1,183	21	564	598	0
May	1,297	21	625	652	0
June	1,294	26	615	653	0
July	1,382	24	661	696	0
August	1,372	28	654	690	0
Sept	1,267	24	612	630	0
October	1,264	27	601	635	0
November	1,258	26	587	645	0
December	1,353	24	634	695	0
Year 2024					
January	1,320	21	626	673	0
February	1,192	17	566	609	0
March	1,225	13	599	613	0
April	1,178	20	539	619	0
May	1,301	29	604	668	0
June	1,259	27	586	646	0
July	1,335	28	639	668	0
Year to Date					
2022	9,461	160	4,538	4,763	0
2023	8,889	153	4,301	4,435	0
2024	8,810	156	4,159	4,496	0
Rolling 12 Months Ending in July					
2023	15,663	267	7,509	7,887	0
2024	15,324	286	7,248	7,791	0

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

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Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

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

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

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

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

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
2014	431,285	45,643	174,513	961	210,167
2015	406,650	43,919	171,387	504	190,840
2016	359,983	41,036	149,516	473	168,959
2017	363,646	42,806	151,877	460	168,503
2018	361,703	45,856	143,288	520	172,039
2019	338,317	42,240	128,980	583	166,514
2020	318,381	31,606	125,695	608	160,472
2021	328,253	41,868	129,554	998	155,833
2022	323,764	46,357	125,125	1,140	151,142
2023	274,420	34,192	100,099	732	139,397
<b>Year 2022</b>					
January	28,590	4,116	11,148	102	13,225
February	27,354	4,072	10,966	94	12,223
March	26,834	3,220	10,911	69	12,633
April	24,378	2,638	9,297	73	12,370
May	26,037	3,542	9,711	110	12,675
June	27,667	4,060	10,713	129	12,766
July	30,189	4,960	11,506	119	13,604
August	29,708	5,264	11,129	171	13,144
Sept	26,117	3,722	10,273	81	12,041
October	23,854	3,181	9,295	42	11,335
November	25,533	3,117	9,864	72	12,481
December	27,502	4,466	10,313	77	12,647
<b>Year 2023</b>					
January	26,787	3,731	10,268	76	12,713
February	22,684	3,170	8,154	47	11,314
March	23,014	2,323	8,749	55	11,887
April	19,588	1,306	7,242	46	10,994
May	24,087	2,736	8,988	24	12,339
June	23,681	3,459	8,757	68	11,398
July	25,631	4,424	9,667	58	11,482
August	25,999	4,195	9,765	85	11,954
Sept	21,971	3,201	7,976	82	10,712
October	17,647	1,513	5,522	61	10,552
November	21,207	1,981	7,240	56	11,930
December	22,123	2,156	7,772	74	12,122
<b>Year 2024</b>					
January	24,974	3,832	9,159	99	11,884
February	20,851	2,558	7,235	37	11,021
March	21,487	1,561	8,299	24	11,603
April	20,357	2,153	6,848	9	11,347
May	23,038	3,035	8,139	33	11,830
June	23,119	3,555	7,908	66	11,591
July	23,333	3,453	7,955	111	11,814
<b>Year to Date</b>					
2022	191,049	26,607	74,251	697	89,494
2023	165,473	21,148	61,824	374	82,126
2024	157,158	20,147	55,544	378	81,090
<b>Rolling 12 Months Ending in July</b>					
2023	298,187	40,898	112,698	817	143,774
2024	266,106	33,191	93,818	736	138,360

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

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Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

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

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

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

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
2014	946,344	8,835	22,262	3,766	911,481
2015	943,962	9,351	19,200	3,714	911,697
2016	969,841	10,950	22,905	4,520	931,465
2017	939,633	11,656	22,986	4,522	900,469
2018	929,365	10,297	21,623	4,806	892,639
2019	907,420	3,564	25,740	4,969	873,147
2020	860,062	3,051	25,022	3,595	828,394
2021	870,986	3,520	21,804	2,958	842,704
2022	819,395	4,629	21,579	3,158	790,029
2023	747,320	3,777	23,488	2,343	717,713
<b>Year 2022</b>					
January	72,157	390	2,158	282	69,327
February	65,478	385	1,740	281	63,071
March	68,069	443	1,613	228	65,785
April	68,138	403	1,617	171	65,947
May	69,868	269	1,639	274	67,686
June	68,973	296	1,688	367	66,623
July	71,267	330	1,709	327	68,901
August	70,484	360	1,819	375	67,931
Sept	64,897	408	1,977	199	62,313
October	65,076	230	1,763	149	62,935
November	66,976	513	1,895	250	64,318
December	68,011	603	1,960	256	65,192
<b>Year 2023</b>					
January	70,819	369	1,657	249	68,545
February	62,603	289	1,879	163	60,271
March	66,239	302	2,880	223	62,834
April	58,787	338	2,173	162	56,115
May	63,472	273	2,046	81	61,072
June	58,929	336	2,168	254	56,171
July	60,435	353	1,799	129	58,155
August	60,940	374	1,310	221	59,035
Sept	57,254	324	1,133	256	55,540
October	60,417	188	2,787	185	57,258
November	63,922	343	1,962	179	61,439
December	63,502	288	1,694	241	61,279
<b>Year 2024</b>					
January	64,247	354	1,725	285	61,883
February	56,580	255	1,422	138	54,765
March	61,494	393	1,518	75	59,510
April	60,386	282	1,683	65	58,356
May	60,029	336	1,406	147	58,139
June	55,400	318	1,379	223	53,481
July	58,610	303	1,779	318	56,209
<b>Year to Date</b>					
2022	483,951	2,516	12,165	1,930	467,341
2023	441,284	2,259	14,602	1,261	423,162
2024	416,746	2,241	10,912	1,250	402,343
<b>Rolling 12 Months Ending in July</b>					
2023	776,729	4,373	24,017	2,489	745,850
2024	722,782	3,758	19,797	2,332	696,894

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

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Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

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

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

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**Table 2.7.C. Wood / Wood Waste Biomass: Consumption for Electricity Generation and Useful Thermal Output, by Sector, 2014-July 2024 (Billion Btus)**

Period	Total (all sectors)	Electric Power Sector		Commercial Sector	Industrial Sector
		Electric Utilities	Independent Power Producers		
<b>Annual Totals</b>					
2014	1,377,629	54,478	196,775	4,727	1,121,648
2015	1,350,612	53,269	190,587	4,219	1,102,537
2016	1,329,824	51,986	172,421	4,993	1,100,424
2017	1,303,279	54,462	174,862	4,982	1,068,972
2018	1,291,068	56,153	164,911	5,326	1,064,678
2019	1,245,737	45,804	154,720	5,552	1,039,661
2020	1,178,443	34,657	150,717	4,203	988,866
2021	1,199,240	45,387	151,359	3,957	998,537
2022	1,143,159	50,986	146,704	4,297	941,171
2023	1,021,740	37,969	123,587	3,075	857,110
<b>Year 2022</b>					
January	100,746	4,505	13,306	384	82,552
February	92,833	4,457	12,706	376	75,294
March	94,902	3,663	12,524	297	78,418
April	92,516	3,041	10,914	244	78,317
May	95,906	3,810	11,350	384	80,361
June	96,641	4,356	12,401	495	79,388
July	101,457	5,290	13,216	446	82,505
August	100,192	5,624	12,948	545	81,075
Sept	91,014	4,131	12,251	280	74,354
October	88,930	3,412	11,058	191	74,270
November	92,510	3,630	11,759	322	76,800
December	95,513	5,068	12,273	334	77,839
<b>Year 2023</b>					
January	97,606	4,099	11,925	325	81,258
February	85,287	3,459	10,033	210	71,586
March	89,253	2,625	11,630	278	74,720
April	78,375	1,644	9,415	209	67,109
May	87,558	3,009	11,034	105	73,410
June	82,610	3,795	10,925	322	67,569
July	86,067	4,777	11,466	187	69,637
August	86,939	4,568	11,075	306	70,990
Sept	79,224	3,525	9,109	338	66,253
October	78,065	1,700	8,308	246	67,810
November	85,130	2,324	9,202	235	73,369
December	85,625	2,444	9,466	315	73,401
<b>Year 2024</b>					
January	89,221	4,186	10,885	384	73,767
February	77,431	2,813	8,657	175	65,786
March	82,981	1,954	9,816	98	71,113
April	80,743	2,435	8,531	74	69,703
May	83,066	3,371	9,546	180	69,969
June	78,519	3,872	9,286	289	65,072
July	81,942	3,756	9,734	429	68,023
<b>Year to Date</b>					
2022	675,000	29,123	86,416	2,626	556,834
2023	606,757	23,407	76,427	1,635	505,288
2024	573,905	22,388	66,455	1,629	483,433
<b>Rolling 12 Months Ending in July</b>					
2023	1,074,916	45,271	136,715	3,306	889,625
2024	988,888	36,950	113,615	3,068	835,255

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

The new methodology was retroactively applied to 2004-2007 data. See the Technical Notes (Appendix C) for further information. See Glossary for definitions.

Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

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

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

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
New England	21	6	237.0%	0	0	21	6	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	0	1	-16.0%	0	0	0	1	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	20	6	260.0%	0	0	20	6	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	1,207	1,273	-5.2%	0	0	1,206	1,271	0	0	2	2
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	1,207	1,273	-5.2%	0	0	1,206	1,271	0	0	2	2
East North Central	8,153	7,738	5.4%	5,218	4,882	2,910	2,823	0	NM	23	33
Illinois	1,758	1,812	-3.0%	80	78	1,661	1,708	0	NM	17	26
Indiana	2,411	2,100	15.0%	2,283	1,941	127	159	0	0	0	0
Michigan	1,597	1,050	52.0%	1,588	1,046	7	4	0	0	NM	NM
Ohio	1,324	1,166	14.0%	210	214	1,114	952	0	0	0	0
Wisconsin	1,063	1,611	-34.0%	1,057	1,604	0	0	0	0	6	NM
West North Central	8,664	9,190	-5.7%	8,590	9,114	0	0	0	0	74	76
Iowa	1,082	1,414	-23.0%	1,036	1,369	0	0	0	0	46	45
Kansas	1,208	1,313	-8.1%	1,208	1,313	0	0	0	0	0	0
Minnesota	762	822	-7.3%	759	819	0	0	0	0	3	NM
Missouri	2,635	2,487	6.0%	2,635	2,487	0	0	0	0	0	0
Nebraska	1,007	1,117	-9.9%	984	1,092	0	0	0	0	23	25
North Dakota	1,857	1,907	-2.6%	1,853	1,903	0	0	0	0	3	NM
South Dakota	115	131	-12.0%	115	131	0	0	0	0	0	0
South Atlantic	5,667	6,312	-10.0%	5,160	5,901	497	407	1	0	9	4
Delaware	19	6	246.0%	0	0	19	6	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	533	638	-16.0%	532	637	0	0	0	0	0	NM
Georgia	1,127	1,259	-10.0%	1,123	1,258	0	0	0	0	4	1
Maryland	172	187	-7.9%	0	0	172	187	0	0	0	0
North Carolina	892	1,103	-19.0%	891	1,103	0	0	1	0	0	0
South Carolina	910	834	9.2%	910	833	0	0	0	0	0	0
Virginia	150	107	41.0%	145	106	0	0	0	0	5	1
West Virginia	1,863	2,179	-14.0%	1,558	1,965	305	214	0	0	0	0
East South Central	4,714	5,211	-9.5%	4,531	4,911	174	292	0	0	9	8
Alabama	1,093	1,365	-20.0%	1,093	1,365	0	0	0	0	0	0
Kentucky	2,175	2,192	-0.8%	2,175	2,192	0	0	0	0	0	0
Mississippi	286	438	-35.0%	112	146	174	292	0	0	0	0
Tennessee	1,160	1,215	-4.6%	1,151	1,208	0	0	0	0	9	8
West South Central	6,580	7,902	-17.0%	3,112	4,075	3,464	3,827	0	0	4	0
Arkansas	1,071	1,328	-19.0%	898	1,119	173	208	0	0	0	0
Louisiana	208	443	-53.0%	160	318	48	125	0	0	0	0
Oklahoma	433	596	-27.0%	429	596	0	0	0	0	4	0
Texas	4,868	5,535	-12.0%	1,624	2,042	3,244	3,493	0	0	0	0
Mountain	5,206	6,570	-21.0%	4,562	5,669	635	892	0	0	8	8
Arizona	676	906	-25.0%	676	906	0	0	0	0	0	0
Colorado	965	1,123	-14.0%	965	1,123	0	0	0	0	0	0
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	524	734	-29.0%	0	0	524	734	0	0	NM	NM
Nevada	156	175	-11.0%	89	97	67	79	0	0	0	0
New Mexico	523	519	0.7%	523	519	0	0	0	0	0	0
Utah	843	1,007	-16.0%	800	971	44	36	0	0	0	0
Wyoming	1,520	2,106	-28.0%	1,511	2,055	1	44	0	0	7	8
Pacific Contiguous	243	227	6.7%	0	0	237	223	0	0	5	5
California	5	4	10.0%	0	0	0	0	0	0	5	4
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	238	223	6.7%	0	0	237	223	0	0	1	0
Pacific Noncontiguous	56	55	2.5%	44	42	NM	NM	3	NM	0	0
Alaska	56	55	2.5%	44	42	NM	NM	3	NM	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	40,510	44,484	-8.9%	31,218	34,595	9,152	9,750	5	4	135	136

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

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

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

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
New England	40	55	-27.0%	0	0	40	55	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	4	7	-37.0%	0	0	4	7	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	36	48	-26.0%	0	0	36	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	6,172	5,773	6.9%	0	0	6,162	5,761	0	0	10	12
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	6,172	5,773	6.9%	0	0	6,162	5,761	0	0	10	12
East North Central	42,793	41,098	4.1%	26,574	25,449	16,053	15,423	4	8	163	217
Illinois	9,460	9,072	4.3%	397	438	8,943	8,457	2	4	118	173
Indiana	12,181	11,844	2.8%	11,188	10,753	990	1,086	2	5	0	0
Michigan	7,524	7,018	7.2%	7,478	6,953	42	62	0	0	4	3
Ohio	7,237	6,958	4.0%	1,161	1,140	6,076	5,818	0	0	0	0
Wisconsin	6,391	6,205	3.0%	6,351	6,164	0	0	0	0	40	41
West North Central	43,381	46,452	-6.6%	42,901	46,009	0	0	4	3	476	440
Iowa	4,119	5,544	-26.0%	3,836	5,292	0	0	1	2	281	250
Kansas	4,696	5,927	-21.0%	4,696	5,927	0	0	0	0	0	0
Minnesota	3,947	4,162	-5.2%	3,925	4,140	0	0	1	0	20	22
Missouri	13,727	13,616	0.8%	13,726	13,615	0	0	1	1	0	0
Nebraska	5,176	6,037	-14.0%	5,023	5,892	0	0	0	0	153	145
North Dakota	11,123	10,651	4.4%	11,101	10,629	0	0	0	0	22	23
South Dakota	594	514	16.0%	594	514	0	0	0	0	0	0
South Atlantic	29,853	26,851	11.0%	27,221	23,669	2,576	3,126	3	1	54	55
Delaware	54	6	813.0%	0	0	54	6	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2,350	3,151	-25.0%	2,348	3,147	0	0	0	0	2	4
Georgia	5,670	4,541	25.0%	5,650	4,528	0	0	0	0	19	13
Maryland	735	368	99.0%	0	0	735	368	0	0	0	0
North Carolina	4,759	3,009	58.0%	4,752	2,998	0	0	3	1	4	10
South Carolina	4,303	3,704	16.0%	4,301	3,686	0	15	0	0	1	3
Virginia	677	556	22.0%	649	531	0	0	0	0	27	25
West Virginia	11,306	11,516	-1.8%	9,520	8,778	1,787	2,737	0	0	0	0
East South Central	26,709	25,810	3.5%	25,595	23,855	1,051	1,909	0	0	63	46
Alabama	6,936	6,637	4.5%	6,936	6,637	0	0	0	0	0	0
Kentucky	12,967	11,866	9.3%	12,967	11,866	0	0	0	0	0	0
Mississippi	1,607	2,324	-31.0%	555	415	1,051	1,909	0	0	0	0
Tennessee	5,200	4,983	4.4%	5,137	4,937	0	0	0	0	63	46
West South Central	34,608	36,844	-6.1%	17,105	17,095	17,489	19,741	0	0	13	8
Arkansas	5,592	5,494	1.8%	4,610	4,293	980	1,197	0	0	3	4
Louisiana	1,781	1,319	35.0%	1,293	1,119	487	199	0	0	0	0
Oklahoma	2,176	1,944	12.0%	2,167	1,940	0	0	0	0	9	4
Texas	25,058	28,088	-11.0%	9,035	9,743	16,023	18,345	0	0	0	0
Mountain	28,440	32,582	-13.0%	24,370	27,543	4,015	4,985	0	0	54	55
Arizona	3,386	3,728	-9.2%	3,386	3,728	0	0	0	0	0	0
Colorado	5,332	5,977	-11.0%	5,332	5,977	0	0	0	0	0	0
Idaho	NM	NM	NM	0	0	0	0	0	0	NM	NM
Montana	3,189	4,174	-24.0%	0	0	3,187	4,172	0	0	1	2
Nevada	813	636	28.0%	454	332	359	304	0	0	0	0
New Mexico	2,974	2,653	12.0%	2,974	2,653	0	0	0	0	0	0
Utah	3,878	4,596	-16.0%	3,614	4,372	265	224	0	0	0	0
Wyoming	8,868	10,816	-18.0%	8,612	10,479	204	284	0	0	52	52
Pacific Contiguous	830	1,552	-47.0%	0	0	795	1,519	0	0	36	33
California	32	29	7.8%	0	0	0	0	0	0	32	29
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	799	1,523	-48.0%	0	0	795	1,519	0	0	4	4
Pacific Noncontiguous	340	325	4.8%	258	239	58	60	24	25	0	0
Alaska	340	325	4.8%	258	239	58	60	24	25	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	213,167	217,341	-1.9%	164,025	163,858	48,238	52,579	36	38	868	866

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

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

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

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
New England	80	67	19.0%	22	4	56	62	2	1	0	1
Connecticut	23	25	-8.4%	1	1	22	23	NM	NM	NM	1
Maine	6	11	-49.0%	0	0	5	11	0	0	0	NM
Massachusetts	44	23	88.0%	20	NM	23	20	NM	NM	0	NM
New Hampshire	3	6	-40.0%	0	0	3	5	0	1	0	0
Rhode Island	NM	NM	NM	0	0	NM	NM	NM	NM	0	0
Vermont	2	NM	NM	2	NM	0	0	0	0	0	0
Middle Atlantic	101	90	12.0%	21	15	75	69	NM	4	3	2
New Jersey	NM	NM	NM	0	0	NM	NM	NM	NM	0	0
New York	68	71	-3.5%	21	15	46	54	NM	NM	1	0
Pennsylvania	30	17	74.0%	0	NM	26	13	1	2	3	2
East North Central	78	64	21.0%	42	42	35	22	0	0	1	1
Illinois	5	4	46.0%	NM	2	4	2	NM	NM	0	0
Indiana	16	19	-13.0%	16	18	0	0	0	0	0	0
Michigan	16	14	8.0%	NM	14	0	0	NM	NM	0	0
Ohio	34	22	54.0%	NM	NM	31	20	NM	0	0	0
Wisconsin	NM	NM	NM	NM	NM	0	0	NM	NM	NM	NM
West North Central	NM	60	NM	NM	59	NM	NM	0	0	0	0
Iowa	NM	16	NM	NM	16	NM	NM	0	NM	0	NM
Kansas	10	8	15.0%	10	8	0	0	0	0	0	0
Minnesota	NM	NM	NM	NM	NM	NM	NM	0	0	0	0
Missouri	15	13	11.0%	15	13	0	0	0	0	0	0
Nebraska	NM	NM	NM	NM	NM	0	0	0	0	0	0
North Dakota	NM	7	NM	NM	7	0	0	0	0	0	0
South Dakota	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
South Atlantic	230	180	28.0%	98	108	119	56	NM	6	12	11
Delaware	NM	7	NM	0	0	NM	7	0	0	0	0
District of Columbia	NM	NM	--	0	0	0	0	NM	NM	0	0
Florida	16	43	-63.0%	14	33	1	9	0	0	1	1
Georgia	14	12	15.0%	NM	NM	NM	NM	NM	NM	8	7
Maryland	93	24	288.0%	1	0	92	24	0	0	0	0
North Carolina	17	20	-15.0%	16	19	NM	NM	NM	NM	NM	NM
South Carolina	13	17	-20.0%	12	16	0	NM	0	0	1	0
Virginia	41	41	0.5%	21	21	19	14	0	5	1	1
West Virginia	29	16	87.0%	29	16	0	0	0	0	0	0
East South Central	25	24	6.6%	25	23	NM	NM	0	0	NM	0
Alabama	NM	1	NM	1	NM	NM	NM	0	0	NM	0
Kentucky	9	7	23.0%	9	7	0	0	0	0	0	0
Mississippi	1	1	-21.0%	1	1	0	0	0	0	0	0
Tennessee	14	14	-4.5%	14	14	0	0	0	0	0	0
West South Central	38	38	2.3%	21	16	17	21	NM	NM	0	1
Arkansas	6	6	-4.9%	5	5	1	1	0	0	NM	NM
Louisiana	NM	NM	NM	NM	NM	0	0	0	0	0	0
Oklahoma	9	6	47.0%	8	5	0	0	0	0	0	0
Texas	23	24	-5.1%	6	4	16	20	NM	NM	0	0
Mountain	NM	21	NM	NM	21	2	1	NM	NM	0	0
Arizona	5	4	34.0%	5	4	0	0	NM	NM	0	0
Colorado	NM	NM	NM	NM	NM	0	0	0	0	0	0
Idaho	0	0	NM	0	0	0	0	0	0	0	0
Montana	NM	NM	NM	NM	NM	2	NM	0	0	0	0
Nevada	1	3	-65.0%	1	3	0	0	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	9	6	61.0%	9	5	0	0	0	0	0	0
Wyoming	7	5	50.0%	7	5	0	0	0	0	0	0
Pacific Contiguous	15	20	-27.0%	NM	6	5	2	2	1	1	11
California	NM	17	NM	NM	6	2	0	2	1	NM	10
Oregon	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Washington	4	3	28.0%	NM	NM	3	2	0	0	1	1
Pacific Noncontiguous	1,132	1,123	0.9%	945	941	163	162	1	2	24	19
Alaska	136	118	15.0%	126	110	0	0	NM	NM	9	8
Hawaii	997	1,005	-0.8%	818	831	163	162	1	2	15	10
U.S. Total	1,799	1,687	6.6%	1,277	1,234	472	393	8	14	43	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.

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

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

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



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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
New England	383	570	-33.0%	49	38	311	509	15	16	8	7
Connecticut	160	238	-33.0%	4	5	154	230	0	1	1	2
Maine	44	76	-42.0%	0	0	38	71	0	0	6	5
Massachusetts	136	128	6.4%	41	31	88	91	7	5	0	0
New Hampshire	17	80	-79.0%	0	0	11	73	6	7	0	0
Rhode Island	23	46	-51.0%	0	0	21	45	1	1	0	0
Vermont	NM	NM	NM	NM	NM	0	0	0	0	0	0
Middle Atlantic	616	705	-13.0%	186	205	386	448	17	25	27	26
New Jersey	27	64	-57.0%	0	0	27	63	NM	NM	0	0
New York	414	517	-20.0%	185	205	215	289	11	NM	4	8
Pennsylvania	174	124	41.0%	1	0	145	97	6	9	23	18
East North Central	534	491	8.9%	293	285	234	198	2	1	6	6
Illinois	32	31	3.8%	7	8	24	23	0	NM	0	0
Indiana	103	128	-19.0%	102	112	0	15	1	0	0	1
Michigan	110	104	5.9%	109	102	0	0	0	NM	1	2
Ohio	237	180	32.0%	26	20	209	158	0	0	2	2
Wisconsin	52	48	6.9%	NM	44	0	2	0	0	3	1
West North Central	651	510	28.0%	643	504	NM	NM	2	1	2	1
Iowa	129	117	10.0%	126	114	2	2	0	NM	NM	NM
Kansas	141	74	91.0%	141	74	0	0	0	0	0	0
Minnesota	49	51	-4.6%	NM	47	NM	NM	1	1	1	1
Missouri	184	128	43.0%	184	128	0	0	0	0	0	0
Nebraska	NM	48	NM	NM	48	0	0	0	0	0	0
North Dakota	63	69	-8.8%	63	69	0	0	0	0	0	0
South Dakota	NM	23	NM	NM	23	0	0	NM	NM	0	0
South Atlantic	1,463	977	50.0%	850	682	457	164	60	36	95	95
Delaware	33	26	27.0%	0	1	33	25	0	0	0	0
District of Columbia	NM	NM	NM	0	0	0	0	NM	NM	0	0
Florida	143	197	-27.0%	128	176	11	14	0	0	4	7
Georgia	148	110	35.0%	58	41	15	NM	1	1	74	66
Maryland	304	77	292.0%	2	1	301	76	NM	1	NM	NM
North Carolina	243	103	135.0%	201	88	34	3	NM	NM	4	11
South Carolina	131	109	20.0%	125	101	1	3	0	0	5	4
Virginia	328	175	88.0%	203	94	62	41	56	34	8	7
West Virginia	133	180	-26.0%	133	180	0	0	0	0	0	0
East South Central	206	236	-13.0%	202	233	1	NM	0	0	3	3
Alabama	18	10	86.0%	16	7	1	NM	0	0	1	2
Kentucky	76	76	1.1%	76	76	0	0	0	0	0	0
Mississippi	9	7	20.0%	7	6	0	0	0	0	1	1
Tennessee	103	144	-29.0%	103	144	0	0	0	0	0	0
West South Central	402	304	32.0%	186	129	209	171	1	1	6	4
Arkansas	44	48	-7.1%	37	40	7	8	0	0	NM	NM
Louisiana	NM	8	NM	NM	8	0	0	0	0	0	0
Oklahoma	33	24	35.0%	29	22	0	0	0	0	4	2
Texas	312	224	39.0%	107	59	202	164	1	1	2	1
Mountain	231	198	17.0%	205	182	26	15	NM	NM	0	1
Arizona	30	33	-8.8%	30	33	0	0	NM	NM	0	0
Colorado	69	41	68.0%	62	40	7	0	0	0	0	1
Idaho	0	0	207.0%	0	0	0	0	0	0	0	0
Montana	31	12	159.0%	NM	NM	17	10	0	0	0	0
Nevada	8	8	-2.3%	7	7	2	1	0	0	0	0
New Mexico	NM	NM	NM	NM	NM	0	0	0	0	0	0
Utah	33	35	-5.7%	33	32	1	4	0	0	0	0
Wyoming	53	63	-15.0%	53	63	0	0	0	0	0	0
Pacific Contiguous	118	125	-5.3%	57	51	26	11	14	15	21	48
California	79	92	-14.0%	39	38	14	4	14	13	12	36
Oregon	NM	NM	NM	NM	NM	0	0	NM	NM	0	0
Washington	38	32	20.0%	NM	11	12	7	0	1	9	12
Pacific Noncontiguous	7,741	7,962	-2.8%	6,523	6,692	1,052	1,112	9	12	157	146
Alaska	1,067	962	11.0%	1,002	903	0	0	2	1	63	58
Hawaii	6,674	6,999	-4.6%	5,521	5,790	1,052	1,112	7	11	94	87
U.S. Total	12,346	12,078	2.2%	9,194	9,001	2,708	2,633	119	107	325	337

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

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

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

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 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	102	99	3.8%	79	63	NM	NM	0	0	6	7
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	85	65	31.0%	79	58	0	0	0	0	6	7
Ohio	NM	29	NM	0	0	NM	NM	0	0	0	0
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	52	61	-15.0%	52	59	0	0	0	0	NM	NM
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	52	59	-13.0%	52	59	0	0	0	0	0	0
Georgia	NM	NM	NM	0	0	0	0	0	0	NM	NM
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	NM	77	NM	0	75	0	0	0	0	NM	2
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	75	-100.0%	0	75	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	NM	2	NM	0	0	0	0	0	0	NM	2
Mountain	14	15	-6.7%	0	0	14	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	14	15	-6.7%	0	0	14	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	170	252	-32.0%	131	196	NM	44	0	0	8	11

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

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 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	534	440	21.0%	394	283	110	120	0	0	31	37
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	423	309	37.0%	392	271	0	0	0	0	31	37
Ohio	110	120	-8.5%	0	0	110	120	0	0	0	0
Wisconsin	1	11	-89.0%	1	11	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	168	269	-38.0%	165	260	0	0	0	0	NM	NM
Delaware	0	0	--	0	0	0	0	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	165	260	-37.0%	165	260	0	0	0	0	0	0
Georgia	NM	NM	NM	0	0	0	0	0	0	NM	NM
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	0	0	--	0	0	0	0	0	0	0	0
South Carolina	0	0	--	0	0	0	0	0	0	0	0
Virginia	0	0	--	0	0	0	0	0	0	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	39	224	-83.0%	22	207	0	0	0	0	17	17
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	22	207	-89.0%	22	207	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	17	17	-0.8%	0	0	0	0	0	0	17	17
Mountain	91	103	-11.0%	0	0	91	103	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	91	103	-11.0%	0	0	91	103	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	833	1,036	-20.0%	581	750	201	223	1	0	50	63

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

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
New England	46,101	45,867	0.5%	NM	NM	44,598	44,364	593	579	624	610
Connecticut	18,737	17,845	5.0%	25	27	18,162	17,291	172	171	377	355
Maine	3,780	3,171	19.0%	0	0	3,721	3,110	14	14	45	47
Massachusetts	14,428	13,780	4.7%	NM	NM	13,744	13,078	375	362	48	54
New Hampshire	1,927	4,652	-59.0%	0	0	1,912	4,634	3	3	12	15
Rhode Island	7,229	6,418	13.0%	0	0	7,059	6,251	28	28	NM	NM
Vermont	1	1	52.0%	1	0	0	0	0	1	0	0
Middle Atlantic	204,452	198,630	2.9%	16,647	15,480	184,299	179,412	904	909	2,602	2,829
New Jersey	28,352	32,300	-12.0%	NM	NM	27,699	31,638	205	206	218	217
New York	63,766	64,624	-1.3%	16,384	15,228	46,404	48,433	635	620	343	342
Pennsylvania	112,334	101,706	10.0%	34	13	110,196	99,340	63	84	2,041	2,270
East North Central	191,660	185,146	3.5%	88,498	72,540	98,761	108,373	801	839	3,600	3,394
Illinois	30,849	35,010	-12.0%	4,874	4,748	25,024	29,365	249	289	703	608
Indiana	29,848	28,998	2.9%	17,245	15,989	10,739	11,125	107	108	1,757	1,775
Michigan	49,071	43,189	14.0%	32,524	22,869	15,963	19,800	271	249	314	271
Ohio	56,495	56,399	0.2%	9,144	8,517	47,036	47,552	138	152	178	177
Wisconsin	25,396	21,550	18.0%	24,711	20,416	0	530	37	41	648	563
West North Central	58,320	48,873	19.0%	50,107	41,888	7,080	5,877	193	188	942	920
Iowa	10,803	9,820	10.0%	10,364	9,403	NM	NM	83	76	354	341
Kansas	7,429	6,005	24.0%	7,234	5,770	0	0	0	0	195	235
Minnesota	16,625	13,046	27.0%	11,741	9,398	4,511	3,320	40	43	333	285
Missouri	13,359	12,099	10.0%	10,718	9,464	2,567	2,556	65	68	9	10
Nebraska	4,175	3,146	33.0%	4,170	3,145	0	0	5	1	0	0
North Dakota	2,497	2,085	20.0%	2,497	2,079	0	0	0	0	0	6
South Dakota	3,433	2,672	29.0%	3,384	2,630	0	0	0	0	NM	NM
South Atlantic	341,308	327,620	4.2%	278,763	269,013	59,290	55,405	696	648	2,560	2,553
Delaware	5,151	6,267	-18.0%	193	76	4,551	5,760	0	0	408	431
District of Columbia	137	126	8.6%	0	0	0	0	137	126	0	0
Florida	153,993	151,511	1.6%	144,982	143,118	8,200	7,527	NM	NM	734	795
Georgia	46,693	45,033	3.7%	36,362	34,367	9,882	10,242	0	0	449	424
Maryland	15,214	13,084	16.0%	2,758	3,852	12,122	8,898	310	313	25	21
North Carolina	51,994	45,075	15.0%	45,234	38,371	6,557	6,504	NM	NM	74	70
South Carolina	17,299	18,278	-5.4%	15,773	17,464	1,448	741	0	0	79	73
Virginia	48,069	44,439	8.2%	32,852	30,876	14,615	13,005	44	8	557	550
West Virginia	2,758	3,806	-28.0%	609	888	1,915	2,729	0	0	234	189
East South Central	129,194	115,618	12.0%	101,311	89,785	25,835	23,904	84	89	1,964	1,839
Alabama	52,502	46,413	13.0%	27,080	22,721	24,560	22,865	0	0	862	827
Kentucky	17,230	13,543	27.0%	15,927	12,438	1,267	1,034	0	0	36	71
Mississippi	45,199	44,035	2.6%	44,943	43,776	7	5	0	0	249	254
Tennessee	14,262	11,628	23.0%	13,362	10,851	0	0	84	89	817	688
West South Central	347,677	349,791	-0.6%	156,982	150,185	157,531	165,283	686	599	32,478	33,725
Arkansas	21,346	20,714	3.1%	20,568	19,916	653	683	NM	NM	90	81
Louisiana	56,995	54,221	5.1%	41,384	36,662	3,343	4,855	NM	NM	12,250	12,687
Oklahoma	46,387	46,569	-0.4%	33,923	34,108	12,176	12,122	0	0	287	339
Texas	222,949	228,287	-2.3%	61,107	59,498	141,359	147,624	633	548	19,850	20,618
Mountain	123,874	110,703	12.0%	98,767	86,867	23,483	22,363	251	260	1,373	1,213
Arizona	50,950	47,242	7.8%	36,595	33,574	14,298	13,611	57	56	0	0
Colorado	16,175	14,979	8.0%	12,999	12,032	3,067	2,845	9	4	100	98
Idaho	4,926	4,621	6.6%	3,333	3,117	1,505	1,438	14	14	74	52
Montana	1,213	864	40.0%	993	773	220	91	0	0	NM	NM
Nevada	22,895	21,875	4.7%	21,190	19,893	1,329	1,341	23	24	352	617
New Mexico	11,192	10,799	3.6%	7,897	7,665	2,963	2,934	NM	48	284	153
Utah	8,860	8,581	3.3%	8,498	8,248	NM	NM	101	114	165	117
Wyoming	7,664	1,742	340.0%	7,263	1,565	4	0	0	0	397	177
Pacific Contiguous	108,662	110,229	-1.4%	44,845	42,766	57,315	60,879	782	828	5,719	5,756
California	79,134	81,859	-3.3%	27,225	25,130	45,867	50,649	765	747	5,277	5,332
Oregon	16,553	14,943	11.0%	9,059	8,750	7,424	6,136	17	18	53	39
Washington	12,974	13,428	-3.4%	8,561	8,887	4,024	4,093	0	63	389	384
Pacific Noncontiguous	3,811	3,569	6.8%	3,804	3,546	0	0	0	0	7	23
Alaska	3,811	3,569	6.8%	3,804	3,546	0	0	0	0	7	23
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,555,059	1,496,047	3.9%	840,010	772,384	658,190	665,860	4,990	4,941	51,868	52,862

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

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

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

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



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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
New England	230,242	225,625	2.0%	NM	NM	221,822	217,488	3,612	3,182	4,078	4,164
Connecticut	96,829	97,233	-0.4%	188	288	93,221	93,900	989	882	2,431	2,164
Maine	17,998	14,205	27.0%	0	0	17,611	13,416	87	86	300	702
Massachusetts	67,180	62,160	8.1%	NM	NM	63,947	59,241	2,379	2,063	317	354
New Hampshire	16,249	18,558	-12.0%	0	0	16,126	18,432	30	30	93	96
Rhode Island	31,978	33,465	-4.4%	0	0	30,917	32,500	124	118	937	848
Vermont	8	5	63.0%	6	1	0	0	2	4	0	0
Middle Atlantic	1,021,282	961,097	6.3%	71,902	62,988	927,008	875,885	5,501	4,859	16,872	17,366
New Jersey	131,103	129,373	1.3%	1,012	NM	127,442	126,110	1,275	1,097	1,374	1,369
New York	294,481	264,193	11.0%	70,748	62,122	217,490	196,637	3,841	3,320	2,402	2,114
Pennsylvania	595,698	567,531	5.0%	142	69	582,076	553,138	385	442	13,095	13,882
East North Central	997,967	927,658	7.6%	396,743	359,481	572,408	541,830	4,834	4,811	23,981	21,535
Illinois	120,881	117,795	2.6%	16,173	13,926	98,925	98,942	1,376	1,433	4,407	3,494
Indiana	166,355	161,124	3.2%	86,020	85,893	68,026	63,376	618	610	11,691	11,245
Michigan	249,344	225,635	11.0%	125,686	104,771	119,613	116,999	1,783	1,786	2,262	2,078
Ohio	335,140	304,294	10.0%	48,621	42,568	284,482	259,959	798	708	1,238	1,060
Wisconsin	126,247	118,809	6.3%	120,243	112,323	1,361	2,554	260	274	4,382	3,658
West North Central	231,654	203,954	14.0%	197,105	169,919	26,647	26,906	1,200	1,190	6,702	5,940
Iowa	44,078	45,064	-2.2%	41,327	42,612	NM	NM	513	481	2,233	1,968
Kansas	34,347	25,912	33.0%	32,727	24,361	0	0	0	0	1,620	1,550
Minnesota	67,516	56,623	19.0%	46,942	37,826	18,049	16,537	245	281	2,280	1,979
Missouri	48,819	44,104	11.0%	39,736	33,222	8,594	10,365	406	422	84	95
Nebraska	13,408	11,377	18.0%	13,303	11,372	0	0	36	5	69	0
North Dakota	11,401	10,370	9.9%	11,313	10,299	0	0	0	0	88	70
South Dakota	12,084	10,504	15.0%	11,757	10,227	0	0	0	0	328	277
South Atlantic	1,786,148	1,725,222	3.5%	1,476,984	1,436,744	288,015	267,386	4,217	3,961	16,932	17,132
Delaware	18,504	20,331	-9.0%	384	115	15,528	16,972	0	0	2,592	3,244
District of Columbia	804	722	11.0%	0	0	0	0	804	722	0	0
Florida	837,143	807,814	3.6%	790,289	763,827	41,969	38,717	481	446	4,404	4,823
Georgia	249,791	261,601	-4.5%	197,026	206,787	49,350	51,897	0	0	3,414	2,917
Maryland	61,995	64,750	-4.3%	12,005	18,336	47,856	44,385	1,983	1,888	151	140
North Carolina	250,111	241,020	3.8%	211,395	202,028	37,415	37,646	839	798	462	548
South Carolina	95,916	106,357	-9.8%	91,062	103,305	4,333	2,490	0	0	521	561
Virginia	254,033	205,535	24.0%	172,829	138,823	77,203	63,058	109	106	3,892	3,548
West Virginia	17,851	17,093	4.4%	1,994	3,523	14,361	12,221	0	0	1,496	1,349
East South Central	657,811	612,681	7.4%	519,912	454,448	124,122	145,549	590	574	13,188	12,110
Alabama	255,578	247,578	3.2%	129,842	99,320	120,029	142,859	0	0	5,707	5,399
Kentucky	78,405	61,452	28.0%	73,837	58,300	4,064	2,649	0	0	504	503
Mississippi	252,709	235,621	7.3%	250,983	233,901	29	41	0	0	1,698	1,679
Tennessee	71,119	68,029	4.5%	65,250	62,927	0	0	590	574	5,279	4,528
West South Central	1,807,121	1,731,401	4.4%	768,901	715,691	813,017	791,837	3,558	2,954	221,645	220,920
Arkansas	98,183	109,483	-10.0%	93,359	105,096	4,018	3,631	NM	231	571	525
Louisiana	318,420	297,549	7.0%	213,229	190,752	19,401	22,429	183	134	85,607	84,234
Oklahoma	221,481	200,614	10.0%	159,969	138,749	59,283	59,530	2	0	2,227	2,335
Texas	1,169,037	1,123,754	4.0%	302,345	281,094	730,315	706,247	3,139	2,589	133,239	133,825
Mountain	582,116	545,526	6.7%	468,651	434,210	103,868	103,216	1,610	1,537	7,986	6,563
Arizona	221,006	213,211	3.7%	160,181	153,583	60,473	59,307	351	320	0	0
Colorado	84,862	78,047	8.7%	69,346	63,797	14,769	13,584	19	8	728	658
Idaho	24,121	21,498	12.0%	15,713	13,469	7,818	7,599	99	100	491	330
Montana	5,579	5,787	-3.6%	4,578	5,108	997	676	0	0	NM	NM
Nevada	106,817	102,037	4.7%	100,052	94,646	4,362	5,123	154	156	2,249	2,112
New Mexico	61,231	64,253	-4.7%	45,574	47,338	14,877	16,312	271	289	509	315
Utah	51,892	50,401	3.0%	49,364	48,460	NM	610	716	664	1,250	667
Wyoming	26,608	10,293	159.0%	23,842	7,810	10	4	0	0	2,757	2,479
Pacific Contiguous	485,178	494,073	-1.8%	201,616	197,940	241,080	254,505	5,149	5,882	37,333	35,746
California	326,457	342,128	-4.6%	106,834	105,298	180,595	198,970	5,005	5,001	34,024	32,860
Oregon	92,230	84,898	8.6%	48,110	47,893	43,633	36,569	125	118	362	317
Washington	66,491	67,046	-0.8%	46,672	44,749	16,852	18,966	19	762	2,947	2,569
Pacific Noncontiguous	19,134	18,394	4.0%	19,036	18,239	0	0	1	0	98	154
Alaska	19,134	18,394	4.0%	19,036	18,239	0	0	1	0	98	154
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	7,818,653	7,445,629	5.0%	4,121,579	3,850,451	3,317,988	3,224,600	30,272	28,950	348,813	341,627

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

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

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
New England	895	902	-0.7%	NM	85	798	798	10	19	0	0
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	NM	NM	NM	0	0	NM	NM	0	0	0	0
Massachusetts	222	212	4.5%	0	0	222	212	0	0	0	0
New Hampshire	116	121	-4.2%	0	0	NM	102	10	19	0	0
Rhode Island	414	415	-0.2%	0	0	414	415	0	0	0	0
Vermont	NM	98	NM	NM	85	0	NM	0	0	0	0
Middle Atlantic	2,693	2,667	1.0%	0	0	2,551	2,532	NM	NM	108	88
New Jersey	287	307	-6.4%	0	0	282	296	NM	NM	0	0
New York	1,360	1,245	9.2%	0	0	1,360	1,245	0	0	0	0
Pennsylvania	1,045	1,115	-6.3%	0	0	908	991	NM	NM	108	88
East North Central	3,513	3,655	-3.9%	678	685	2,811	2,934	6	18	19	17
Illinois	658	609	8.1%	204	210	454	399	0	0	0	0
Indiana	549	574	-4.2%	474	475	76	99	0	0	0	0
Michigan	1,426	1,580	-9.7%	0	0	1,426	1,580	0	0	0	0
Ohio	238	233	2.3%	0	0	238	233	0	0	0	0
Wisconsin	642	660	-2.8%	0	0	617	624	6	18	19	17
West North Central	673	647	4.0%	276	243	387	394	0	0	NM	NM
Iowa	164	175	-6.5%	0	0	164	175	0	0	0	0
Kansas	NM	122	NM	0	0	NM	122	0	0	0	0
Minnesota	NM	83	NM	NM	NM	NM	NM	0	0	0	0
Missouri	NM	113	NM	NM	NM	NM	NM	0	0	0	0
Nebraska	155	143	8.5%	155	143	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	NM	NM	NM	0	0	0	0	0	0	NM	NM
South Atlantic	3,268	3,339	-2.1%	235	159	2,953	3,092	NM	NM	NM	74
Delaware	NM	125	NM	0	0	NM	109	0	0	NM	NM
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	686	676	1.5%	96	NM	590	634	0	0	0	0
Georgia	453	440	2.8%	0	0	453	440	0	0	0	0
Maryland	NM	122	NM	0	0	NM	122	0	0	0	0
North Carolina	684	773	-11.0%	0	0	684	773	0	0	0	0
South Carolina	210	193	8.9%	NM	117	NM	NM	0	0	NM	NM
Virginia	971	1,003	-3.2%	0	0	960	990	NM	NM	0	0
West Virginia	NM	NM	NM	0	0	NM	NM	0	0	0	0
East South Central	377	394	-4.3%	159	180	219	214	0	0	0	0
Alabama	NM	NM	NM	0	0	NM	NM	0	0	0	0
Kentucky	191	211	-9.7%	159	180	NM	NM	0	0	0	0
Mississippi	NM	NM	NM	0	0	NM	NM	0	0	0	0
Tennessee	NM	89	NM	0	0	NM	89	0	0	0	0
West South Central	377	499	-24.0%	0	0	377	499	0	0	0	0
Arkansas	NM	98	NM	0	0	NM	98	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	NM	NM	NM	0	0	NM	NM	0	0	0	0
Texas	251	326	-23.0%	0	0	251	326	0	0	0	0
Mountain	567	484	17.0%	NM	NM	433	365	NM	76	0	0
Arizona	NM	NM	NM	0	0	NM	NM	0	0	0	0
Colorado	NM	NM	NM	0	0	NM	NM	0	0	0	0
Idaho	137	115	19.0%	NM	NM	NM	NM	NM	NM	0	0
Montana	NM	NM	NM	NM	NM	0	0	0	0	0	0
Nevada	NM	116	NM	0	0	NM	116	0	0	0	0
New Mexico	0	NM	NM	0	0	0	NM	0	0	0	0
Utah	179	100	79.0%	0	0	NM	77	NM	23	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	3,809	3,858	-1.3%	NM	115	2,835	2,790	857	952	0	0
California	3,309	3,382	-2.1%	NM	NM	2,476	2,455	828	921	0	0
Oregon	422	403	4.8%	NM	110	282	261	NM	NM	0	0
Washington	NM	NM	NM	0	0	NM	NM	0	0	0	0
Pacific Noncontiguous	69	61	13.0%	0	0	0	0	69	61	0	0
Alaska	69	61	13.0%	0	0	0	0	69	61	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	16,240	16,505	-1.6%	1,602	1,511	13,363	13,618	1,070	1,186	205	190

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

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

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
New England	6,213	6,201	0.2%	590	582	5,517	5,497	106	121	0	0
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	289	293	-1.5%	0	0	289	293	0	0	0	0
Massachusetts	1,539	1,490	3.3%	0	0	1,539	1,490	0	0	0	0
New Hampshire	828	835	-0.9%	0	0	722	714	106	121	0	0
Rhode Island	2,822	2,822	0.0%	0	0	2,822	2,822	0	0	0	0
Vermont	644	675	-4.5%	590	582	NM	93	0	0	0	0
Middle Atlantic	17,488	18,344	-4.7%	0	0	16,637	17,369	178	220	673	755
New Jersey	1,989	2,300	-14.0%	0	0	1,960	2,266	NM	NM	0	0
New York	8,544	8,337	2.5%	0	0	8,544	8,337	0	0	0	0
Pennsylvania	6,955	7,708	-9.8%	0	0	6,132	6,766	150	186	673	755
East North Central	23,862	25,611	-6.8%	4,692	4,939	18,990	20,423	50	130	130	120
Illinois	4,102	4,146	-1.0%	1,314	1,447	2,789	2,699	0	0	0	0
Indiana	4,056	4,195	-3.3%	3,378	3,492	678	703	0	0	0	0
Michigan	9,576	10,876	-12.0%	0	0	9,576	10,876	0	0	0	0
Ohio	1,606	1,794	-10.0%	0	0	1,606	1,794	0	0	0	0
Wisconsin	4,521	4,600	-1.7%	0	0	4,341	4,351	50	130	130	120
West North Central	4,620	4,525	2.1%	1,900	1,749	2,655	2,711	0	0	65	66
Iowa	1,150	1,214	-5.3%	0	0	1,150	1,214	0	0	0	0
Kansas	820	831	-1.3%	0	0	820	831	0	0	0	0
Minnesota	661	596	11.0%	404	340	256	256	0	0	0	0
Missouri	992	842	18.0%	564	433	429	409	0	0	0	0
Nebraska	932	976	-4.5%	932	976	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	65	66	-1.2%	0	0	0	0	0	0	65	66
South Atlantic	23,136	23,050	0.4%	1,780	1,428	20,790	21,014	NM	NM	496	529
Delaware	863	859	0.5%	0	0	757	750	0	0	106	109
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	4,741	4,536	4.5%	685	537	4,056	3,999	0	0	0	0
Georgia	3,149	3,027	4.0%	0	0	3,147	3,017	0	0	2	10
Maryland	874	845	3.3%	0	0	874	845	0	0	0	0
North Carolina	4,752	5,038	-5.7%	0	0	4,752	5,038	0	0	0	0
South Carolina	1,605	1,425	13.0%	1,095	890	NM	124	0	0	388	410
Virginia	7,071	7,263	-2.6%	0	0	7,001	7,183	NM	NM	0	0
West Virginia	81	NM	NM	0	0	81	NM	0	0	0	0
East South Central	2,571	2,670	-3.7%	1,073	1,210	1,499	1,460	0	0	0	0
Alabama	524	525	-0.2%	0	0	524	525	0	0	0	0
Kentucky	1,316	1,417	-7.1%	1,073	1,210	243	207	0	0	0	0
Mississippi	NM	116	NM	0	0	NM	116	0	0	0	0
Tennessee	614	612	0.4%	0	0	614	612	0	0	0	0
West South Central	2,967	3,428	-13.0%	0	0	2,967	3,428	0	0	0	0
Arkansas	536	675	-21.0%	0	0	536	675	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	469	499	-6.0%	0	0	469	499	0	0	0	0
Texas	1,962	2,254	-13.0%	0	0	1,962	2,254	0	0	0	0
Mountain	3,541	3,375	4.9%	364	295	2,663	2,575	514	505	0	0
Arizona	248	247	0.6%	0	0	248	247	0	0	0	0
Colorado	506	505	0.3%	0	0	506	505	0	0	0	0
Idaho	915	783	17.0%	239	192	281	232	396	359	0	0
Montana	125	103	22.0%	125	103	0	0	0	0	0	0
Nevada	866	814	6.3%	0	0	866	814	0	0	0	0
New Mexico	140	194	-28.0%	0	0	140	194	0	0	0	0
Utah	741	730	1.5%	0	0	622	583	119	146	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	25,762	26,753	-3.7%	776	784	19,069	19,256	5,917	6,713	0	0
California	22,286	23,400	-4.8%	NM	NM	16,535	16,867	5,716	6,495	0	0
Oregon	2,931	2,838	3.3%	740	746	1,990	1,874	201	218	0	0
Washington	545	515	5.7%	0	0	545	515	0	0	0	0
Pacific Noncontiguous	464	415	12.0%	0	0	0	0	464	415	0	0
Alaska	464	415	12.0%	0	0	0	0	464	415	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	110,624	114,373	-3.3%	11,175	10,986	90,785	93,732	7,299	8,185	1,365	1,470

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

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
New England	255	268	-4.9%	0	0	165	171	90	98	0	0
Connecticut	76	77	-1.0%	0	0	76	77	0	0	0	0
Maine	13	14	-7.6%	0	0	9	10	3	4	0	0
Massachusetts	157	168	-6.2%	0	0	70	74	87	94	0	0
New Hampshire	9	10	-8.0%	0	0	9	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	417	427	-2.3%	0	0	168	177	249	249	0	0
New Jersey	108	112	-3.5%	0	0	30	30	78	82	0	0
New York	154	154	0.3%	0	0	25	26	129	128	0	0
Pennsylvania	155	161	-3.9%	0	0	113	121	42	40	0	0
East North Central	16	15	5.3%	4	3	0	0	12	12	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	1	2	-11.0%	0	0	0	0	1	2	0	0
Michigan	11	10	2.9%	0	0	0	0	11	10	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	4	3	20.0%	4	3	0	0	0	0	0	0
West North Central	46	38	22.0%	24	21	22	17	NM	NM	0	0
Iowa	0	0	--	0	0	0	0	0	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	46	38	22.0%	24	21	22	17	NM	NM	0	0
Missouri	0	0	--	0	0	0	0	0	0	0	0
Nebraska	0	0	--	0	0	0	0	0	0	0	0
North Dakota	0	0	--	0	0	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	413	418	-1.1%	0	0	227	226	187	191	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	284	275	2.9%	0	0	173	172	110	103	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	54	54	-0.3%	0	0	54	54	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	76	88	-14.0%	0	0	0	0	76	88	0	0
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	0	0	--	0	0	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	0	0	--	0	0	0	0	0	0	0	0
Mississippi	0	0	--	0	0	0	0	0	0	0	0
Tennessee	0	0	--	0	0	0	0	0	0	0	0
West South Central	1	0	--	0	0	0	0	1	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	0	0	--	0	0	0	0	0	0	0	0
Oklahoma	1	0	--	0	0	0	0	1	0	0	0
Texas	0	0	--	0	0	0	0	0	0	0	0
Mountain	0	0	--	0	0	0	0	0	0	0	0
Arizona	0	0	--	0	0	0	0	0	0	0	0
Colorado	0	0	--	0	0	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	0	0	--	0	0	0	0	0	0	0	0
Nevada	0	0	--	0	0	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	0	0	--	0	0	0	0	0	0	0	0
Wyoming	0	0	--	0	0	0	0	0	0	0	0
Pacific Contiguous	30	42	-29.0%	0	0	22	29	8	13	0	0
California	8	27	-71.0%	0	0	0	14	8	13	0	0
Oregon	8	3	172.0%	0	0	8	3	0	0	0	0
Washington	14	12	14.0%	0	0	14	12	0	0	0	0
Pacific Noncontiguous	29	37	-23.0%	0	0	0	0	29	37	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	29	37	-23.0%	0	0	0	0	29	37	0	0
U.S. Total	1,207	1,245	-3.1%	28	24	604	620	574	601	0	0

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

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

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

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



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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
New England	1,718	1,703	0.8%	0	0	1,115	1,097	602	607	0	0
Connecticut	503	491	2.6%	0	0	503	491	0	0	0	0
Maine	84	93	-10.0%	0	0	60	63	24	30	0	0
Massachusetts	1,067	1,055	1.1%	0	0	488	479	578	576	0	0
New Hampshire	64	64	-0.4%	0	0	64	64	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	2,835	2,725	4.0%	0	0	1,158	1,159	1,676	1,565	0	0
New Jersey	754	724	4.2%	0	0	202	198	552	526	0	0
New York	1,008	957	5.3%	0	0	173	173	834	784	0	0
Pennsylvania	1,072	1,044	2.7%	0	0	783	788	290	256	0	0
East North Central	98	96	2.1%	22	20	0	0	76	75	0	0
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	9	10	-6.5%	0	0	0	0	9	10	0	0
Michigan	67	66	2.0%	0	0	0	0	67	66	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	22	20	6.5%	22	20	0	0	0	0	0	0
West North Central	259	252	2.8%	134	133	125	119	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	259	252	2.8%	134	133	125	119	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	2,601	2,726	-4.6%	0	0	1,365	1,463	1,237	1,262	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	1,696	1,826	-7.1%	0	0	1,035	1,160	660	666	0	0
Georgia	0	0	--	0	0	0	0	0	0	0	0
Maryland	329	304	8.5%	0	0	329	304	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	576	597	-3.4%	0	0	0	0	576	597	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	0	--	0	0	0	0	3	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	3	0	--	0	0	0	0	3	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	205	290	-29.0%	0	0	146	218	58	72	0	0
California	68	164	-59.0%	0	0	10	92	58	72	0	0
Oregon	45	40	12.0%	0	0	45	40	0	0	0	0
Washington	92	85	7.2%	0	0	92	85	0	0	0	0
Pacific Noncontiguous	197	218	-9.3%	0	0	0	0	197	218	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	197	218	-9.3%	0	0	0	0	197	218	0	0
U.S. Total	7,915	8,009	-1.2%	156	153	3,910	4,056	3,850	3,800	0	0

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

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

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

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
New England	2,242	3,011	-26.0%	164	518	1,814	2,226	1	0	264	267
Connecticut	NM	NM	NM	0	0	NM	NM	0	0	0	0
Maine	1,016	1,182	-14.0%	0	0	752	915	0	0	264	267
Massachusetts	NM	NM	NM	0	0	NM	NM	0	0	0	0
New Hampshire	726	899	-19.0%	0	0	726	899	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	292	679	-57.0%	164	518	NM	NM	1	0	0	0
Middle Atlantic	210	222	-5.1%	0	0	1	0	0	0	210	221
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	67	NM	NM	0	0	0	0	0	0	67	NM
Pennsylvania	144	157	-8.3%	0	0	1	0	0	0	143	156
East North Central	1,875	2,043	-8.2%	592	558	865	1,066	0	0	418	419
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	1,121	1,292	-13.0%	0	0	861	1,062	0	0	260	229
Ohio	61	84	-28.0%	0	0	4	3	0	0	56	81
Wisconsin	693	667	3.9%	592	558	0	0	0	0	102	109
West North Central	478	408	17.0%	NM	NM	105	NM	110	58	246	243
Iowa	2	0	--	0	0	0	0	2	0	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	424	366	16.0%	NM	NM	105	NM	78	36	224	222
Missouri	30	22	36.0%	0	0	0	0	30	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	NM	NM	0	0	0	0	0	0	NM	NM
South Atlantic	9,233	9,347	-1.2%	1,988	1,976	2,693	3,071	0	0	4,552	4,300
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	1,093	1,068	2.4%	636	463	0	0	0	0	458	605
Georgia	3,864	3,825	1.0%	0	0	1,918	1,957	0	0	1,945	1,869
Maryland	0	0	--	0	0	0	0	0	0	0	0
North Carolina	460	635	-28.0%	0	0	35	223	0	0	425	411
South Carolina	1,224	1,166	5.0%	0	0	424	489	0	0	800	677
Virginia	2,592	2,653	-2.3%	1,352	1,513	316	402	0	0	924	737
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	2,596	2,608	-0.5%	0	0	0	0	0	0	2,596	2,608
Alabama	1,823	1,798	1.4%	0	0	0	0	0	0	1,823	1,798
Kentucky	139	116	19.0%	0	0	0	0	0	0	139	116
Mississippi	458	507	-9.7%	0	0	0	0	0	0	458	507
Tennessee	177	188	-6.2%	0	0	0	0	0	0	177	188
West South Central	2,144	2,606	-18.0%	408	997	0	0	0	0	1,736	1,609
Arkansas	329	267	23.0%	0	0	0	0	0	0	329	267
Louisiana	945	926	2.1%	0	0	0	0	0	0	945	926
Oklahoma	136	104	30.0%	0	0	0	0	0	0	136	104
Texas	734	1,308	-44.0%	408	997	0	0	0	0	326	311
Mountain	251	459	-45.0%	0	0	NM	310	0	0	73	149
Arizona	NM	NM	NM	0	0	NM	NM	0	0	0	0
Colorado	0	82	-100.0%	0	0	0	82	0	0	0	0
Idaho	58	140	-58.0%	0	0	NM	13	0	0	50	127
Montana	23	22	5.0%	0	0	0	0	0	0	23	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	4,255	4,868	-13.0%	NM	359	2,251	2,843	0	0	1,719	1,666
California	2,920	3,305	-12.0%	0	0	2,033	2,569	0	0	887	737
Oregon	601	601	-0.1%	0	0	NM	NM	0	0	383	327
Washington	734	962	-24.0%	NM	359	0	0	0	0	449	603
Pacific Noncontiguous	NM	NM	NM	0	0	NM	NM	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	NM	NM	NM	0	0	NM	NM	0	0	0	0
U.S. Total	23,333	25,631	-9.0%	3,453	4,424	7,955	9,667	111	58	11,814	11,482

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

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

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

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
New England	14,946	16,393	-8.8%	1,519	1,961	11,794	12,572	5	3	1,628	1,857
Connecticut	602	645	-6.6%	0	0	602	645	0	0	0	0
Maine	6,688	7,230	-7.5%	0	0	5,060	5,372	0	0	1,628	1,857
Massachusetts	362	388	-6.6%	0	0	362	388	0	0	0	0
New Hampshire	4,813	5,153	-6.6%	0	0	4,813	5,153	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	2,481	2,978	-17.0%	1,519	1,961	957	1,014	5	3	0	0
Middle Atlantic	1,458	2,877	-49.0%	0	0	2	1,409	0	0	1,456	1,468
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	484	1,839	-74.0%	0	0	0	1,408	0	0	484	431
Pennsylvania	974	1,039	-6.2%	0	0	2	2	0	0	972	1,037
East North Central	11,174	11,942	-6.4%	2,789	3,197	5,504	5,911	0	0	2,881	2,834
Illinois	0	0	--	0	0	0	0	0	0	0	0
Indiana	0	0	--	0	0	0	0	0	0	0	0
Michigan	7,298	7,496	-2.6%	0	0	5,479	5,879	0	0	1,819	1,616
Ohio	355	508	-30.0%	0	0	26	32	0	0	330	477
Wisconsin	3,521	3,938	-11.0%	2,789	3,197	0	0	0	0	732	741
West North Central	3,027	2,885	4.9%	69	NM	708	669	373	329	1,877	1,814
Iowa	31	22	38.0%	0	0	0	0	31	22	0	0
Kansas	0	0	--	0	0	0	0	0	0	0	0
Minnesota	2,699	2,596	3.9%	69	NM	708	669	192	182	1,730	1,672
Missouri	150	124	21.0%	0	0	0	0	150	124	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	147	143	3.2%	0	0	0	0	0	0	147	143
South Atlantic	63,212	64,676	-2.3%	11,694	11,365	19,960	21,466	0	42	31,558	31,803
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	6,594	6,744	-2.2%	3,266	2,589	0	0	0	0	3,328	4,155
Georgia	26,264	26,150	0.4%	0	0	12,637	12,899	0	0	13,627	13,251
Maryland	0	42	-100.0%	0	0	0	0	0	42	0	0
North Carolina	4,552	5,269	-14.0%	0	0	1,679	2,170	0	0	2,872	3,099
South Carolina	8,654	8,817	-1.9%	0	0	3,158	3,759	0	0	5,496	5,058
Virginia	17,149	17,653	-2.9%	8,427	8,776	2,486	2,637	0	0	6,235	6,241
West Virginia	0	0	--	0	0	0	0	0	0	0	0
East South Central	17,810	17,724	0.5%	0	0	0	0	0	0	17,810	17,724
Alabama	12,455	12,254	1.6%	0	0	0	0	0	0	12,455	12,254
Kentucky	943	873	8.0%	0	0	0	0	0	0	943	873
Mississippi	3,306	3,526	-6.2%	0	0	0	0	0	0	3,306	3,526
Tennessee	1,105	1,070	3.3%	0	0	0	0	0	0	1,105	1,070
West South Central	13,983	13,855	0.9%	2,010	2,364	0	0	0	0	11,974	11,492
Arkansas	2,326	2,041	14.0%	0	0	0	0	0	0	2,326	2,041
Louisiana	6,466	6,374	1.5%	0	0	0	0	0	0	6,466	6,374
Oklahoma	954	893	6.9%	0	0	0	0	0	0	954	893
Texas	4,237	4,549	-6.8%	2,010	2,364	0	0	0	0	2,227	2,185
Mountain	2,351	2,997	-22.0%	0	0	1,562	2,006	0	0	789	991
Arizona	1,317	1,396	-5.7%	0	0	1,317	1,396	0	0	0	0
Colorado	209	535	-61.0%	0	0	209	535	0	0	0	0
Idaho	730	932	-22.0%	0	0	36	75	0	0	694	857
Montana	96	134	-29.0%	0	0	0	0	0	0	96	134
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	28,879	31,788	-9.2%	2,067	2,188	15,695	17,456	0	0	11,117	12,144
California	19,834	21,277	-6.8%	0	0	14,150	15,823	0	0	5,684	5,455
Oregon	4,123	4,027	2.4%	0	0	1,545	1,634	0	0	2,579	2,393
Washington	4,921	6,484	-24.0%	2,067	2,188	0	0	0	0	2,854	4,296
Pacific Noncontiguous	318	336	-5.3%	0	0	318	336	0	0	0	0
Alaska	0	0	--	0	0	0	0	0	0	0	0
Hawaii	318	336	-5.3%	0	0	318	336	0	0	0	0
U.S. Total	157,158	165,473	-5.0%	20,147	21,148	55,544	61,824	378	374	81,090	82,126

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

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

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

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

## Chapter 3

# Fossil-Fuel Stocks for Electricity Generation



Table 3.1. Stocks of Coal, Petroleum Liquids, and Petroleum Coke: Electric Power Sector, 2014 - July 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	131,426	22,812	428	109,954	14,148	421	21,472	8,664	7
Year 2022, End of Month Stocks									
January	84,541	24,166	336	70,468	14,938	324	14,073	9,228	12
February	81,034	24,252	299	68,800	15,159	287	12,234	9,092	12
March	86,143	23,755	350	73,271	15,156	340	12,872	8,599	10
April	90,746	23,758	424	76,913	15,311	416	13,833	8,446	8
May	92,692	24,025	454	78,852	15,053	425	13,840	8,972	29
June	86,869	24,078	423	73,119	15,309	408	13,750	8,769	16
July	79,172	25,707	474	66,434	15,384	459	12,738	10,323	15
August	75,570	22,794	490	64,278	14,882	479	11,292	7,912	11
Sept	79,354	22,484	405	67,442	14,704	397	11,912	7,780	8
October	87,342	22,771	351	73,276	14,779	344	14,066	7,992	7
November	93,203	23,678	408	78,597	14,925	393	14,605	8,753	15
December	88,861	22,812	318	74,917	14,204	297	13,943	8,608	21
Year 2023, End of Month Stocks									
January	92,604	24,053	374	77,001	14,787	360	15,603	9,267	14
February	99,700	24,296	368	82,181	14,931	356	17,519	9,365	12
March	109,004	23,593	513	89,846	14,802	505	19,158	8,791	8
April	118,035	23,545	607	97,176	14,765	598	20,859	8,780	9
May	126,414	23,326	600	104,282	14,590	592	22,132	8,735	9
June	127,710	23,556	533	104,960	14,752	525	22,749	8,804	8
July	121,590	23,574	441	100,325	14,827	435	21,265	8,747	6
August	118,144	22,904	356	98,068	14,429	348	20,076	8,475	8
Sept	116,635	22,876	279	96,684	14,473	273	19,951	8,403	6
October	121,621	22,737	284	101,093	14,306	279	20,527	8,431	5
November	131,266	22,749	362	109,892	14,153	357	21,374	8,596	5
December	131,426	22,812	428	109,954	14,148	421	21,472	8,664	7
Year 2024, End of Month Stocks									
January	121,722	22,238	312	102,168	13,676	306	19,554	8,563	6
February	127,107	22,410	309	105,995	13,703	301	21,112	8,706	8
March	133,607	22,320	333	110,604	13,696	328	23,004	8,623	5
April	136,940	22,224	309	113,232	13,724	302	23,708	8,501	7
May	137,759	22,110	313	114,349	13,552	307	23,410	8,558	6
June	133,475	22,277	322	110,559	13,675	317	22,916	8,602	5
July	125,917	21,918	385	104,383	13,411	379	21,533	8,507	6

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

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

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

Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following: Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report; Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.

**Table 3.2 Stocks of Coal, Petroleum Liquids, and Petroleum Coke:  
Electric Power Sector, by State, July 2024 and 2023**

Census Division and State	Coal (Thousand Tons)			Petroleum Liquids (Thousand Barrels)			Petroleum Coke (Thousand Tons)		
	July 2024	July 2023	Percentage Change	July 2024	July 2023	Percentage Change	July 2024	July 2023	Percentage Change
New England	W	W	W	2,470	2,391	3.3%	0	0	--
Connecticut	0	0	--	1,058	972	8.9%	0	0	--
Maine	0	0	--	243	250	-3.1%	0	0	--
Massachusetts	0	0	--	825	881	-6.4%	0	0	--
New Hampshire	W	W	W	197	132	48.8%	0	0	--
Rhode Island	0	0	--	124	128	-3.0%	0	0	--
Vermont	0	0	--	24	27	-12.0%	0	0	--
Middle Atlantic	1,862	2,570	-27.5%	4,607	4,473	3.0%	0	0	--
New Jersey	0	0	--	411	431	-4.7%	0	0	--
New York	0	0	--	3,131	2,915	7.4%	0	0	--
Pennsylvania	1,862	2,570	-27.5%	1,065	1,127	-5.5%	0	0	--
East North Central	25,604	25,650	-0.2%	788	1,771	-55.5%	W	W	W
Illinois	5,526	4,776	15.7%	73	73	0.8%	0	0	--
Indiana	8,718	9,352	-6.8%	95	469	-79.7%	0	0	--
Michigan	4,635	4,018	15.4%	170	196	-13.3%	W	W	W
Ohio	3,448	4,283	-19.5%	276	300	-8.1%	0	0	--
Wisconsin	3,277	3,221	1.7%	174	734	-76.3%	W	W	W
West North Central	25,564	24,437	4.6%	894	941	-5.0%	0	0	--
Iowa	5,504	4,496	22.4%	67	81	-16.9%	0	0	--
Kansas	5,049	4,548	11.0%	251	217	15.7%	0	0	--
Minnesota	2,692	2,883	-6.6%	73	98	-25.5%	0	0	--
Missouri	6,577	7,141	-7.9%	353	379	-6.8%	0	0	--
Nebraska	3,682	3,248	13.4%	55	78	-29.5%	0	0	--
North Dakota	W	W	W	35	38	-8.2%	0	0	--
South Dakota	W	W	W	60	50	19.9%	0	0	--
South Atlantic	17,580	17,483	0.6%	8,758	8,980	-2.5%	W	W	W
Delaware	W	W	W	397	398	-0.2%	0	0	--
District of Columbia	0	0	--	0	0	--	0	0	--
Florida	1,848	1,831	0.9%	3,796	3,801	-0.1%	W	W	W
Georgia	W	W	W	1,249	1,198	4.2%	0	0	--
Maryland	W	768	W	587	601	-2.3%	0	0	--
North Carolina	3,740	3,432	9.0%	942	1,038	-9.2%	0	0	--
South Carolina	2,395	2,502	-4.3%	486	536	-9.5%	0	0	--
Virginia	W	W	W	1,164	1,277	-8.8%	0	0	--
West Virginia	4,572	4,315	6.0%	137	131	4.7%	W	W	W
East South Central	11,958	11,764	1.6%	926	1,135	-18.4%	0	0	--
Alabama	3,697	3,003	23.1%	253	257	-1.6%	0	0	--
Kentucky	6,040	6,766	-10.7%	243	252	-3.7%	0	0	--
Mississippi	W	W	W	6	2	174.5%	0	0	--
Tennessee	W	W	W	425	624	-32.0%	0	0	--
West South Central	25,684	24,536	4.7%	1,841	2,003	-8.1%	W	W	W
Arkansas	4,183	4,372	-4.3%	162	154	5.6%	0	0	--
Louisiana	3,998	3,942	1.4%	196	198	-1.0%	W	W	W
Oklahoma	4,075	3,553	14.7%	22	18	18.4%	0	0	--
Texas	13,428	12,668	6.0%	1,460	1,632	-10.5%	0	0	--
Mountain	W	W	W	329	318	3.4%	W	W	W
Arizona	3,643	3,614	0.8%	157	122	28.8%	0	0	--
Colorado	2,872	3,098	-7.3%	98	107	-8.2%	0	0	--
Idaho	0	0	--	0	0	-31.1%	0	0	--
Montana	W	W	W	12	13	-6.4%	W	W	W
Nevada	W	W	W	2	2	2.8%	0	0	--
New Mexico	0	0	--	2	4	-55.2%	0	0	--
Utah	4,034	W	W	26	36	-27.9%	0	0	--
Wyoming	W	3,382	W	32	34	-6.0%	0	0	--
Pacific Contiguous	W	W	W	308	345	-10.8%	0	0	--
California	0	0	--	155	178	-12.7%	0	0	--
Oregon	0	0	--	45	60	-24.2%	0	0	--
Washington	W	W	W	108	108	-0.1%	0	0	--
Pacific Noncontiguous	0	0	--	996	1,217	-18.2%	0	0	--
Alaska	0	0	--	4	10	-61.1%	0	0	--
Hawaii	0	0	--	992	1,207	-17.8%	0	0	--
U.S. Total	125,917	121,590	3.6%	21,918	23,574	-7.0%	385	441	-12.7%

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

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

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

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

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

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

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

Census Division	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023
<b>Coal (Thousand Tons)</b>							
New England	W	W	W	0	0	W	W
Middle Atlantic	1,862	2,570	-27.5%	W	W	W	W
East North Central	25,604	25,650	-0.2%	17,479	17,750	8,125	7,899
West North Central	25,564	24,437	4.6%	25,564	24,437	0	0
South Atlantic	17,580	17,483	0.6%	16,745	16,141	834	1,342
East South Central	11,958	11,764	1.6%	11,958	11,764	0	0
West South Central	25,684	24,536	4.7%	16,559	16,845	9,125	7,691
Mountain	W	W	W	W	W	W	W
Pacific Contiguous	W	W	W	0	0	W	W
Pacific Noncontiguous	0	0	--	0	0	0	0
<b>U.S. Total</b>	<b>125,917</b>	<b>121,590</b>	<b>3.6%</b>	<b>104,383</b>	<b>100,325</b>	<b>21,533</b>	<b>21,265</b>
<b>Petroleum Liquids (Thousand Barrels)</b>							
New England	2,470	2,391	3.3%	200	160	2,271	2,231
Middle Atlantic	4,607	4,473	3.0%	1,880	1,871	2,727	2,602
East North Central	788	1,771	-55.5%	575	1,178	213	593
West North Central	894	941	-5.0%	868	914	26	27
South Atlantic	8,758	8,980	-2.5%	6,807	7,004	1,950	1,976
East South Central	926	1,135	-18.4%	888	1,097	38	39
West South Central	1,841	2,003	-8.1%	702	858	1,139	1,145
Mountain	329	318	3.4%	304	293	25	25
Pacific Contiguous	308	345	-10.8%	229	256	79	89
Pacific Noncontiguous	996	1,217	-18.2%	958	1,197	38	20
<b>U.S. Total</b>	<b>21,918</b>	<b>23,574</b>	<b>-7.0%</b>	<b>13,411</b>	<b>14,827</b>	<b>8,507</b>	<b>8,747</b>
<b>Petroleum Coke (Thousand Tons)</b>							
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
<b>U.S. Total</b>	<b>385</b>	<b>441</b>	<b>-12.7%</b>	<b>379</b>	<b>435</b>	<b>6</b>	<b>6</b>

W = Withheld to avoid disclosure of individual company data.

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

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

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

**Table 3.4. Stocks of Coal by Coal Rank: Electric Power Sector, 2014 - July 2024  
(Thousand Tons)**

Period	Electric Power Sector			Total
	Bituminous Coal	Subbituminous Coal	Lignite Coal	
<b>End of Year Stocks</b>				
2014	72,771	72,552	6,225	151,548
2015	82,004	108,614	4,931	195,548
2016	67,241	90,376	4,393	162,009
2017	56,140	77,875	3,672	137,687
2018	41,507	58,247	3,039	102,793
2019	54,769	69,942	3,124	128,102
2020	50,649	77,033	3,556	131,431
2021	34,560	54,726	2,598	91,884
2022	35,194	50,704	2,956	88,861
2023	44,522	83,240	3,437	131,426
<b>Year 2022, End of Month Stocks</b>				
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
<b>Year 2023, End of Month Stocks</b>				
January	37,881	51,702	3,014	92,604
February	40,038	56,636	3,022	99,700
March	41,609	64,400	2,990	109,004
April	41,713	72,777	3,330	118,035
May	44,954	77,744	3,499	126,414
June	46,150	77,739	3,600	127,710
July	42,674	75,197	3,497	121,590
August	42,328	72,179	3,423	118,144
Sept	41,001	72,171	3,246	116,635
October	43,240	74,979	3,183	121,621
November	47,009	80,638	3,391	131,266
December	44,522	83,240	3,437	131,426
<b>Year 2024, End of Month Stocks</b>				
January	40,861	77,407	3,218	121,722
February	42,660	81,091	3,122	127,107
March	45,406	84,734	3,230	133,607
April	46,718	86,603	3,385	136,940
May	47,228	86,984	3,309	137,759
June	45,077	84,783	3,372	133,475
July	42,192	80,232	3,249	125,917

Notes: See Glossary for definitions.

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

Sources: U.S. Energy Information Administration, Form EIA-906, Power Plant Report; U.S. Energy Information Administration, Form EIA-920 Combined Heat and Power Plant Report, and predecessor forms. Beginning with 2008 data, the Form EIA-923, Power Plant Operations Report, replaced the following:

Form EIA-906, Power Plant Report; Form EIA-920, Combined Heat and Power Plant Report; Form EIA-423, Monthly Cost and Quality of Fuels for Electric Plants Report; and Federal Energy Regulatory Commission, FERC Form 423, Monthly Report of Cost and Quality of Fuels for Electric Plants.



## Chapter 4

# Receipts and Cost of Fossil Fuels

Table 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 2014 - July 2024

Period	Coal						Petroleum Liquids					
	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption
	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)			(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)		
Annual Totals												
2014	16,594,722	854,560	2.37	45.96	1.32	98.0	172,421	28,514	19.87	120.26	0.46	82.3
2015	15,086,208	782,929	2.22	42.86	1.29	103.5	147,647	24,320	11.49	69.79	0.48	75.8
2016	12,516,272	650,770	2.11	40.64	1.34	93.8	101,810	16,807	9.39	56.89	0.49	68.1
2017	12,261,029	642,364	2.06	39.27	1.28	94.7	96,977	16,127	11.86	71.35	0.49	68.0
2018	11,371,117	596,215	2.06	39.25	1.31	91.7	134,069	22,290	14.42	86.80	0.42	71.4
2019	10,745,991	560,153	2.02	38.70	1.31	101.8	88,662	14,711	13.62	82.12	0.49	64.0
2020	8,329,180	439,636	1.92	36.36	1.28	98.6	77,184	12,864	9.76	58.55	0.49	65.2
2021	8,753,931	461,477	1.98	37.48	1.30	90.2	97,464	16,302	14.71	87.98	0.50	68.8
2022	8,876,242	469,718	2.36	44.69	1.28	97.3	116,941	19,362	23.81	143.90	0.46	58.8
2023	8,041,287	426,470	2.52	47.52	1.23	107.6	101,803	16,746	20.12	122.43	0.46	69.7
Year 2022												
January	748,490	40,043	2.20	41.14	1.21	80.5	15,788	2,634	17.75	106.45	0.44	46.7
February	681,147	36,139	2.17	40.91	1.18	88.4	11,156	1,843	18.43	111.66	0.45	80.0
March	742,161	38,990	2.15	40.98	1.29	110.2	7,340	1,213	22.37	135.30	0.50	58.7
April	672,360	35,230	2.18	41.64	1.35	110.8	7,294	1,200	26.32	160.05	0.50	68.9
May	735,568	38,856	2.23	42.27	1.33	107.6	5,935	981	27.93	168.98	0.49	51.7
June	719,549	38,159	2.32	43.68	1.31	89.5	8,884	1,465	28.80	174.88	0.48	71.5
July	758,950	40,292	2.47	46.53	1.32	80.0	8,652	1,433	29.11	175.78	0.50	60.2
August	827,629	43,801	2.51	47.38	1.29	88.8	8,178	1,354	26.26	158.61	0.50	63.3
Sept	786,290	41,593	2.51	47.42	1.29	108.9	8,245	1,356	24.33	147.96	0.47	66.5
October	776,764	41,185	2.46	46.42	1.28	127.2	9,342	1,536	23.53	143.20	0.45	72.1
November	717,670	38,063	2.48	46.73	1.22	114.3	9,890	1,643	26.21	157.82	0.44	81.7
December	709,662	37,366	2.65	50.25	1.32	87.4	16,237	2,704	21.53	129.24	0.41	41.4
Year 2023												
January	723,669	38,041	2.60	49.40	1.26	104.5	13,452	2,237	21.84	131.41	0.48	102.8
February	637,812	33,783	2.60	49.04	1.27	122.0	9,911	1,631	20.13	122.48	0.46	71.2
March	710,779	37,677	2.51	47.30	1.26	127.9	7,305	1,200	20.48	124.66	0.52	58.2
April	631,282	33,546	2.48	46.67	1.24	142.1	6,987	1,142	19.36	118.44	0.48	61.6
May	636,634	33,557	2.52	47.77	1.24	127.3	7,463	1,228	18.78	114.11	0.49	63.9
June	645,337	34,165	2.47	46.71	1.23	99.8	7,391	1,214	17.66	107.49	0.48	66.4
July	697,637	37,298	2.49	46.50	1.19	82.4	8,601	1,397	17.39	107.07	0.43	73.7
August	734,722	38,969	2.50	47.17	1.21	87.3	7,104	1,167	19.95	121.91	0.43	59.1
Sept	656,950	34,791	2.54	47.93	1.18	99.5	7,606	1,241	22.58	138.51	0.42	66.5
October	647,912	34,359	2.54	47.88	1.22	113.1	7,130	1,166	22.12	135.32	0.41	59.1
November	663,778	35,400	2.52	47.23	1.22	116.5	8,048	1,329	21.06	127.59	0.44	66.8
December	654,774	34,884	2.49	46.67	1.25	106.4	10,804	1,794	19.42	117.14	0.44	82.4
Year 2024												
January	600,991	32,169	2.49	46.48	1.22	74.2	10,076	1,669	18.91	114.13	0.46	50.7
February	566,897	30,314	2.49	46.63	1.20	113.6	6,341	1,042	19.55	118.95	0.47	61.4
March	535,574	28,041	2.51	47.91	1.32	121.2	6,020	982	19.92	122.15	0.47	55.7
April	469,122	24,509	2.54	48.70	1.35	111.7	6,239	1,020	19.63	120.08	0.46	55.0
May	515,851	26,820	2.57	49.47	1.37	98.8	6,495	1,070	19.01	115.39	0.41	54.4
June	556,372	29,146	2.52	48.11	1.36	82.8	6,530	1,071	17.95	109.45	0.44	54.8
July	620,939	32,863	2.48	46.91	1.30	79.6	5,760	944	18.54	113.20	0.38	47.4
Year to Date												
2022	5,058,226	267,709	2.25	42.49	1.28	93.3	65,049	10,769	23.62	142.81	0.47	59.5
2023	4,683,151	248,067	2.52	47.64	1.24	111.2	61,111	10,049	19.60	119.23	0.48	71.6
2024	3,865,747	203,862	2.51	47.66	1.30	93.2	47,460	7,797	19.05	115.98	0.44	53.7
Rolling 12 Months Ending in July												
2023	8,501,167	450,076	2.52	47.62	1.26	107.4	113,003	18,643	21.61	131.04	0.46	64.5
2024	7,223,883	382,265	2.51	47.53	1.26	97.6	88,152	14,494	19.91	121.15	0.44	59.2

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

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

W = Withheld to avoid disclosure of individual company data.

#### Notes:

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

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

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

- Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary.

- See Glossary for definitions.

- Starting in January 2013, there may have been a shift in the continuity of Chapter 4 tables due to changes in the sample design of Form EIA-923 and the imputation process.

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- See the Technical Notes for fuel conversion factors.

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

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

Table 4.1. Receipts, Average Cost, and Quality of Fossil Fuels: Total (All Sectors), 2014 - July 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	147,310	5,195	1.98	56.23	5.56	91.2	8,679,286	8,431,423	5.00	5.14	89.6	3.31
2015	138,668	4,897	1.84	52.11	5.25	94.4	10,173,502	9,842,581	3.23	3.34	89.9	2.65
2016	116,942	4,166	1.65	46.30	5.40	77.9	10,619,105	10,271,180	2.87	2.97	90.7	2.47
2017	92,837	3,309	2.13	59.90	5.56	74.1	9,951,815	9,628,733	3.37	3.49	90.2	2.65
2018	85,122	3,010	2.54	71.76	5.74	66.1	11,253,502	10,894,849	3.55	3.67	90.4	2.83
2019	56,294	1,969	1.91	54.59	5.51	55.3	12,104,890	11,704,743	2.88	2.98	91.4	2.50
2020	67,842	2,396	1.70	48.03	5.41	62.1	12,380,902	11,981,552	2.40	2.48	90.6	2.22
2021	64,891	2,296	3.16	89.27	5.24	60.0	11,966,785	11,578,254	5.20	5.38	91.0	3.82
2022	64,689	2,286	4.35	122.99	5.52	61.8	12,840,250	12,436,074	7.21	7.45	91.5	5.22
2023	40,716	1,450	4.05	113.73	5.61	58.5	12,532,201	12,143,774	3.36	3.47	84.1	3.11
Year 2022												
January	5,343	189	4.32	122.16	5.11	64.0	1,021,396	988,075	6.56	6.78	91.1	4.74
February	4,050	141	4.24	121.53	5.80	44.9	857,192	829,722	6.00	6.20	90.0	4.32
March	5,791	205	4.84	136.40	5.31	74.6	839,836	814,025	5.10	5.26	90.2	3.75
April	6,637	235	4.80	135.31	5.57	83.6	807,698	783,189	6.21	6.41	91.0	4.40
May	5,992	212	4.97	140.62	5.48	67.1	990,628	960,839	7.57	7.80	92.1	5.25
June	4,887	173	4.50	126.93	5.51	52.0	1,204,672	1,168,959	8.01	8.26	92.3	5.86
July	5,781	205	4.65	131.34	5.54	75.9	1,466,772	1,422,545	7.53	7.76	92.5	5.78
August	6,465	228	5.02	142.06	5.62	73.6	1,443,158	1,397,570	9.00	9.30	92.3	6.54
Sept	3,818	134	2.32	66.08	5.74	40.7	1,184,368	1,145,493	8.15	8.42	91.9	5.81
October	4,142	147	3.37	94.92	5.75	45.3	1,005,835	973,705	5.80	5.99	91.3	4.37
November	6,485	229	3.84	108.96	5.53	76.8	959,373	929,074	5.71	5.89	90.5	4.38
December	5,298	187	4.19	118.73	5.50	52.7	1,059,322	1,022,878	8.92	9.24	91.3	6.38
Year 2023												
January	4,871	176	4.54	126.02	5.67	85.4	971,828	939,064	7.07	7.32	85.3	5.19
February	3,886	136	4.80	136.95	5.62	74.2	866,448	839,005	4.39	4.53	84.7	3.71
March	4,905	172	4.66	132.76	5.71	99.5	918,899	890,394	3.35	3.46	83.8	3.05
April	4,768	168	4.70	133.61	5.72	106.9	848,578	822,855	2.69	2.78	83.8	2.69
May	1,985	72	3.14	86.86	5.76	41.4	969,622	940,736	2.54	2.62	84.4	2.61
June	1,853	66	3.48	98.25	5.77	33.2	1,118,676	1,084,790	2.58	2.66	83.4	2.60
July	2,787	100	3.62	101.16	5.45	32.6	1,365,367	1,322,828	2.97	3.06	82.7	2.86
August	2,311	84	3.39	93.79	5.73	26.6	1,367,426	1,325,123	2.92	3.01	83.3	2.82
Sept	3,289	118	3.76	104.81	5.48	42.4	1,142,616	1,109,256	2.86	2.94	84.2	2.82
October	2,404	86	3.84	107.56	5.50	48.4	988,151	958,808	2.93	3.02	84.1	2.86
November	3,097	111	3.60	100.64	5.35	81.6	951,139	921,492	3.38	3.49	84.3	3.11
December	4,559	163	3.39	94.99	5.53	92.3	1,023,452	989,423	3.27	3.39	85.8	3.06
Year 2024												
January	909	33	2.65	73.16	5.53	17.5	1,108,447	1,070,960	4.80	4.97	84.0	4.02
February	1,385	50	2.63	73.05	5.56	34.8	910,552	879,903	2.88	2.98	84.7	2.80
March	1,054	38	2.63	73.51	5.49	38.2	906,805	877,652	2.18	2.26	84.3	2.38
April	1,078	38	2.62	73.50	5.51	27.1	850,135	824,464	2.05	2.11	82.2	2.32
May	2,177	78	2.86	80.18	5.46	47.7	1,002,104	972,787	2.26	2.33	83.7	2.45
June	3,620	127	3.11	88.55	5.54	61.8	1,177,548	1,141,136	2.69	2.77	84.0	2.69
July	5,356	189	3.23	91.69	5.52	84.6	1,419,716	1,373,106	2.51	2.59	82.7	2.55
Year to Date												
2022	38,480	1,361	4.65	131.38	5.46	65.3	7,188,194	6,967,353	6.86	7.07	91.5	4.95
2023	25,056	889	4.34	122.44	5.67	63.7	7,059,417	6,839,672	3.60	3.72	83.9	3.24
2024	15,579	553	2.98	84.05	5.52	47.5	7,375,306	7,140,008	2.79	2.88	83.6	2.76
Rolling 12 Months Ending in July												
2023	51,264	1,814	4.12	116.43	5.64	60.2	12,711,474	12,308,393	5.42	5.59	87.1	4.28
2024	31,239	1,113	3.28	92.05	5.51	49.6	12,848,090	12,444,110	2.91	3.00	83.9	2.84

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#### Notes:

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

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

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

- Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary.

- See Glossary for definitions.

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

Period	Coal						Petroleum Liquids					
	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption
	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)			(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)		
Annual Totals												
2014	12,064,810	614,728	2.39	46.95	1.21	98.3	98,357	16,161	19.90	121.14	0.44	82.0
2015	11,088,631	571,707	2.25	43.71	1.17	105.8	90,041	14,747	11.32	69.13	0.46	79.2
2016	9,256,878	476,207	2.16	42.01	1.21	95.4	73,294	11,985	9.16	56.02	0.45	74.0
2017	9,011,629	467,595	2.12	40.81	1.16	96.0	70,422	11,640	11.60	70.19	0.47	74.4
2018	8,351,036	435,964	2.11	40.35	1.18	91.6	84,050	13,896	14.39	87.09	0.37	75.3
2019	7,970,069	413,915	2.08	39.99	1.18	103.1	66,789	11,010	13.40	81.29	0.46	69.9
2020	6,256,811	327,488	1.96	37.49	1.15	100.2	56,530	9,371	9.84	59.37	0.47	67.1
2021	6,448,846	338,205	2.03	38.68	1.14	90.2	69,111	11,468	14.53	87.56	0.47	67.7
2022	6,594,794	346,120	2.41	45.96	1.15	98.4	73,400	12,131	24.43	147.80	0.48	65.6
2023	6,190,928	324,205	2.57	49.06	1.15	110.9	73,960	12,172	20.24	122.97	0.46	77.3
Year 2022												
January	546,113	29,056	2.24	42.12	1.06	81.3	6,596	1,103	17.23	103.03	0.46	46.9
February	500,644	26,344	2.19	41.69	1.05	91.5	6,361	1,045	18.65	113.52	0.48	83.4
March	537,576	28,123	2.18	41.71	1.14	115.4	5,580	926	22.53	135.80	0.49	70.7
April	486,354	25,278	2.24	43.02	1.17	113.7	5,684	934	26.28	159.85	0.48	84.8
May	552,474	28,904	2.29	43.87	1.16	108.7	4,509	747	28.14	169.81	0.48	58.4
June	537,295	28,300	2.35	44.64	1.14	88.2	7,089	1,166	28.58	173.77	0.48	90.3
July	557,748	29,313	2.47	47.07	1.18	76.9	6,739	1,115	28.96	175.11	0.48	80.8
August	627,619	32,918	2.53	48.27	1.19	90.2	5,736	947	26.06	157.81	0.47	72.6
Sept	599,306	31,443	2.60	49.50	1.17	110.8	5,857	966	24.83	150.60	0.48	71.8
October	579,715	30,502	2.53	48.08	1.16	129.7	6,272	1,028	23.81	145.25	0.48	74.8
November	542,727	28,448	2.55	48.63	1.14	121.1	5,760	953	26.15	158.05	0.46	70.9
December	527,223	27,491	2.69	51.67	1.22	86.5	7,217	1,202	23.01	138.22	0.48	38.2
Year 2023												
January	556,371	29,179	2.65	50.60	1.13	106.2	9,853	1,639	21.92	131.75	0.47	116.2
February	479,262	25,198	2.67	50.86	1.16	125.0	6,212	1,031	22.06	132.90	0.48	79.3
March	546,979	28,703	2.54	48.35	1.19	134.6	5,500	907	20.63	125.12	0.48	70.5
April	478,808	25,008	2.51	48.15	1.16	154.3	5,221	853	19.27	117.91	0.47	70.0
May	483,321	25,161	2.55	49.03	1.14	135.1	5,724	945	18.82	113.95	0.48	73.2
June	501,196	26,136	2.51	48.18	1.16	99.8	5,927	974	17.45	106.17	0.47	75.1
July	548,801	28,883	2.54	48.20	1.13	83.1	6,695	1,085	17.07	105.34	0.44	87.6
August	579,776	30,274	2.55	48.89	1.15	88.7	4,579	748	19.78	121.06	0.47	53.8
Sept	514,726	26,869	2.59	49.69	1.12	102.1	5,788	943	22.68	139.26	0.43	76.4
October	501,460	26,157	2.59	49.68	1.15	118.4	4,966	814	22.22	135.62	0.40	60.9
November	504,315	26,520	2.58	48.98	1.15	124.9	5,312	878	21.69	131.32	0.43	65.5
December	495,913	26,116	2.53	48.07	1.17	109.3	8,183	1,355	19.16	115.72	0.45	96.7
Year 2024												
January	467,676	24,626	2.54	48.33	1.17	75.6	7,439	1,231	18.89	114.21	0.45	61.2
February	442,174	23,172	2.58	49.19	1.14	114.3	5,117	840	19.49	118.71	0.46	73.2
March	425,036	21,785	2.59	50.56	1.30	123.8	4,667	761	19.75	121.19	0.46	66.4
April	365,920	18,576	2.67	52.56	1.33	117.2	4,582	748	19.42	118.96	0.43	63.8
May	404,600	20,633	2.65	52.05	1.33	101.5	4,502	744	18.92	114.47	0.38	58.3
June	429,392	22,156	2.59	50.20	1.28	82.3	4,494	739	17.94	109.20	0.41	61.2
July	476,509	24,822	2.56	49.18	1.21	79.2	3,803	623	18.41	112.37	0.36	48.6
Year to Date												
2022	3,718,204	195,318	2.28	43.48	1.13	93.9	42,558	7,035	24.25	146.68	0.48	70.6
2023	3,594,737	188,268	2.57	49.05	1.16	114.3	45,132	7,434	19.77	120.04	0.47	82.2
2024	3,011,306	155,769	2.60	50.17	1.25	94.5	34,604	5,685	18.99	115.61	0.43	61.5
Rolling 12 Months Ending in July												
2023	6,471,328	339,070	2.57	49.11	1.16	109.9	75,974	12,530	21.76	131.96	0.47	71.4
2024	5,607,496	291,706	2.58	49.65	1.20	99.7	63,433	10,423	19.89	121.04	0.43	65.4

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#### Notes:

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

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

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

- Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary.

- See Glossary for definitions.

- Starting in January 2013, there may have been a shift in the continuity of Chapter 4 tables due to changes in the sample design of Form EIA-923 and the imputation process.

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Table 4.2. Receipts, Average Cost, and Quality of Fossil Fuels: Electric Utilities, 2014 - July 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	123,793	4,349	1.89	53.77	5.56	126.3	3,876,549	3,772,596	5.17	5.31	96.7	3.16
2015	115,929	4,069	1.77	50.44	5.23	130.1	4,717,748	4,565,040	3.52	3.64	96.0	2.67
2016	99,706	3,538	1.52	42.85	5.38	103.1	5,075,337	4,907,538	3.15	3.26	97.0	2.54
2017	90,481	3,224	2.15	60.31	5.55	117.6	4,794,383	4,640,827	3.62	3.74	96.8	2.68
2018	83,211	2,940	2.56	72.34	5.74	106.8	5,562,903	5,388,544	3.68	3.80	96.2	2.80
2019	54,266	1,896	1.92	54.88	5.50	91.0	6,038,432	5,842,392	3.03	3.13	97.0	2.53
2020	65,684	2,317	1.70	48.07	5.39	101.8	6,207,039	6,011,244	2.63	2.72	96.3	2.32
2021	64,891	2,296	3.16	89.27	5.24	98.0	5,901,472	5,713,855	5.21	5.39	96.4	3.60
2022	64,607	2,283	4.35	122.99	5.52	99.5	6,393,812	6,200,191	7.49	7.73	96.5	5.01
2023	40,716	1,450	4.05	113.73	5.61	108.5	6,086,739	5,907,853	3.85	3.96	86.4	3.31
Year 2022												
January	5,343	189	4.32	122.16	5.11	112.6	503,615	487,628	7.15	7.39	96.7	4.67
February	4,050	141	4.24	121.53	5.80	75.1	414,806	402,121	6.13	6.32	96.1	4.08
March	5,791	205	4.84	136.40	5.31	142.5	408,255	396,288	5.28	5.43	96.4	3.63
April	6,637	235	4.80	135.31	5.57	150.6	395,234	383,835	6.25	6.44	97.3	4.17
May	5,992	212	4.97	140.62	5.48	99.1	494,026	479,966	7.53	7.75	97.5	4.86
June	4,887	173	4.50	126.93	5.51	76.9	621,160	603,483	8.29	8.53	96.3	5.66
July	5,781	205	4.65	131.34	5.54	115.1	749,263	727,668	7.75	7.98	96.1	5.61
August	6,465	228	5.02	142.06	5.62	127.5	723,303	700,993	9.35	9.65	96.4	6.25
Sept	3,818	134	2.32	66.08	5.74	63.7	579,405	560,966	8.53	8.81	96.2	5.58
October	4,060	144	3.35	94.31	5.74	74.8	493,094	478,019	6.19	6.38	96.6	4.31
November	6,485	229	3.84	108.96	5.53	124.4	482,176	467,566	6.05	6.24	96.6	4.31
December	5,298	187	4.19	118.73	5.50	73.4	529,475	511,657	9.05	9.36	96.7	5.97
Year 2023												
January	4,871	176	4.54	126.02	5.67	151.3	469,418	453,837	8.69	8.98	88.9	5.55
February	3,886	136	4.80	136.95	5.62	125.8	410,830	398,400	4.95	5.10	87.5	3.85
March	4,905	172	4.66	132.76	5.71	228.6	442,406	429,205	3.76	3.88	87.0	3.19
April	4,768	168	4.70	133.61	5.72	218.3	415,834	404,210	3.05	3.13	86.8	2.87
May	1,985	72	3.14	86.86	5.76	94.2	487,945	474,217	2.87	2.95	86.6	2.80
June	1,853	66	3.48	98.25	5.77	61.3	551,525	535,472	2.93	3.01	85.0	2.81
July	2,787	100	3.62	101.16	5.45	50.5	672,471	652,468	3.27	3.37	83.9	3.02
August	2,311	84	3.39	93.79	5.73	42.4	683,450	663,413	3.30	3.40	84.3	3.02
Sept	3,289	118	3.76	104.81	5.48	67.3	550,651	535,792	3.30	3.39	86.0	3.07
October	2,404	86	3.84	107.56	5.50	112.5	473,957	460,990	3.34	3.43	86.4	3.05
November	3,097	111	3.60	100.64	5.35	228.6	440,879	428,220	3.82	3.93	87.4	3.26
December	4,559	163	3.39	94.99	5.53	199.5	487,373	471,630	3.76	3.89	89.5	3.27
Year 2024												
January	909	33	2.65	73.16	5.53	34.6	525,707	508,301	4.92	5.09	86.3	3.91
February	1,385	50	2.63	73.05	5.56	72.1	440,056	425,831	3.35	3.47	87.9	3.06
March	1,054	38	2.63	73.51	5.49	173.2	446,527	432,933	2.49	2.57	87.8	2.63
April	1,078	38	2.62	73.50	5.51	57.9	412,315	400,958	2.34	2.40	83.6	2.59
May	2,177	78	2.86	80.18	5.46	92.3	509,892	496,222	2.54	2.61	85.7	2.67
June	3,620	127	3.11	88.55	5.54	110.7	606,438	588,505	3.02	3.11	86.3	2.91
July	5,356	189	3.23	91.69	5.52	144.2	730,283	706,516	2.81	2.90	83.6	2.76
Year to Date												
2022	38,480	1,361	4.65	131.38	5.46	106.9	3,586,359	3,480,989	7.09	7.31	96.6	4.75
2023	25,056	889	4.34	122.44	5.67	117.4	3,450,428	3,347,808	4.13	4.25	86.3	3.44
2024	15,579	553	2.98	84.05	5.52	94.9	3,671,217	3,559,266	3.08	3.18	85.7	2.94
Rolling 12 Months Ending in July												
2023	51,182	1,811	4.12	116.42	5.64	101.9	6,257,880	6,067,011	5.87	6.05	90.6	4.29
2024	31,239	1,113	3.28	92.05	5.51	95.9	6,307,528	6,119,311	3.25	3.35	86.0	3.02

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

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

W = Withheld to avoid disclosure of individual company data.

#### Notes:

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

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

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

- Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary.

- See Glossary for definitions.

- Starting in January 2013, there may have been a shift in the continuity of Chapter 4 tables due to changes in the sample design of Form EIA-923 and the imputation process.

- See the EIA-923 section of the Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

- See the Technical Notes for fuel conversion factors.

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

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

Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2014 - July 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	4,243,949	226,600	2.25	42.20	1.61	100.1	71,774	11,980	19.90	119.36	0.45	101.0
2015	3,731,508	198,982	2.10	39.39	1.66	100.5	55,248	9,189	11.69	70.36	0.46	86.5
2016	3,047,358	164,648	1.93	35.69	1.73	91.8	25,975	4,410	9.93	58.56	0.48	75.1
2017	3,056,215	165,567	1.85	34.19	1.64	93.1	24,704	4,190	12.67	74.73	0.46	73.8
2018	2,849,062	152,015	1.89	35.41	1.70	94.2	47,699	8,022	14.52	86.39	0.44	81.7
2019	2,629,405	139,141	1.81	34.16	1.74	101.6	20,188	3,425	14.40	84.89	0.50	73.0
2020	1,937,714	105,627	1.74	31.92	1.72	97.1	18,954	3,216	9.44	55.61	0.49	88.7
2021	2,163,331	116,480	1.79	33.35	1.79	92.0	25,972	4,447	15.38	89.84	0.47	101.6
2022	2,142,472	116,864	2.19	40.16	1.69	96.4	41,066	6,827	22.83	137.45	0.39	69.1
2023	1,726,352	96,088	2.29	41.19	1.53	101.4	24,980	4,106	20.11	122.75	0.38	88.6
Year 2022												
January	190,059	10,391	2.06	37.66	1.62	79.5	8,892	1,482	18.48	111.05	0.39	51.8
February	169,787	9,274	2.07	37.95	1.56	82.2	4,566	762	18.20	109.02	0.36	96.9
March	191,644	10,240	2.04	38.27	1.72	101.2	1,540	252	22.72	138.89	0.45	63.0
April	175,332	9,448	1.99	37.03	1.86	107.7	1,498	247	27.01	163.98	0.48	89.1
May	170,813	9,355	2.01	36.76	1.87	107.8	1,250	205	28.43	173.23	0.48	73.6
June	170,764	9,296	2.20	40.47	1.83	95.7	1,651	275	30.73	185.03	0.41	72.6
July	188,956	10,384	2.45	44.55	1.71	90.8	1,756	293	30.58	183.42	0.47	48.7
August	189,136	10,350	2.41	44.15	1.63	86.5	2,286	381	27.18	162.89	0.47	67.6
Sept	175,484	9,589	2.16	39.62	1.72	106.1	2,185	358	23.44	143.49	0.41	98.3
October	185,852	10,141	2.18	40.02	1.67	126.2	2,848	471	23.30	140.86	0.35	112.5
November	164,764	9,127	2.20	39.71	1.49	101.3	3,910	654	26.55	158.67	0.37	194.2
December	169,882	9,269	2.47	45.38	1.65	91.6	8,682	1,447	19.92	119.50	0.33	55.5
Year 2023												
January	156,195	8,313	2.36	44.43	1.71	103.2	3,264	542	22.01	132.88	0.42	160.8
February	147,634	8,061	2.25	41.37	1.64	119.0	3,366	545	16.69	103.54	0.39	80.1
March	153,230	8,449	2.32	42.11	1.54	114.7	1,365	220	21.17	131.15	0.47	56.5
April	141,123	7,974	2.28	40.36	1.50	119.7	1,466	240	20.18	123.46	0.37	71.4
May	142,737	7,876	2.33	42.29	1.60	112.8	1,430	232	19.31	118.84	0.43	60.5
June	133,987	7,498	2.29	41.04	1.52	102.6	1,371	225	18.64	113.46	0.47	79.5
July	139,185	7,916	2.26	39.73	1.45	80.9	1,765	290	18.69	113.88	0.38	69.3
August	144,837	8,180	2.25	39.94	1.46	83.6	2,388	397	20.47	124.57	0.28	120.2
Sept	133,508	7,491	2.25	40.04	1.41	94.2	1,664	274	22.77	139.09	0.31	70.8
October	135,988	7,681	2.29	40.62	1.50	101.8	1,933	314	22.12	136.06	0.33	82.1
November	149,493	8,391	2.29	40.80	1.46	99.9	2,537	419	19.88	120.50	0.39	118.0
December	148,435	8,259	2.29	41.25	1.53	101.8	2,430	408	20.65	123.78	0.30	116.8
Year 2024												
January	123,675	7,060	2.24	39.33	1.43	71.3	2,324	388	19.22	115.15	0.36	52.7
February	113,481	6,587	2.10	36.22	1.44	116.4	1,029	170	20.12	122.20	0.42	73.8
March	99,577	5,729	2.07	36.10	1.49	122.2	1,205	197	21.08	129.23	0.45	70.0
April	94,449	5,497	2.03	34.96	1.45	102.0	1,526	251	20.41	124.28	0.44	67.8
May	101,597	5,706	2.21	39.38	1.59	93.1	1,866	305	19.38	118.39	0.38	86.2
June	117,305	6,508	2.22	40.04	1.65	86.1	1,894	309	18.04	110.44	0.46	77.0
July	134,207	7,538	2.16	38.57	1.61	82.1	1,774	291	19.04	116.15	0.29	58.8
Year to Date												
2022	1,257,354	68,388	2.12	39.01	1.74	93.6	21,154	3,516	22.56	135.95	0.41	63.0
2023	1,014,092	56,087	2.30	41.64	1.57	106.0	14,028	2,294	19.42	118.97	0.41	81.1
2024	784,292	44,624	2.15	37.90	1.53	92.0	11,616	1,910	19.45	118.33	0.40	66.6
Rolling 12 Months Ending in July												
2023	1,899,210	104,563	2.29	41.71	1.60	103.4	33,940	5,606	21.48	130.16	0.39	78.7
2024	1,496,553	84,625	2.21	39.15	1.50	93.7	22,568	3,722	20.21	122.86	0.36	79.7

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

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

W = Withheld to avoid disclosure of individual company data.

#### Notes:

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

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

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

- Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary.

- See Glossary for definitions.

- Starting in January 2013, there may have been a shift in the continuity of Chapter 4 tables due to changes in the sample design of Form EIA-923 and the imputation process.

- See the EIA-923 section of the Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

- See the Technical Notes for fuel conversion factors.

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

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

Table 4.3. Receipts, Average Cost, and Quality of Fossil Fuels: Independent Power Producers, 2014 - July 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	--	--	--	0.0	5,602,375	5,414,698	6.95	7.20	95.5	5.50
2023	0	0	--	--	--	--	5,649,898	5,462,253	2.80	2.90	89.7	2.72
Year 2022												
January	0	0	--	--	--	0.0	440,567	425,442	6.15	6.38	95.6	4.92
February	0	0	--	--	--	0.0	375,891	363,057	5.88	6.09	94.2	4.62
March	0	0	--	--	--	0.0	359,407	347,490	4.96	5.14	95.0	3.87
April	0	0	--	--	--	0.0	344,208	332,882	6.22	6.44	95.5	4.66
May	0	0	--	--	--	0.0	428,890	414,929	7.60	7.86	96.4	5.80
June	0	0	--	--	--	0.0	513,920	497,609	7.55	7.81	96.1	6.03
July	0	0	--	--	--	0.0	644,066	623,293	7.29	7.54	96.2	6.04
August	0	0	--	--	--	0.0	645,276	623,863	8.56	8.86	95.5	6.95
Sept	0	0	--	--	--	0.0	538,145	519,483	7.58	7.86	95.8	6.04
October	0	0	--	--	--	0.0	446,464	431,379	5.29	5.48	95.5	4.32
November	0	0	--	--	--	0.0	407,043	393,319	5.35	5.54	94.1	4.44
December	0	0	--	--	--	0.0	458,497	441,951	9.26	9.61	95.4	7.27
Year 2023												
January	0	0	--	--	--	--	432,340	417,130	5.34	5.54	91.4	4.53
February	0	0	--	--	--	--	392,667	379,376	3.91	4.05	91.4	3.48
March	0	0	--	--	--	--	408,837	395,267	2.94	3.04	90.1	2.80
April	0	0	--	--	--	--	371,695	359,263	2.28	2.36	89.1	2.34
May	0	0	--	--	--	--	417,032	403,626	2.11	2.18	90.1	2.22
June	0	0	--	--	--	--	502,016	485,754	2.13	2.20	88.9	2.21
July	0	0	--	--	--	--	627,873	607,202	2.59	2.68	87.5	2.56
August	0	0	--	--	--	--	617,659	597,279	2.41	2.49	88.5	2.43
Sept	0	0	--	--	--	--	526,671	510,024	2.29	2.37	89.7	2.34
October	0	0	--	--	--	--	449,085	434,540	2.42	2.51	90.0	2.46
November	0	0	--	--	--	--	441,816	426,779	2.92	3.03	89.9	2.82
December	0	0	--	--	--	--	462,206	446,013	2.73	2.83	91.6	2.67
Year 2024												
January	0	0	--	--	--	--	509,048	491,149	4.85	5.03	90.7	4.31
February	0	0	--	--	--	--	406,630	392,048	2.31	2.40	91.1	2.30
March	0	0	--	--	--	--	394,896	381,126	1.84	1.91	90.2	1.95
April	0	0	--	--	--	--	372,154	359,568	1.69	1.75	89.2	1.84
May	0	0	--	--	--	--	427,485	413,626	1.92	1.98	89.7	2.05
June	0	0	--	--	--	--	508,357	491,655	2.23	2.31	88.3	2.28
July	0	0	--	--	--	--	623,312	602,321	2.07	2.15	87.7	2.14
Year to Date												
2022	0	0	--	--	--	0.0	3,106,950	3,004,703	6.64	6.87	95.7	5.21
2023	0	0	--	--	--	--	3,152,460	3,047,617	3.00	3.11	89.6	2.87
2024	0	0	--	--	--	--	3,241,882	3,131,492	2.46	2.54	89.4	2.44
Rolling 12 Months Ending in July												
2023	0	0	--	--	--	0.0	5,647,885	5,457,613	4.93	5.11	92.0	4.23
2024	0	0	--	--	--	--	5,739,320	5,546,128	2.50	2.59	89.6	2.49

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Notes:

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

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

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

- Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary.

- See Glossary for definitions.

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- See the 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 - July 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	--	--	--	0.0
2023	66	3	4.28	96.92	3.22	0.7	0	0	--	--	--	--
Year 2022												
January	74	3	3.95	90.18	3.03	5.8	0	0	--	--	--	0.0
February	19	1	3.95	90.65	3.00	1.5	0	0	--	--	--	0.0
March	0	0	--	--	--	0.0	0	0	--	--	--	0.0
April	0	0	--	--	--	0.0	0	0	--	--	--	0.0
May	0	0	--	--	--	0.0	0	0	--	--	--	0.0
June	0	0	--	--	--	0.0	0	0	--	--	--	0.0
July	0	0	--	--	--	0.0	0	0	--	--	--	0.0
August	0	0	--	--	--	0.0	0	0	--	--	--	0.0
Sept	106	5	4.28	97.46	3.05	10.0	0	0	--	--	--	0.0
October	54	2	4.28	97.11	3.24	5.2	0	0	--	--	--	0.0
November	0	0	--	--	--	0.0	0	0	--	--	--	0.0
December	15	1	4.28	96.94	3.02	1.1	0	0	--	--	--	0.0
Year 2023												
January	21	1	4.28	96.60	3.06	2.0	0	0	--	--	--	--
February	22	1	4.28	97.20	3.12	2.4	0	0	--	--	--	--
March	0	0	--	--	--	--	0	0	--	--	--	--
April	0	0	--	--	--	--	0	0	--	--	--	--
May	0	0	--	--	--	--	0	0	--	--	--	--
June	0	0	--	--	--	--	0	0	--	--	--	--
July	0	0	--	--	--	--	0	0	--	--	--	--
August	0	0	--	--	--	--	0	0	--	--	--	--
Sept	0	0	--	--	--	--	0	0	--	--	--	--
October	0	0	--	--	--	--	0	0	--	--	--	--
November	0	0	--	--	--	--	0	0	--	--	--	--
December	24	1	4.28	96.94	3.46	2.6	0	0	--	--	--	--
Year 2024												
January	85	4	4.28	96.86	3.06	6.7	0	0	--	--	--	--
February	43	2	4.28	96.51	3.06	4.8	0	0	--	--	--	--
March	0	0	--	--	--	0.0	0	0	--	--	--	--
April	0	0	--	--	--	--	0	0	--	--	--	--
May	0	0	--	--	--	--	0	0	--	--	--	--
June	0	0	--	--	--	--	0	0	--	--	--	--
July	0	0	--	--	--	--	0	0	--	--	--	--
Year to Date												
2022	93	4	3.95	90.28	3.02	1.4	0	0	--	--	--	0.0
2023	43	2	4.28	96.90	3.09	0.8	0	0	--	--	--	--
2024	128	6	4.28	96.74	3.06	2.3	0	0	--	--	--	--
Rolling 12 Months Ending in July												
2023	217	10	4.28	97.23	3.10	2.0	0	0	--	--	--	0.0
2024	151	7	4.28	96.77	3.12	1.6	0	0	--	--	--	--

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W = Withheld to avoid disclosure of individual company data.

Notes:

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

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

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

- Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary.

- See Glossary for definitions.

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- See the Technical Notes for fuel conversion factors.

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

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



Table 4.4. Receipts, Average Cost, and Quality of Fossil Fuels: Commercial Sector, 2014 - July 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	3.20	6.3	3.07
2021	0	0	--	--	--	0.0	8,869	8,528	3.42	3.56	7.3	3.41
2022	0	0	--	--	--	0.0	8,636	8,322	3.88	4.02	6.8	3.89
2023	0	0	--	--	--	--	8,130	7,861	3.04	3.15	6.4	3.05
Year 2022												
January	0	0	--	--	--	0.0	759	731	3.29	3.42	6.5	3.35
February	0	0	--	--	--	0.0	711	683	3.32	3.45	6.8	3.33
March	0	0	--	--	--	0.0	712	687	3.30	3.42	6.8	3.30
April	0	0	--	--	--	0.0	786	758	4.35	4.51	8.2	4.35
May	0	0	--	--	--	0.0	686	661	4.13	4.29	7.0	4.13
June	0	0	--	--	--	0.0	628	603	3.89	4.05	6.1	3.89
July	0	0	--	--	--	0.0	693	668	3.86	4.00	5.7	3.86
August	0	0	--	--	--	0.0	732	703	4.86	5.06	5.9	4.86
Sept	0	0	--	--	--	0.0	766	738	4.56	4.73	7.3	4.53
October	0	0	--	--	--	0.0	657	634	3.98	4.12	7.0	4.00
November	0	0	--	--	--	0.0	656	636	3.18	3.28	6.7	3.18
December	0	0	--	--	--	0.0	850	821	3.73	3.86	7.5	3.74
Year 2023												
January	0	0	--	--	--	--	707	682	3.11	3.22	6.3	3.14
February	0	0	--	--	--	--	707	683	3.01	3.11	6.9	3.05
March	0	0	--	--	--	--	680	655	3.05	3.17	6.2	3.05
April	0	0	--	--	--	--	720	700	2.89	2.97	7.6	2.89
May	0	0	--	--	--	--	748	726	2.84	2.92	7.9	2.84
June	0	0	--	--	--	--	617	598	2.89	2.99	5.9	2.89
July	0	0	--	--	--	--	629	607	3.07	3.18	5.6	3.07
August	0	0	--	--	--	--	670	646	3.09	3.21	5.9	3.09
Sept	0	0	--	--	--	--	619	597	3.10	3.21	5.8	3.10
October	0	0	--	--	--	--	685	664	3.03	3.13	6.7	3.03
November	0	0	--	--	--	--	687	664	3.19	3.31	6.4	3.19
December	0	0	--	--	--	--	661	638	3.27	3.38	5.8	3.30
Year 2024												
January	0	0	--	--	--	--	715	686	3.29	3.43	5.9	3.40
February	0	0	--	--	--	--	666	641	3.29	3.42	6.1	3.35
March	0	0	--	--	--	--	572	552	3.18	3.29	5.1	3.18
April	0	0	--	--	--	--	648	629	3.14	3.24	7.0	3.14
May	0	0	--	--	--	--	577	554	3.18	3.31	5.9	3.18
June	0	0	--	--	--	--	486	469	3.10	3.21	4.6	3.10
July	0	0	--	--	--	--	652	629	3.31	3.42	5.8	3.31
Year to Date												
2022	0	0	--	--	--	0.0	4,976	4,791	3.73	3.88	6.7	3.74
2023	0	0	--	--	--	--	4,807	4,651	2.98	3.08	6.6	2.99
2024	0	0	--	--	--	--	4,315	4,162	3.22	3.34	5.7	3.25
Rolling 12 Months Ending in July												
2023	0	0	--	--	--	0.0	8,468	8,182	3.45	3.57	6.7	3.47
2024	0	0	--	--	--	--	7,638	7,371	3.18	3.30	5.9	3.20

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Notes:

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

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

Period	Coal						Petroleum Liquids					
	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption	Receipts		Average Cost		Average Sulfur Percent by Weight	Percentage of Consumption
	(Billion Btu)	(Thousand Tons)	(Dollars per MMBtu)	(Dollars per Ton)			(Billion Btu)	(Thousand Barrels)	(Dollars per MMBtu)	(Dollars per Barrel)		
Annual Totals												
2014	281,867	13,050	2.97	64.15	1.33	68.4	2,290	373	17.91	109.99	1.43	15.6
2015	263,630	12,132	2.72	59.17	1.35	71.4	2,359	385	13.45	82.47	1.42	16.9
2016	210,749	9,859	2.67	57.01	1.30	67.0	2,541	412	10.51	64.79	1.27	18.3
2017	192,637	9,178	2.49	52.29	1.35	70.7	1,850	297	11.18	69.57	1.42	15.2
2018	170,730	8,224	2.47	51.38	1.30	67.2	2,319	372	13.46	83.97	1.35	15.9
2019	146,324	7,088	2.55	52.69	1.19	65.1	1,684	275	13.19	80.82	1.47	14.5
2020	134,523	6,515	2.49	51.38	1.27	68.9	1,700	277	10.52	64.54	1.20	17.0
2021	141,492	6,781	2.33	48.60	1.33	69.9	2,380	387	12.90	79.39	1.46	21.3
2022	138,708	6,721	2.78	57.30	1.27	70.3	2,475	404	18.35	112.54	1.26	10.5
2023	123,941	6,174	3.26	65.45	1.02	71.7	2,862	468	17.32	105.80	1.35	15.2
Year 2022												
January	12,244	593	2.58	53.22	1.35	67.4	301	49	14.12	86.62	1.46	18.3
February	10,697	520	2.65	54.46	1.17	68.2	229	37	15.76	97.63	1.27	16.8
March	12,941	626	2.53	52.28	1.39	74.0	219	36	15.78	97.43	1.06	11.4
April	10,674	504	2.78	58.94	1.37	65.8	112	18	19.33	118.47	1.55	5.7
May	12,282	597	2.49	51.10	1.38	72.5	175	29	19.13	117.32	0.90	10.0
June	11,491	564	2.36	48.06	1.45	72.2	144	23	21.21	129.90	1.07	6.9
July	12,246	595	2.65	54.47	1.30	75.6	156	26	19.35	118.47	1.57	7.5
August	10,874	533	2.67	54.52	1.21	66.4	157	25	20.21	124.53	1.54	11.4
Sept	11,393	556	3.10	63.58	1.06	74.0	202	33	18.30	112.79	1.13	10.7
October	11,143	541	3.52	72.50	0.91	68.4	223	36	17.89	109.96	1.15	11.7
November	10,179	488	3.21	66.97	1.29	65.4	219	36	23.10	140.27	1.11	12.1
December	12,543	605	2.91	60.37	1.36	73.2	337	56	19.51	118.50	1.38	9.1
Year 2023												
January	11,082	548	2.99	60.56	1.21	66.3	336	55	17.76	108.25	1.35	15.8
February	10,894	523	3.79	78.83	1.06	72.3	332	55	17.22	104.12	1.55	20.5
March	10,570	525	3.64	73.24	0.78	71.6	440	73	16.48	99.40	1.62	21.2
April	11,351	563	3.48	70.15	0.97	80.0	300	50	17.07	103.34	1.55	17.7
May	10,576	520	3.41	69.33	1.16	72.2	309	51	15.64	95.51	1.12	23.0
June	10,155	532	2.82	53.77	0.82	76.0	93	15	16.41	103.52	1.09	6.7
July	9,652	499	2.86	55.29	0.73	70.1	141	23	16.54	102.83	1.00	10.9
August	10,109	515	3.10	60.84	0.91	77.7	136	22	17.84	111.00	1.20	9.9
Sept	8,716	431	3.73	75.33	1.07	63.4	154	25	16.85	104.23	1.13	11.8
October	10,465	521	3.22	64.67	1.08	74.9	232	38	20.00	122.63	1.47	17.1
November	9,969	489	3.04	62.05	1.15	68.6	198	32	19.26	117.80	1.37	13.5
December	10,403	508	3.04	62.22	1.25	68.8	191	31	17.47	108.06	1.32	10.4
Year 2024												
January	9,556	480	2.78	55.44	0.87	58.3	313	51	16.91	104.56	1.20	11.7
February	11,198	553	3.08	62.42	1.01	77.6	195	32	18.01	108.28	1.65	12.4
March	10,962	527	3.18	66.06	0.99	64.3	148	24	15.74	95.28	1.53	9.7
April	8,753	436	2.86	57.41	1.03	65.5	132	21	17.82	109.90	1.57	8.4
May	9,654	481	2.86	57.39	0.85	72.6	128	21	16.69	103.83	1.60	8.0
June	9,675	483	3.00	60.11	0.97	70.8	142	23	16.94	104.50	1.23	9.0
July	10,223	503	2.93	59.57	1.21	70.4	183	30	16.48	101.78	1.58	15.0
Year to Date												
2022	82,575	3,999	2.57	53.10	1.35	70.8	1,337	217	17.14	105.39	1.26	10.4
2023	74,279	3,710	3.29	65.94	0.97	72.5	1,951	321	16.78	102.16	1.37	17.0
2024	70,021	3,463	2.96	59.94	0.99	68.2	1,240	202	16.96	104.11	1.43	10.6
Rolling 12 Months Ending in July												
2023	130,412	6,433	3.20	64.89	1.05	71.2	3,090	507	17.88	109.03	1.35	13.9
2024	119,683	5,927	3.07	61.92	1.03	69.2	2,151	350	17.59	108.17	1.40	11.3

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Notes:

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

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

- Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary.

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

Table 4.5. Receipts, Average Cost, and Quality of Fossil Fuels: Industrial Sector, 2014 - July 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	--	--	--	--	787,434	765,807	2.97	3.05	55.0	3.05
Year 2022												
January	0	0	--	--	--	0.0	76,455	74,275	4.68	4.82	59.9	4.42
February	0	0	--	--	--	0.0	65,784	63,860	5.74	5.91	59.0	5.34
March	0	0	--	--	--	0.0	71,461	69,559	4.69	4.82	60.3	4.39
April	0	0	--	--	--	0.0	67,470	65,714	5.97	6.13	60.8	5.55
May	0	0	--	--	--	0.0	67,025	65,283	7.68	7.89	58.8	6.90
June	0	0	--	--	--	0.0	68,964	67,264	8.29	8.50	60.1	7.47
July	0	0	--	--	--	0.0	72,749	70,916	6.93	7.11	58.8	6.33
August	0	0	--	--	--	0.0	73,848	72,011	8.69	8.91	59.1	7.94
Sept	0	0	--	--	--	0.0	66,052	64,306	8.40	8.63	57.9	7.65
October	82	3	4.46	124.88	5.99	4.6	65,621	63,673	5.82	5.99	57.1	5.52
November	0	0	--	--	--	0.0	69,498	67,553	5.11	5.26	58.9	4.92
December	0	0	--	--	--	0.0	70,500	68,450	6.26	6.45	58.4	5.81
Year 2023												
January	0	0	--	--	--	--	69,363	67,415	5.03	5.17	54.6	4.80
February	0	0	--	--	--	--	62,244	60,546	3.23	3.32	54.9	3.37
March	0	0	--	--	--	--	66,976	65,267	2.75	2.82	54.6	2.94
April	0	0	--	--	--	--	60,328	58,682	2.31	2.38	56.3	2.56
May	0	0	--	--	--	--	63,898	62,168	2.37	2.43	56.7	2.57
June	0	0	--	--	--	--	64,518	62,967	2.48	2.54	55.3	2.54
July	0	0	--	--	--	--	64,395	62,551	2.85	2.93	53.1	2.87
August	0	0	--	--	--	--	65,646	63,786	2.82	2.91	54.4	2.89
Sept	0	0	--	--	--	--	64,674	62,843	2.80	2.88	54.4	2.94
October	0	0	--	--	--	--	64,422	62,613	2.86	2.94	55.2	2.96
November	0	0	--	--	--	--	67,757	65,829	3.09	3.18	55.7	3.13
December	0	0	--	--	--	--	73,212	71,141	2.86	2.95	55.3	2.92
Year 2024												
January	0	0	--	--	--	--	72,977	70,824	3.61	3.72	53.6	3.57
February	0	0	--	--	--	--	63,201	61,384	2.58	2.66	54.1	2.70
March	0	0	--	--	--	--	64,810	63,040	1.82	1.87	54.8	2.05
April	0	0	--	--	--	--	65,018	63,309	1.94	1.99	56.4	2.07
May	0	0	--	--	--	--	64,149	62,385	1.97	2.03	55.4	2.11
June	0	0	--	--	--	--	62,267	60,508	2.51	2.58	55.2	2.60
July	0	0	--	--	--	--	65,470	63,640	2.46	2.53	54.6	2.56
Year to Date												
2022	0	0	--	--	--	0.0	489,909	476,871	6.25	6.43	59.7	5.75
2023	0	0	--	--	--	--	451,722	439,596	3.03	3.11	55.0	3.12
2024	0	0	--	--	--	--	457,891	445,089	2.43	2.50	54.9	2.54
Rolling 12 Months Ending in July												
2023	82	3	4.46	124.88	5.99	0.4	797,241	775,587	4.70	4.83	56.4	4.53
2024	0	0	--	--	--	--	793,604	771,301	2.63	2.70	54.9	2.72

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

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

W = Withheld to avoid disclosure of individual company data.

Notes:

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

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

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

- Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary.

- See Glossary for definitions.

- Starting in January 2013, there may have been a shift in the continuity of Chapter 4 tables due to changes in the sample design of Form EIA-923 and the imputation process.

- See the EIA-923 section of the Technical Notes for a discussion of the sample design for the Form EIA-923 and predecessor forms.

- See the Technical Notes for fuel conversion factors.

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

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



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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
New England	3	3	-4.7%	0	0	3	3	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	3	3	-4.7%	0	0	3	3	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	635	696	-8.7%	0	0	625	685	0	0	10	11
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	635	696	-8.7%	0	0	625	685	0	0	10	11
East North Central	7,380	6,968	5.9%	4,678	4,357	2,582	2,472	0	0	120	139
Illinois	1,934	1,550	25.0%	368	239	1,446	1,172	0	0	120	139
Indiana	1,761	1,793	-1.8%	1,605	1,604	156	189	0	0	0	0
Michigan	1,666	1,099	52.0%	1,666	1,088	0	11	0	0	0	0
Ohio	1,144	1,355	-16.0%	163	256	981	1,100	0	0	0	0
Wisconsin	876	1,170	-25.0%	876	1,170	0	0	0	0	0	0
West North Central	7,073	8,930	-21.0%	6,828	8,679	0	0	0	0	244	251
Iowa	715	1,202	-41.0%	519	999	0	0	0	0	197	203
Kansas	900	1,245	-28.0%	900	1,245	0	0	0	0	0	0
Minnesota	510	781	-35.0%	510	781	0	0	0	0	0	0
Missouri	2,109	2,603	-19.0%	2,109	2,603	0	0	0	0	0	0
Nebraska	795	1,008	-21.0%	747	961	0	0	0	0	48	47
North Dakota	1,966	1,925	2.1%	1,966	1,925	0	0	0	0	0	0
South Dakota	78	165	-53.0%	78	165	0	0	0	0	0	0
South Atlantic	4,020	4,368	-8.0%	3,706	4,211	277	148	0	0	37	9
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	358	408	-12.0%	348	408	0	0	0	0	10	0
Georgia	767	956	-20.0%	756	947	0	0	0	0	12	9
Maryland	59	69	-14.0%	0	0	59	69	0	0	0	0
North Carolina	637	423	51.0%	637	423	0	0	0	0	0	0
South Carolina	524	723	-27.0%	524	723	0	0	0	0	0	0
Virginia	126	90	40.0%	111	90	0	0	0	0	15	0
West Virginia	1,549	1,675	-7.5%	1,331	1,620	218	55	0	0	0	0
East South Central	3,596	4,042	-11.0%	3,381	3,689	174	292	0	0	41	61
Alabama	899	1,137	-21.0%	899	1,137	0	0	0	0	0	0
Kentucky	2,101	2,216	-5.2%	2,101	2,216	0	0	0	0	0	0
Mississippi	254	324	-22.0%	79	32	174	292	0	0	0	0
Tennessee	342	365	-6.4%	301	304	0	0	0	0	41	61
West South Central	5,197	6,764	-23.0%	2,081	3,293	3,112	3,467	0	0	4	5
Arkansas	724	870	-17.0%	622	733	98	132	0	0	4	5
Louisiana	278	496	-44.0%	136	206	142	290	0	0	0	0
Oklahoma	80	440	-82.0%	80	440	0	0	0	0	0	0
Texas	4,115	4,958	-17.0%	1,243	1,913	2,872	3,045	0	0	0	0
Mountain	4,709	5,408	-13.0%	4,111	4,617	598	791	0	0	0	0
Arizona	503	657	-23.0%	503	657	0	0	0	0	0	0
Colorado	758	1,087	-30.0%	758	1,087	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	479	639	-25.0%	0	0	479	639	0	0	0	0
Nevada	149	128	16.0%	75	55	74	73	0	0	0	0
New Mexico	523	519	0.7%	523	519	0	0	0	0	0	0
Utah	807	397	103.0%	763	361	44	36	0	0	0	0
Wyoming	1,490	1,981	-25.0%	1,489	1,938	1	44	0	0	0	0
Pacific Contiguous	213	82	161.0%	0	0	167	59	0	0	46	23
California	46	23	104.0%	0	0	0	0	0	0	46	23
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	167	59	182.0%	0	0	167	59	0	0	0	0
Pacific Noncontiguous	37	37	-0.3%	37	37	0	0	0	0	0	0
Alaska	37	37	-0.3%	37	37	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	32,863	37,298	-12.0%	24,822	28,883	7,538	7,916	0	0	503	499

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

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

W = Withheld to avoid disclosure of individual company data.

Notes:

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

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

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) July 2024 and 2023  
(Thousand Tons)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
New England	24	92	-74.0%	0	0	24	92	0	0	0	0
Connecticut	0	0	--	0	0	0	0	0	0	0	0
Maine	24	38	-36.0%	0	0	24	38	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	3,863	3,954	-2.3%	0	0	3,811	3,887	0	0	52	67
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	0	0	--	0	0	0	0	0	0	0	0
Pennsylvania	3,863	3,954	-2.3%	0	0	3,811	3,887	0	0	52	67
East North Central	40,502	50,028	-19.0%	25,452	30,416	14,234	18,635	0	0	816	976
Illinois	11,332	13,434	-16.0%	1,690	2,764	8,827	9,694	0	0	816	976
Indiana	10,025	12,751	-21.0%	9,125	11,412	900	1,340	0	0	0	0
Michigan	7,889	8,024	-1.7%	7,889	7,949	0	75	0	0	0	0
Ohio	5,717	9,138	-37.0%	1,209	1,612	4,507	7,526	0	0	0	0
Wisconsin	5,539	6,680	-17.0%	5,539	6,680	0	0	0	0	0	0
West North Central	43,104	55,598	-22.0%	41,516	54,007	0	0	6	2	1,582	1,589
Iowa	5,580	7,827	-29.0%	4,343	6,623	0	0	0	0	1,237	1,204
Kansas	4,613	7,237	-36.0%	4,613	7,237	0	0	0	0	0	0
Minnesota	3,630	5,177	-30.0%	3,630	5,177	0	0	0	0	0	0
Missouri	11,595	16,319	-29.0%	11,589	16,317	0	0	6	2	0	0
Nebraska	5,140	6,705	-23.0%	4,795	6,320	0	0	0	0	346	385
North Dakota	11,974	11,783	1.6%	11,974	11,783	0	0	0	0	0	0
South Dakota	571	550	3.9%	571	550	0	0	0	0	0	0
South Atlantic	26,593	30,256	-12.0%	24,655	27,037	1,753	2,938	0	0	185	281
Delaware	0	48	-100.0%	0	0	0	48	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	2,187	3,618	-40.0%	2,167	3,597	0	0	0	0	20	20
Georgia	4,811	5,658	-15.0%	4,741	5,580	0	0	0	0	70	77
Maryland	303	616	-51.0%	0	0	303	616	0	0	0	0
North Carolina	4,232	2,816	50.0%	4,232	2,738	0	0	0	0	0	77
South Carolina	4,137	4,580	-9.7%	4,122	4,470	0	88	0	0	14	22
Virginia	628	675	-6.9%	547	591	0	0	0	0	81	84
West Virginia	10,296	12,247	-16.0%	8,846	10,061	1,450	2,186	0	0	0	0
East South Central	25,599	28,696	-11.0%	24,098	26,439	1,051	1,909	0	0	449	348
Alabama	6,371	7,843	-19.0%	6,371	7,843	0	0	0	0	0	0
Kentucky	15,306	16,464	-7.0%	15,306	16,464	0	0	0	0	0	0
Mississippi	1,683	2,491	-32.0%	632	582	1,051	1,909	0	0	0	0
Tennessee	2,239	1,898	18.0%	1,789	1,550	0	0	0	0	449	348
West South Central	33,198	43,760	-24.0%	14,069	21,248	19,089	22,365	0	0	41	147
Arkansas	4,941	6,267	-21.0%	4,212	5,040	703	1,194	0	0	26	33
Louisiana	1,985	3,387	-41.0%	1,052	1,639	933	1,749	0	0	0	0
Oklahoma	1,177	2,937	-60.0%	1,162	2,823	0	0	0	0	15	113
Texas	25,096	31,169	-19.0%	7,643	11,746	17,453	19,423	0	0	0	0
Mountain	29,403	33,588	-12.0%	25,743	28,902	3,660	4,686	0	0	0	0
Arizona	3,442	4,960	-31.0%	3,442	4,960	0	0	0	0	0	0
Colorado	4,807	7,183	-33.0%	4,807	7,183	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	2,861	3,779	-24.0%	0	0	2,861	3,779	0	0	0	0
Nevada	1,004	808	24.0%	652	410	352	399	0	0	0	0
New Mexico	2,974	2,125	40.0%	2,974	2,125	0	0	0	0	0	0
Utah	5,493	4,500	22.0%	5,250	4,276	243	224	0	0	0	0
Wyoming	8,823	10,233	-14.0%	8,619	9,948	204	284	0	0	0	0
Pacific Contiguous	1,341	1,878	-29.0%	0	0	1,003	1,576	0	0	337	302
California	337	302	12.0%	0	0	0	0	0	0	337	302
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	1,003	1,576	-36.0%	0	0	1,003	1,576	0	0	0	0
Pacific Noncontiguous	236	219	8.0%	236	219	0	0	0	0	0	0
Alaska	236	219	8.0%	236	219	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	203,862	248,067	-18.0%	155,769	188,268	44,624	56,087	6	2	3,463	3,710

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

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

W = Withheld to avoid disclosure of individual company data.

Notes:

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

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

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, July 2024 and 2023  
(Thousand Barrels)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
New England	0	11	-96.0%	0	0	0	11	0	0	0	0
Connecticut	0	9	-100.0%	0	0	0	9	0	0	0	0
Maine	0	2	-82.0%	0	0	0	2	0	0	0	0
Massachusetts	0	0	--	0	0	0	0	0	0	0	0
New Hampshire	0	0	-52.0%	0	0	0	0	0	0	0	0
Rhode Island	0	0	--	0	0	0	0	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	10	323	-97.0%	0	253	5	64	0	0	5	5
New Jersey	0	0	--	0	0	0	0	0	0	0	0
New York	1	309	-100.0%	0	253	1	56	0	0	0	0
Pennsylvania	9	14	-31.0%	0	0	4	8	0	0	5	5
East North Central	27	45	-40.0%	19	38	3	2	0	0	4	5
Illinois	3	2	46.0%	0	1	3	2	0	0	0	0
Indiana	12	20	-38.0%	12	20	0	0	0	0	0	0
Michigan	5	19	-73.0%	4	16	0	0	0	0	2	3
Ohio	4	2	75.0%	1	1	0	0	0	0	3	1
Wisconsin	2	1	113.0%	2	1	0	0	0	0	0	0
West North Central	30	34	-12.0%	30	34	0	0	0	0	0	0
Iowa	6	6	6.2%	6	6	0	0	0	0	0	0
Kansas	7	1	670.0%	7	1	0	0	0	0	0	0
Minnesota	3	2	33.0%	3	2	0	0	0	0	0	0
Missouri	10	14	-30.0%	10	14	0	0	0	0	0	0
Nebraska	1	1	0.0%	1	1	0	0	0	0	0	0
North Dakota	3	10	-69.0%	3	10	0	0	0	0	0	0
South Dakota	0	0	--	0	0	0	0	0	0	0	0
South Atlantic	157	107	47.0%	59	54	78	41	0	0	20	13
Delaware	3	3	-11.0%	0	0	3	3	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	19	11	66.0%	16	9	0	0	0	0	2	3
Georgia	16	11	45.0%	3	6	0	0	0	0	13	5
Maryland	61	30	99.0%	0	0	61	30	0	0	0	0
North Carolina	4	4	-17.0%	4	4	0	0	0	0	0	0
South Carolina	7	9	-17.0%	6	7	0	2	0	0	1	0
Virginia	31	14	119.0%	14	4	15	5	0	0	3	5
West Virginia	17	24	-29.0%	17	24	0	0	0	0	0	0
East South Central	16	9	74.0%	16	9	0	0	0	0	0	0
Alabama	0	0	--	0	0	0	0	0	0	0	0
Kentucky	11	4	184.0%	11	4	0	0	0	0	0	0
Mississippi	1	1	-11.0%	1	1	0	0	0	0	0	0
Tennessee	4	4	-8.1%	4	4	0	0	0	0	0	0
West South Central	10	12	-14.0%	7	7	3	5	0	0	0	0
Arkansas	4	4	6.6%	3	3	2	2	0	0	0	0
Louisiana	0	3	-100.0%	0	3	0	0	0	0	0	0
Oklahoma	0	0	--	0	0	0	0	0	0	0	0
Texas	6	5	13.0%	5	1	1	4	0	0	0	0
Mountain	15	17	-7.2%	15	14	0	3	0	0	0	0
Arizona	5	5	-9.5%	5	5	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	2	-100.0%	0	0	0	2	0	0	0	0
Nevada	1	2	-40.0%	1	2	0	0	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	3	1	170.0%	3	1	0	1	0	0	0	0
Wyoming	7	6	2.9%	7	6	0	0	0	0	0	0
Pacific Contiguous	4	2	113.0%	0	0	4	2	0	0	0	0
California	0	0	--	0	0	0	0	0	0	0	0
Oregon	0	0	--	0	0	0	0	0	0	0	0
Washington	4	2	113.0%	0	0	4	2	0	0	0	0
Pacific Noncontiguous	673	838	-20.0%	476	676	197	162	0	0	0	0
Alaska	2	1	62.0%	2	1	0	0	0	0	0	0
Hawaii	672	837	-20.0%	475	675	197	162	0	0	0	0
U.S. Total	944	1,397	-32.0%	623	1,085	291	290	0	0	30	23

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Notes:

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

Petroleum Liquids includes distillate and residual fuel oils.

See the Technical Notes for fuel conversion factors.

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
New England	115	530	-78.0%	0	0	115	530	0	0	0	0
Connecticut	31	25	24.0%	0	0	31	25	0	0	0	0
Maine	22	181	-88.0%	0	0	22	181	0	0	0	0
Massachusetts	5	209	-98.0%	0	0	5	209	0	0	0	0
New Hampshire	56	66	-15.0%	0	0	56	66	0	0	0	0
Rhode Island	0	48	-100.0%	0	0	0	48	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	191	783	-76.0%	48	431	110	316	0	0	33	36
New Jersey	1	12	-90.0%	0	0	1	12	0	0	0	0
New York	110	662	-83.0%	48	431	62	231	0	0	0	0
Pennsylvania	79	109	-27.0%	0	0	46	73	0	0	33	36
East North Central	377	473	-20.0%	203	333	144	106	0	0	30	34
Illinois	36	27	34.0%	1	4	35	23	0	0	0	0
Indiana	90	105	-14.0%	90	105	0	0	0	0	0	0
Michigan	92	175	-48.0%	84	157	0	0	0	0	8	17
Ohio	146	154	-5.2%	14	55	109	83	0	0	23	16
Wisconsin	14	12	14.0%	14	12	0	0	0	0	0	0
West North Central	416	381	9.2%	416	381	0	0	0	0	0	0
Iowa	62	53	16.0%	62	53	0	0	0	0	0	0
Kansas	115	56	104.0%	115	56	0	0	0	0	0	0
Minnesota	11	24	-55.0%	11	24	0	0	0	0	0	0
Missouri	153	163	-6.6%	153	163	0	0	0	0	0	0
Nebraska	9	5	66.0%	9	5	0	0	0	0	0	0
North Dakota	61	70	-13.0%	61	70	0	0	0	0	0	0
South Dakota	6	8	-29.0%	6	8	0	0	0	0	0	0
South Atlantic	924	1,669	-45.0%	472	1,170	316	252	0	0	136	248
Delaware	9	6	51.0%	0	0	9	6	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	104	541	-81.0%	89	469	0	55	0	0	15	16
Georgia	130	237	-45.0%	43	133	2	0	0	0	85	105
Maryland	272	92	197.0%	0	0	272	92	0	0	0	0
North Carolina	71	240	-70.0%	71	158	0	0	0	0	0	82
South Carolina	90	127	-29.0%	77	93	0	12	0	0	13	22
Virginia	131	229	-43.0%	75	145	32	62	0	0	24	22
West Virginia	116	198	-41.0%	116	172	0	25	0	0	0	0
East South Central	102	409	-75.0%	100	405	0	0	0	0	2	4
Alabama	8	39	-79.0%	8	39	0	0	0	0	0	0
Kentucky	69	106	-35.0%	69	106	0	0	0	0	0	0
Mississippi	8	2	251.0%	8	2	0	0	0	0	0	0
Tennessee	17	261	-94.0%	15	257	0	0	0	0	2	4
West South Central	148	105	41.0%	108	65	40	40	0	0	0	0
Arkansas	37	35	6.0%	26	25	11	10	0	0	0	0
Louisiana	3	3	1.9%	3	3	0	0	0	0	0	0
Oklahoma	18	5	246.0%	18	5	0	0	0	0	0	0
Texas	90	62	45.0%	62	33	29	30	0	0	0	0
Mountain	128	144	-11.0%	109	132	19	12	0	0	0	0
Arizona	25	27	-8.0%	25	27	0	0	0	0	0	0
Colorado	8	14	-44.0%	8	14	0	0	0	0	0	0
Idaho	0	0	--	0	0	0	0	0	0	0	0
Montana	29	7	339.0%	12	0	17	7	0	0	0	0
Nevada	7	8	-3.8%	6	6	1	1	0	0	0	0
New Mexico	0	0	--	0	0	0	0	0	0	0	0
Utah	22	33	-34.0%	21	29	1	4	0	0	0	0
Wyoming	37	56	-33.0%	37	56	0	0	0	0	0	0
Pacific Contiguous	22	38	-42.0%	13	32	10	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	22	38	-42.0%	13	32	10	7	0	0	0	0
Pacific Noncontiguous	5,374	5,518	-2.6%	4,216	4,486	1,158	1,032	0	0	0	0
Alaska	7	10	-35.0%	7	10	0	0	0	0	0	0
Hawaii	5,367	5,508	-2.6%	4,210	4,475	1,158	1,032	0	0	0	0
U.S. Total	7,797	10,049	-22.0%	5,685	7,434	1,910	2,294	0	0	202	321

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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, July 2024 and 2023  
(Thousand Tons)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 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	75	45	65.0%	75	45	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	75	44	69.0%	75	44	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	67	55	22.0%	67	55	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	67	55	22.0%	67	55	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	47	0	--	47	0	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	47	0	--	47	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	189	100	89.0%	189	100	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) July 2024 and 2023  
(Thousand Tons)**

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 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	337	322	4.5%	337	322	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	334	308	8.5%	334	308	0	0	0	0	0	0
Ohio	0	0	--	0	0	0	0	0	0	0	0
Wisconsin	3	15	-79.0%	3	15	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	134	272	-51.0%	134	272	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	134	272	-51.0%	134	272	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	82	295	-72.0%	82	295	0	0	0	0	0	0
Arkansas	0	0	--	0	0	0	0	0	0	0	0
Louisiana	82	295	-72.0%	82	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	553	889	-38.0%	553	889	0	0	0	0	0	0

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

Petroleum Coke includes petroleum coke-derived synthesis gas.

See the Technical Notes for fuel conversion factors.

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
New England	38,160	38,312	-0.4%	0	39	38,160	38,273	0	0	0	0
Connecticut	17,036	16,260	4.8%	0	0	17,036	16,260	0	0	0	0
Maine	2,579	2,003	29.0%	0	0	2,579	2,003	0	0	0	0
Massachusetts	11,900	11,460	3.8%	0	39	11,900	11,422	0	0	0	0
New Hampshire	1,913	4,634	-59.0%	0	0	1,913	4,634	0	0	0	0
Rhode Island	4,732	3,955	20.0%	0	0	4,732	3,955	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	187,168	180,938	3.4%	15,216	14,327	169,988	164,420	0	0	1,964	2,192
New Jersey	25,120	28,955	-13.0%	0	0	25,120	28,955	0	0	0	0
New York	54,418	55,369	-1.7%	15,216	14,327	38,619	40,463	0	0	583	579
Pennsylvania	107,631	96,615	11.0%	0	0	106,249	95,002	0	0	1,381	1,613
East North Central	147,879	145,227	1.8%	63,800	51,075	82,439	92,650	430	407	1,211	1,095
Illinois	18,041	22,972	-21.0%	2,258	2,208	15,782	20,761	0	0	2	2
Indiana	23,656	22,945	3.1%	12,722	11,584	10,935	11,361	0	0	0	0
Michigan	42,858	38,369	12.0%	25,304	16,631	16,836	20,948	430	407	288	384
Ohio	45,591	45,392	0.4%	6,220	5,916	38,886	39,051	0	0	486	425
Wisconsin	17,732	15,550	14.0%	17,296	14,736	0	530	0	0	436	284
West North Central	28,057	24,349	15.0%	23,398	20,303	3,936	3,223	199	200	524	622
Iowa	7,226	7,460	-3.1%	6,702	6,838	0	0	0	0	524	622
Kansas	4,621	3,168	46.0%	4,621	3,168	0	0	0	0	0	0
Minnesota	5,943	4,949	20.0%	4,410	4,166	1,532	782	1	1	0	0
Missouri	8,129	7,015	16.0%	5,526	4,375	2,403	2,441	199	199	0	0
Nebraska	765	684	12.0%	765	684	0	0	0	0	0	0
North Dakota	479	282	70.0%	479	282	0	0	0	0	0	0
South Dakota	893	791	13.0%	893	791	0	0	0	0	0	0
South Atlantic	312,623	299,438	4.4%	260,725	251,409	48,746	45,190	0	0	3,153	2,839
Delaware	3,494	4,716	-26.0%	0	0	3,494	4,716	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	144,328	140,898	2.4%	138,068	135,027	5,868	5,482	0	0	392	389
Georgia	37,592	36,056	4.3%	30,908	29,196	5,758	6,113	0	0	926	747
Maryland	13,812	11,735	18.0%	2,789	3,879	11,023	7,857	0	0	0	0
North Carolina	48,910	41,936	17.0%	43,423	36,634	5,487	5,302	0	0	0	0
South Carolina	16,769	18,757	-11.0%	15,380	18,042	1,211	535	0	0	178	179
Virginia	45,116	41,783	8.0%	29,617	27,797	14,479	12,958	0	0	1,019	1,028
West Virginia	2,602	3,557	-27.0%	539	834	1,425	2,228	0	0	638	496
East South Central	120,606	107,012	13.0%	91,783	80,558	26,388	24,541	0	0	2,435	1,913
Alabama	48,440	42,621	14.0%	23,334	19,126	25,106	23,495	0	0	0	0
Kentucky	15,756	11,846	33.0%	14,489	10,811	1,267	1,034	0	0	0	0
Mississippi	42,544	41,667	2.1%	42,530	41,655	14	12	0	0	0	0
Tennessee	13,865	10,878	27.0%	11,430	8,965	0	0	0	0	2,435	1,913
West South Central	340,174	342,002	-0.5%	129,129	123,170	159,007	167,261	0	0	52,039	51,571
Arkansas	16,962	16,274	4.2%	15,434	14,915	1,185	1,207	0	0	343	152
Louisiana	58,582	55,825	4.9%	39,067	33,816	3,455	5,035	0	0	16,059	16,974
Oklahoma	39,989	41,346	-3.3%	28,864	29,053	10,640	11,661	0	0	485	632
Texas	224,641	228,557	-1.7%	45,763	45,385	143,726	149,359	0	0	35,151	33,813
Mountain	110,555	97,774	13.0%	91,124	81,990	19,401	15,785	0	0	30	0
Arizona	50,479	43,915	15.0%	36,274	33,098	14,205	10,817	0	0	0	0
Colorado	14,761	13,683	7.9%	12,388	11,488	2,373	2,195	0	0	0	0
Idaho	1,368	1,438	-4.9%	1,368	1,438	0	0	0	0	0	0
Montana	543	413	32.0%	543	413	0	0	0	0	0	0
Nevada	21,420	19,912	7.6%	21,420	19,912	0	0	0	0	0	0
New Mexico	9,693	9,842	-1.5%	6,875	7,069	2,818	2,773	0	0	0	0
Utah	7,568	7,178	5.4%	7,538	7,178	0	0	0	0	30	0
Wyoming	4,722	1,394	239.0%	4,717	1,394	4	0	0	0	0	0
Pacific Contiguous	87,882	87,768	0.1%	31,341	29,590	54,258	55,859	0	0	2,284	2,319
California	69,037	69,684	-0.9%	22,549	20,494	44,205	46,871	0	0	2,284	2,319
Oregon	11,769	10,398	13.0%	4,549	4,399	7,221	5,999	0	0	0	0
Washington	7,075	7,686	-7.9%	4,243	4,697	2,832	2,989	0	0	0	0
Pacific Noncontiguous	0	8	-96.0%	0	8	0	0	0	0	0	0
Alaska	0	8	-96.0%	0	8	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	1,373,106	1,322,828	3.8%	706,516	652,468	602,321	607,202	629	607	63,640	62,551

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

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

W = Withheld to avoid disclosure of individual company data.

Notes:

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

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

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

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

Census Division and State	Electric Power Sector										
	All Sectors			Electric Utilities		Independent Power Producers		Commercial Sector		Industrial Sector	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
New England	197,313	196,176	0.6%	0	39	197,313	196,137	0	0	0	0
Connecticut	90,933	93,102	-2.3%	0	0	90,933	93,102	0	0	0	0
Maine	12,556	8,575	46.0%	0	0	12,556	8,575	0	0	0	0
Massachusetts	58,903	55,348	6.4%	0	39	58,903	55,309	0	0	0	0
New Hampshire	16,115	18,451	-13.0%	0	0	16,115	18,451	0	0	0	0
Rhode Island	18,805	20,700	-9.2%	0	0	18,805	20,700	0	0	0	0
Vermont	0	0	--	0	0	0	0	0	0	0	0
Middle Atlantic	955,873	899,734	6.2%	66,678	58,824	875,621	826,485	0	0	13,575	14,425
New Jersey	123,153	122,092	0.9%	0	0	123,153	122,092	0	0	0	0
New York	259,285	232,958	11.0%	66,678	58,824	188,398	170,178	0	0	4,209	3,957
Pennsylvania	573,436	544,684	5.3%	0	0	564,070	534,216	0	0	9,365	10,468
East North Central	835,298	775,659	7.7%	308,080	277,650	515,619	486,172	2,901	3,311	8,699	8,526
Illinois	80,741	80,872	-0.2%	11,376	9,600	69,330	71,243	0	0	36	30
Indiana	139,516	135,155	3.2%	69,177	70,151	70,340	65,005	0	0	0	0
Michigan	226,596	207,901	9.0%	94,794	77,727	126,325	123,748	2,901	3,311	2,577	3,115
Ohio	289,428	259,146	12.0%	37,523	32,161	248,263	223,622	0	0	3,642	3,364
Wisconsin	99,017	92,583	6.9%	95,211	88,012	1,361	2,554	0	0	2,444	2,018
West North Central	118,764	107,704	10.0%	103,096	89,740	11,152	13,482	1,261	1,340	3,254	3,143
Iowa	31,411	35,892	-12.0%	28,157	32,750	0	0	0	0	3,254	3,143
Kansas	22,651	16,083	41.0%	22,651	16,083	0	0	0	0	0	0
Minnesota	25,646	21,756	18.0%	22,290	18,102	3,348	3,645	8	9	0	0
Missouri	32,009	28,093	14.0%	22,952	16,926	7,804	9,836	1,253	1,331	0	0
Nebraska	1,939	1,892	2.5%	1,939	1,892	0	0	0	0	0	0
North Dakota	2,541	1,657	53.0%	2,541	1,657	0	0	0	0	0	0
South Dakota	2,566	2,331	10.0%	2,566	2,331	0	0	0	0	0	0
South Atlantic	1,652,332	1,614,447	2.3%	1,386,937	1,364,982	242,800	228,497	0	0	22,595	20,968
Delaware	12,274	14,028	-13.0%	0	0	12,274	14,028	0	0	0	0
District of Columbia	0	0	--	0	0	0	0	0	0	0	0
Florida	787,883	763,637	3.2%	754,991	733,053	30,245	28,314	0	0	2,646	2,270
Georgia	205,498	226,300	-9.2%	168,854	183,206	30,108	37,321	0	0	6,535	5,773
Maryland	57,773	60,337	-4.3%	12,090	18,496	45,682	41,841	0	0	0	0
North Carolina	234,044	227,893	2.7%	202,398	195,679	31,645	31,130	0	0	0	1,084
South Carolina	92,148	106,641	-14.0%	87,823	104,126	2,914	1,147	0	0	1,411	1,368
Virginia	244,093	198,185	23.0%	159,031	127,267	77,421	64,190	0	0	7,641	6,728
West Virginia	18,619	17,426	6.9%	1,749	3,155	12,510	10,526	0	0	4,361	3,745
East South Central	625,999	584,645	7.1%	483,321	420,760	126,217	149,060	0	0	16,461	14,825
Alabama	232,249	229,769	1.1%	110,158	83,450	122,091	146,319	0	0	0	0
Kentucky	72,585	55,435	31.0%	68,521	52,787	4,064	2,649	0	0	0	0
Mississippi	245,706	226,712	8.4%	245,644	226,620	62	92	0	0	0	0
Tennessee	75,458	72,729	3.8%	58,998	57,904	0	0	0	0	16,461	14,825
West South Central	1,847,694	1,785,801	3.5%	632,584	589,946	849,671	832,637	0	0	365,439	363,218
Arkansas	77,750	89,722	-13.0%	68,473	81,768	7,283	6,400	0	0	1,993	1,554
Louisiana	337,489	318,776	5.9%	200,514	179,151	20,845	24,484	0	0	116,130	115,140
Oklahoma	190,795	176,237	8.3%	134,664	114,947	52,403	57,222	0	0	3,727	4,068
Texas	1,241,661	1,201,067	3.4%	228,932	214,081	769,140	744,531	0	0	243,589	242,455
Mountain	523,823	490,077	6.9%	438,471	408,399	85,100	81,647	0	0	252	31
Arizona	215,401	206,701	4.2%	156,949	152,182	58,452	54,519	0	0	0	0
Colorado	79,213	72,925	8.6%	66,912	61,557	12,301	11,368	0	0	0	0
Idaho	7,117	5,563	28.0%	7,117	5,563	0	0	0	0	0	0
Montana	2,819	3,537	-20.0%	2,819	3,537	0	0	0	0	0	0
Nevada	101,036	94,563	6.8%	101,036	94,563	0	0	0	0	0	0
New Mexico	55,167	57,029	-3.3%	40,829	41,273	14,338	15,756	0	0	0	0
Utah	44,142	42,846	3.0%	43,890	42,815	0	0	0	0	252	31
Wyoming	18,929	6,913	174.0%	18,919	6,909	10	4	0	0	0	0
Pacific Contiguous	382,775	385,391	-0.7%	139,960	137,430	228,000	233,501	0	0	14,814	14,461
California	277,695	285,199	-2.6%	88,770	86,633	174,111	184,105	0	0	14,814	14,461
Oregon	68,254	62,023	10.0%	25,299	25,968	42,955	36,055	0	0	0	0
Washington	36,826	38,170	-3.5%	25,892	24,829	10,934	13,341	0	0	0	0
Pacific Noncontiguous	138	38	264.0%	138	38	0	0	0	0	0	0
Alaska	138	38	264.0%	138	38	0	0	0	0	0	0
Hawaii	0	0	--	0	0	0	0	0	0	0	0
U.S. Total	7,140,008	6,839,672	4.4%	3,559,266	3,347,808	3,131,492	3,047,617	4,162	4,651	445,089	439,596

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

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

W = Withheld to avoid disclosure of individual company data.

Notes:

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

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

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

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

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023
New England	W	W	W	--	--	W	W
Connecticut	--	--	--	--	--	--	--
Maine	W	W	W	--	--	W	W
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.10	1.92	9.4%	--	--	2.10	1.92
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	2.10	1.92	9.4%	--	--	2.10	1.92
East North Central	2.37	2.59	-8.5%	2.56	2.71	2.04	2.38
Illinois	W	W	W	1.84	2.05	W	W
Indiana	W	W	W	2.86	3.13	W	W
Michigan	2.45	W	W	2.45	2.60	--	W
Ohio	2.45	2.70	-9.3%	2.84	2.29	2.39	2.80
Wisconsin	2.29	2.39	-4.2%	2.29	2.39	--	--
West North Central	1.78	1.79	-0.6%	1.78	1.79	--	--
Iowa	2.05	1.73	18.0%	2.05	1.73	--	--
Kansas	1.63	1.75	-6.9%	1.63	1.75	--	--
Minnesota	2.33	2.33	0.0%	2.33	2.33	--	--
Missouri	1.81	1.89	-4.2%	1.81	1.89	--	--
Nebraska	1.28	1.30	-1.5%	1.28	1.30	--	--
North Dakota	1.75	1.64	6.7%	1.75	1.64	--	--
South Dakota	2.39	2.21	8.1%	2.39	2.21	--	--
South Atlantic	3.54	3.65	-3.0%	3.61	3.64	2.65	3.69
Delaware	--	W	W	--	--	--	W
District of Columbia	--	--	--	--	--	--	--
Florida	4.23	3.20	32.0%	4.23	3.20	--	--
Georgia	4.17	4.43	-5.9%	4.17	4.43	--	--
Maryland	W	W	W	--	--	W	W
North Carolina	4.62	4.96	-6.9%	4.62	4.96	--	--
South Carolina	3.30	3.86	-15.0%	3.30	3.86	--	--
Virginia	4.36	4.56	-4.4%	4.36	4.56	--	--
West Virginia	W	W	W	2.81	2.90	W	W
East South Central	W	W	W	2.53	2.72	W	W
Alabama	2.51	2.83	-11.0%	2.51	2.83	--	--
Kentucky	2.46	2.57	-4.3%	2.46	2.57	--	--
Mississippi	W	W	W	3.14	3.48	W	W
Tennessee	2.93	3.42	-14.0%	2.93	3.42	--	--
West South Central	2.16	2.10	2.9%	2.13	2.07	2.17	2.13
Arkansas	W	W	W	2.13	2.01	W	W
Louisiana	W	W	W	2.90	2.53	W	W
Oklahoma	2.39	2.21	8.1%	2.39	2.21	--	--
Texas	W	W	W	2.02	2.00	W	W
Mountain	W	W	W	2.73	2.46	W	W
Arizona	3.24	2.98	8.7%	3.24	2.98	--	--
Colorado	2.02	2.22	-9.0%	2.02	2.22	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	4.19	5.96	W	W
New Mexico	3.67	3.65	0.5%	3.67	3.65	--	--
Utah	3.55	2.46	44.0%	3.55	2.46	--	--
Wyoming	W	W	W	1.96	1.97	W	W
Pacific Contiguous	W	W	W	--	--	W	W
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	4.58	4.48	2.2%	4.58	4.48	--	--
Alaska	4.58	4.48	2.2%	4.58	4.48	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.47	2.48	-0.4%	2.56	2.54	2.16	2.26

Displayed values of zero may represent small values that round to zero.  
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Notes:  
 See Glossary for definitions. Values are preliminary.  
 See Technical Notes for a discussion of the sample design for the Form EIA-923.  
 Totals may not equal sum of components because of independent rounding. Percentage change is calculated before rounding.  
 Coal includes anthracite, bituminous, subbituminous, lignite, waste coal, and coal-derived synthesis gas.

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



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

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
New England	W	W	W	--	--	W	W
Connecticut	--	--	--	--	--	--	--
Maine	W	W	W	--	--	W	W
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	W	W	--	--	--	W
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.16	2.71	-20.0%	--	--	2.16	2.71
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	2.16	2.71	-20.0%	--	--	2.16	2.71
East North Central	2.47	2.52	-2.0%	2.67	2.68	2.12	2.27
Illinois	W	W	W	2.11	2.03	W	W
Indiana	W	W	W	2.91	2.98	W	W
Michigan	2.66	W	W	2.66	2.52	--	W
Ohio	2.66	2.55	4.3%	2.72	2.60	2.65	2.54
Wisconsin	2.35	2.50	-6.0%	2.35	2.50	--	--
West North Central	1.80	1.85	-2.7%	1.80	1.85	--	--
Iowa	1.97	1.81	8.8%	1.97	1.81	--	--
Kansas	1.61	1.71	-5.8%	1.61	1.71	--	--
Minnesota	2.29	2.40	-4.6%	2.29	2.40	--	--
Missouri	1.81	1.92	-5.7%	1.81	1.92	--	--
Nebraska	1.28	1.33	-3.8%	1.28	1.33	--	--
North Dakota	1.84	1.86	-1.1%	1.84	1.86	--	--
South Dakota	2.36	2.26	4.4%	2.36	2.26	--	--
South Atlantic	3.43	3.58	-4.2%	3.51	3.68	2.42	2.75
Delaware	--	W	W	--	--	--	W
District of Columbia	--	--	--	--	--	--	--
Florida	3.54	3.39	4.4%	3.54	3.39	--	--
Georgia	4.10	4.68	-12.0%	4.10	4.68	--	--
Maryland	W	W	W	--	--	W	W
North Carolina	4.47	4.59	-2.6%	4.47	4.59	--	--
South Carolina	3.25	W	W	3.25	3.72	--	W
Virginia	4.58	5.22	-12.0%	4.58	5.22	--	--
West Virginia	W	W	W	2.87	2.98	W	W
East South Central	W	W	W	2.61	2.75	W	W
Alabama	2.74	3.03	-9.6%	2.74	3.03	--	--
Kentucky	2.44	2.53	-3.6%	2.44	2.53	--	--
Mississippi	W	W	W	4.03	4.47	W	W
Tennessee	3.20	3.38	-5.3%	3.20	3.38	--	--
West South Central	2.09	2.18	-4.1%	2.08	2.23	2.10	2.14
Arkansas	W	W	W	2.04	2.20	W	W
Louisiana	W	W	W	2.69	2.95	W	W
Oklahoma	2.18	2.27	-4.0%	2.18	2.27	--	--
Texas	W	W	W	2.00	2.11	W	W
Mountain	W	W	W	2.75	2.36	W	W
Arizona	3.18	3.07	3.6%	3.18	3.07	--	--
Colorado	2.10	2.02	4.0%	2.10	2.02	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	--	--	W	W
Nevada	W	W	W	4.52	4.82	W	W
New Mexico	3.66	3.55	3.1%	3.66	3.55	--	--
Utah	3.62	2.50	45.0%	3.62	2.50	--	--
Wyoming	W	W	W	1.81	1.79	W	W
Pacific Contiguous	W	W	W	--	--	W	W
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	4.61	4.65	-0.9%	4.61	4.65	--	--
Alaska	4.61	4.65	-0.9%	4.61	4.65	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.50	2.51	-0.4%	2.60	2.57	2.15	2.30

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

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

W = Withheld to avoid disclosure of individual company data.

Notes:

See Glossary for definitions. Values are preliminary.

See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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, July 2024 and 2023**  
(Dollars per MMBtu)

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023
New England	W	W	W	--	--	W	W
Connecticut	--	W	W	--	--	--	W
Maine	W	W	W	--	--	W	W
Massachusetts	--	--	--	--	--	--	--
New Hampshire	W	W	W	--	--	W	W
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	20.32	W	W	--	14.42	20.32	W
New Jersey	--	--	--	--	--	--	--
New York	W	W	W	--	14.42	W	W
Pennsylvania	W	18.04	W	--	--	W	18.04
East North Central	18.86	18.17	3.8%	18.58	18.05	20.36	20.69
Illinois	20.36	20.26	0.5%	--	18.71	20.36	20.69
Indiana	19.33	18.99	1.8%	19.33	18.99	--	--
Michigan	18.51	16.71	11.0%	18.51	16.71	--	--
Ohio	12.60	18.99	-34.0%	12.60	18.99	--	--
Wisconsin	17.92	20.28	-12.0%	17.92	20.28	--	--
West North Central	18.95	20.56	-7.8%	18.95	20.56	--	--
Iowa	18.54	19.49	-4.9%	18.54	19.49	--	--
Kansas	18.60	18.67	-0.4%	18.60	18.67	--	--
Minnesota	18.20	19.69	-7.6%	18.20	19.69	--	--
Missouri	19.15	19.66	-2.6%	19.15	19.66	--	--
Nebraska	18.23	21.61	-16.0%	18.23	21.61	--	--
North Dakota	20.79	22.65	-8.2%	20.79	22.65	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	18.59	19.73	-5.8%	19.80	19.78	17.69	19.68
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	20.55	20.86	-1.5%	20.55	20.86	--	--
Georgia	20.97	20.64	1.6%	20.97	20.64	--	--
Maryland	W	W	W	--	--	W	W
North Carolina	18.53	20.37	-9.0%	18.53	20.37	--	--
South Carolina	19.89	W	W	19.89	20.79	--	W
Virginia	W	W	W	19.81	20.07	W	W
West Virginia	19.13	18.72	2.2%	19.13	18.72	--	--
East South Central	18.18	19.38	-6.2%	18.18	19.38	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	18.15	19.93	-8.9%	18.15	19.93	--	--
Mississippi	18.63	18.42	1.1%	18.63	18.42	--	--
Tennessee	18.15	19.10	-5.0%	18.15	19.10	--	--
West South Central	W	W	W	19.32	18.97	W	W
Arkansas	W	W	W	20.50	20.58	W	W
Louisiana	--	17.25	--	--	17.25	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	W	W	W	18.65	19.16	W	W
Mountain	20.64	22.25	-7.2%	20.64	21.98	--	23.66
Arizona	22.47	22.97	-2.2%	22.47	22.97	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	W	W	--	--	--	W
Nevada	22.88	W	W	22.88	20.68	--	W
New Mexico	--	--	--	--	--	--	--
Utah	19.81	W	W	19.81	10.68	--	W
Wyoming	19.23	22.47	-14.0%	19.23	22.47	--	--
Pacific Contiguous	W	W	W	--	--	W	W
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	W	W	W	--	--	W	W
Pacific Noncontiguous	W	W	W	18.14	17.52	W	W
Alaska	24.41	21.64	13.0%	24.41	21.64	--	--
Hawaii	W	W	W	18.12	17.52	W	W
U.S. Total	18.61	17.41	6.9%	18.41	17.07	19.04	18.69

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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.

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

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
New England	18.11	W	W	--	--	18.11	W
Connecticut	W	W	W	--	--	W	W
Maine	W	W	W	--	--	W	W
Massachusetts	W	W	W	--	--	W	W
New Hampshire	W	W	W	--	--	W	W
Rhode Island	--	W	W	--	--	--	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	17.79	16.47	8.0%	18.30	14.90	17.54	19.21
New Jersey	--	W	W	--	--	--	W
New York	W	16.03	W	18.30	14.90	W	18.66
Pennsylvania	W	W	W	--	--	W	W
East North Central	18.97	19.56	-3.0%	18.72	19.13	19.32	20.89
Illinois	20.10	22.95	-12.0%	20.20	21.98	20.10	23.12
Indiana	18.91	20.65	-8.4%	18.91	20.65	--	--
Michigan	18.53	16.55	12.0%	18.53	16.55	--	--
Ohio	19.06	21.54	-12.0%	19.01	23.46	19.07	20.27
Wisconsin	18.09	19.88	-9.0%	18.09	19.88	--	--
West North Central	19.00	21.32	-11.0%	19.00	21.32	--	--
Iowa	19.04	20.81	-8.5%	19.04	20.81	--	--
Kansas	19.08	20.80	-8.3%	19.08	20.80	--	--
Minnesota	18.37	20.36	-9.8%	18.37	20.36	--	--
Missouri	18.70	21.79	-14.0%	18.70	21.79	--	--
Nebraska	17.79	20.64	-14.0%	17.79	20.64	--	--
North Dakota	19.91	21.22	-6.2%	19.91	21.22	--	--
South Dakota	18.04	23.14	-22.0%	18.04	23.14	--	--
South Atlantic	19.06	21.97	-13.0%	20.00	21.57	17.66	24.04
Delaware	W	W	W	--	--	W	W
District of Columbia	--	--	--	--	--	--	--
Florida	20.61	W	W	20.61	20.94	--	W
Georgia	21.14	24.36	-13.0%	21.14	24.36	--	--
Maryland	W	20.14	W	--	--	W	20.14
North Carolina	19.67	24.56	-20.0%	19.67	24.56	--	--
South Carolina	19.77	W	W	19.77	21.88	--	W
Virginia	W	W	W	19.92	17.67	W	W
West Virginia	19.53	W	W	19.53	21.59	--	W
East South Central	19.09	21.55	-11.0%	19.09	21.55	--	--
Alabama	19.78	23.55	-16.0%	19.78	23.55	--	--
Kentucky	19.19	22.31	-14.0%	19.19	22.31	--	--
Mississippi	19.08	20.91	-8.8%	19.08	20.91	--	--
Tennessee	18.23	20.93	-13.0%	18.23	20.93	--	--
West South Central	18.20	20.26	-10.0%	17.61	20.35	19.84	20.12
Arkansas	W	W	W	18.10	21.52	W	W
Louisiana	19.11	17.25	11.0%	19.11	17.25	--	--
Oklahoma	17.86	20.55	-13.0%	17.86	20.55	--	--
Texas	W	W	W	17.26	19.67	W	W
Mountain	W	25.29	W	21.12	25.29	W	25.29
Arizona	22.78	26.35	-14.0%	22.78	26.35	--	--
Colorado	21.88	27.58	-21.0%	21.88	27.58	--	--
Idaho	--	--	--	--	--	--	--
Montana	W	W	W	20.32	--	W	W
Nevada	W	W	W	24.28	26.93	W	W
New Mexico	--	--	--	--	--	--	--
Utah	W	W	W	20.49	25.51	W	W
Wyoming	19.93	23.90	-17.0%	19.93	23.90	--	--
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	18.87	19.38	W	W
Alaska	22.71	23.80	-4.6%	22.71	23.80	--	--
Hawaii	W	W	W	18.87	19.37	W	W
U.S. Total	19.11	19.69	-2.9%	18.99	19.77	19.45	19.42

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:**

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See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

Petroleum 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, July 2024 and 2023  
(Dollars per MMBtu)**

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	2.61	2.93	-11.0%	2.61	2.93	--	--
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	2.61	2.88	-9.4%	2.61	2.88	--	--
Ohio	--	--	--	--	--	--	--
Wisconsin	--	5.09	--	--	5.09	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	3.68	4.16	-12.0%	3.68	4.16	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	3.68	4.16	-12.0%	3.68	4.16	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	--	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	3.55	--	--	3.55	--	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	3.55	--	--	3.55	--	--	--
Oklahoma	--	--	--	--	--	--	--
Texas	--	--	--	--	--	--	--
Mountain	--	--	--	--	--	--	--
Arizona	--	--	--	--	--	--	--
Colorado	--	--	--	--	--	--	--
Idaho	--	--	--	--	--	--	--
Montana	--	--	--	--	--	--	--
Nevada	--	--	--	--	--	--	--
New Mexico	--	--	--	--	--	--	--
Utah	--	--	--	--	--	--	--
Wyoming	--	--	--	--	--	--	--
Pacific Contiguous	--	--	--	--	--	--	--
California	--	--	--	--	--	--	--
Oregon	--	--	--	--	--	--	--
Washington	--	--	--	--	--	--	--
Pacific Noncontiguous	--	--	--	--	--	--	--
Alaska	--	--	--	--	--	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	3.23	3.62	-11.0%	3.23	3.62	--	--

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See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

Petroleum Coke includes petroleum coke-derived synthesis gas.

See the Technical Notes for fuel conversion factors.

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



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

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
New England	--	--	--	--	--	--	--
Connecticut	--	--	--	--	--	--	--
Maine	--	--	--	--	--	--	--
Massachusetts	--	--	--	--	--	--	--
New Hampshire	--	--	--	--	--	--	--
Rhode Island	--	--	--	--	--	--	--
Vermont	--	--	--	--	--	--	--
Middle Atlantic	--	--	--	--	--	--	--
New Jersey	--	--	--	--	--	--	--
New York	--	--	--	--	--	--	--
Pennsylvania	--	--	--	--	--	--	--
East North Central	2.63	2.98	-12.0%	2.63	2.98	--	--
Illinois	--	--	--	--	--	--	--
Indiana	--	--	--	--	--	--	--
Michigan	2.63	2.88	-8.7%	2.63	2.88	--	--
Ohio	--	--	--	--	--	--	--
Wisconsin	2.36	5.24	-55.0%	2.36	5.24	--	--
West North Central	--	--	--	--	--	--	--
Iowa	--	--	--	--	--	--	--
Kansas	--	--	--	--	--	--	--
Minnesota	--	--	--	--	--	--	--
Missouri	--	--	--	--	--	--	--
Nebraska	--	--	--	--	--	--	--
North Dakota	--	--	--	--	--	--	--
South Dakota	--	--	--	--	--	--	--
South Atlantic	3.67	5.47	-33.0%	3.67	5.47	--	--
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	3.67	5.47	-33.0%	3.67	5.47	--	--
Georgia	--	--	--	--	--	--	--
Maryland	--	--	--	--	--	--	--
North Carolina	--	--	--	--	--	--	--
South Carolina	--	--	--	--	--	--	--
Virginia	--	--	--	--	--	--	--
West Virginia	--	--	--	--	--	--	--
East South Central	--	--	--	--	--	--	--
Alabama	--	--	--	--	--	--	--
Kentucky	--	--	--	--	--	--	--
Mississippi	--	--	--	--	--	--	--
Tennessee	--	--	--	--	--	--	--
West South Central	3.27	4.74	-31.0%	3.27	4.74	--	--
Arkansas	--	--	--	--	--	--	--
Louisiana	3.27	4.74	-31.0%	3.27	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	2.98	4.34	-31.0%	2.98	4.34	--	--

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

Petroleum Coke includes petroleum coke-derived synthesis gas.

See the Technical Notes for fuel conversion factors.

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

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

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2024	July 2023	Percentage Change	July 2024	July 2023	July 2024	July 2023
New England	W	W	W	--	16.82	W	W
Connecticut	2.22	3.24	-31.0%	--	--	2.22	3.24
Maine	W	W	W	--	--	W	W
Massachusetts	2.35	4.61	-49.0%	--	16.82	2.35	4.56
New Hampshire	W	W	W	--	--	W	W
Rhode Island	W	W	W	--	--	W	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	1.85	1.98	-6.6%	2.31	2.44	1.80	1.93
New Jersey	1.65	1.78	-7.3%	--	--	1.65	1.78
New York	2.17	2.43	-11.0%	2.31	2.44	2.10	2.43
Pennsylvania	1.74	1.77	-1.7%	--	--	1.74	1.77
East North Central	2.11	2.52	-16.0%	2.38	2.97	1.91	2.28
Illinois	1.84	2.43	-24.0%	2.07	2.46	1.80	2.42
Indiana	2.39	W	W	2.84	2.88	1.88	W
Michigan	2.05	2.57	-20.0%	2.18	2.80	1.85	2.39
Ohio	2.00	2.07	-3.4%	2.10	2.13	1.99	2.06
Wisconsin	2.47	W	W	2.47	3.66	--	W
West North Central	W	W	W	2.48	2.98	W	W
Iowa	2.62	3.17	-17.0%	2.62	3.17	--	--
Kansas	2.53	2.88	-12.0%	2.53	2.88	--	--
Minnesota	W	W	W	2.58	3.16	W	W
Missouri	W	W	W	2.24	2.62	W	W
Nebraska	2.49	2.89	-14.0%	2.49	2.89	--	--
North Dakota	2.61	3.37	-23.0%	2.61	3.37	--	--
South Dakota	2.12	2.66	-20.0%	2.12	2.66	--	--
South Atlantic	3.35	3.49	-4.0%	3.49	3.60	2.39	2.66
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.75	3.72	W	W
Georgia	W	W	W	2.79	3.05	W	W
Maryland	W	W	W	2.18	2.00	W	W
North Carolina	W	W	W	4.02	4.39	W	W
South Carolina	3.27	3.83	-15.0%	3.27	3.83	--	--
Virginia	2.35	2.49	-5.6%	2.49	2.71	1.98	1.85
West Virginia	W	W	W	1.83	1.95	W	W
East South Central	2.51	2.86	-12.0%	2.50	2.84	2.57	2.96
Alabama	W	W	W	2.83	3.16	W	W
Kentucky	W	W	W	2.63	3.05	W	W
Mississippi	W	W	W	2.29	2.70	W	W
Tennessee	2.45	2.53	-3.2%	2.45	2.53	--	--
West South Central	2.10	2.64	-20.0%	2.15	2.70	2.05	2.59
Arkansas	W	W	W	2.05	2.53	W	W
Louisiana	W	W	W	2.41	2.84	W	W
Oklahoma	W	W	W	2.39	2.65	W	W
Texas	1.99	2.61	-24.0%	1.81	2.68	2.05	2.59
Mountain	2.35	3.48	-32.0%	2.34	3.44	2.42	4.10
Arizona	W	W	W	2.37	3.56	W	W
Colorado	W	W	W	2.40	3.01	W	W
Idaho	2.14	3.62	-41.0%	2.14	3.62	--	--
Montana	1.10	2.12	-48.0%	1.10	2.12	--	--
Nevada	2.73	3.89	-30.0%	2.73	3.89	--	--
New Mexico	0.43	2.37	-82.0%	0.43	2.37	--	--
Utah	2.85	3.56	-20.0%	2.85	3.56	--	--
Wyoming	W	W	W	2.47	3.07	W	W
Pacific Contiguous	3.22	4.79	-33.0%	3.47	4.74	2.96	4.84
California	3.58	5.31	-33.0%	4.06	5.48	3.12	5.18
Oregon	W	W	W	1.68	3.06	W	W
Washington	W	W	W	2.86	3.63	W	W
Pacific Noncontiguous	8.16	8.28	-1.4%	8.16	8.28	--	--
Alaska	8.16	8.28	-1.4%	8.16	8.28	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.51	2.98	-16.0%	2.81	3.27	2.07	2.59

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

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

W = Withheld to avoid disclosure of individual company data.

Notes:

See Glossary for definitions. Values are preliminary.

See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

Census Division and State	Electric Power Sector			Electric Utilities		Independent Power Producers	
	July 2024 YTD	July 2023 YTD	Percentage Change	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
New England	W	W	W	--	16.82	W	W
Connecticut	W	4.40	W	--	--	W	4.40
Maine	W	W	W	--	--	W	W
Massachusetts	6.40	9.86	-35.0%	--	16.82	6.40	9.86
New Hampshire	W	W	W	--	--	W	W
Rhode Island	W	W	W	--	--	W	W
Vermont	--	--	--	--	--	--	--
Middle Atlantic	2.28	2.57	-11.0%	2.68	3.67	2.24	2.47
New Jersey	2.43	2.26	7.5%	--	--	2.43	2.26
New York	2.77	3.36	-18.0%	2.68	3.67	2.81	3.23
Pennsylvania	2.00	2.29	-13.0%	--	--	2.00	2.29
East North Central	2.37	2.75	-14.0%	2.62	3.33	2.22	2.42
Illinois	W	W	W	1.95	2.60	W	W
Indiana	2.52	2.93	-14.0%	2.86	3.13	2.18	2.72
Michigan	2.29	2.74	-16.0%	2.46	3.03	2.17	2.57
Ohio	2.19	2.26	-3.1%	2.41	2.64	2.16	2.21
Wisconsin	W	W	W	2.75	4.10	W	W
West North Central	W	W	W	2.68	3.22	W	W
Iowa	2.42	2.92	-17.0%	2.42	2.92	--	--
Kansas	2.74	3.08	-11.0%	2.74	3.08	--	--
Minnesota	W	W	W	2.94	4.29	W	W
Missouri	W	W	W	2.64	2.84	W	W
Nebraska	3.56	2.82	26.0%	3.56	2.82	--	--
North Dakota	3.04	3.81	-20.0%	3.04	3.81	--	--
South Dakota	2.34	2.57	-8.9%	2.34	2.57	--	--
South Atlantic	3.60	3.95	-8.9%	3.73	4.12	2.71	2.73
Delaware	--	--	--	--	--	--	--
District of Columbia	--	--	--	--	--	--	--
Florida	W	W	W	3.63	4.01	W	W
Georgia	W	W	W	3.02	3.03	W	W
Maryland	W	W	W	2.92	2.56	W	W
North Carolina	W	W	W	5.10	5.78	W	W
South Carolina	3.80	4.04	-5.9%	3.80	4.04	--	--
Virginia	2.94	3.63	-19.0%	3.23	4.10	2.15	2.38
West Virginia	W	W	W	2.89	2.05	W	W
East South Central	2.76	2.92	-5.5%	2.74	2.98	2.88	2.75
Alabama	W	W	W	2.83	3.23	W	W
Kentucky	W	W	W	3.24	3.66	W	W
Mississippi	W	W	W	2.56	2.75	W	W
Tennessee	2.68	2.88	-6.9%	2.68	2.88	--	--
West South Central	2.32	2.59	-10.0%	2.46	2.76	2.19	2.43
Arkansas	W	W	W	2.61	2.67	W	W
Louisiana	W	W	W	2.63	2.76	W	W
Oklahoma	W	W	W	2.73	3.04	W	W
Texas	2.16	2.50	-14.0%	2.10	2.64	2.19	2.45
Mountain	2.56	6.27	-59.0%	2.55	6.38	2.70	5.25
Arizona	2.34	5.02	-53.0%	2.29	4.85	2.61	5.76
Colorado	W	W	W	2.71	4.24	W	W
Idaho	3.12	9.39	-67.0%	3.12	9.39	--	--
Montana	1.74	2.45	-29.0%	1.74	2.45	--	--
Nevada	2.99	9.46	-68.0%	2.99	9.46	--	--
New Mexico	1.16	2.78	-58.0%	1.16	2.78	--	--
Utah	3.35	10.55	-68.0%	3.35	10.55	--	--
Wyoming	W	W	W	2.54	9.51	W	W
Pacific Contiguous	3.63	8.48	-57.0%	3.82	9.56	3.41	7.36
California	4.04	9.43	-57.0%	4.35	10.90	3.72	8.16
Oregon	W	W	W	2.44	7.08	W	W
Washington	W	W	W	3.62	8.12	W	W
Pacific Noncontiguous	8.23	8.02	2.6%	8.23	8.02	--	--
Alaska	8.23	8.02	2.6%	8.23	8.02	--	--
Hawaii	--	--	--	--	--	--	--
U.S. Total	2.82	3.64	-23.0%	3.08	4.13	2.46	3.00

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

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

W = Withheld to avoid disclosure of individual company data.

Notes:

See Glossary for definitions. Values are preliminary.

See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

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

Table 4.14. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Total (All Sectors) by State, July 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	3	0.97	4.8	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	3	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	188	2.74	8.4	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	188	2.74	8.4	0	--	--	0	--	--
East North Central	3,739	3.16	11.2	3,641	0.25	4.6	0	--	--
Illinois	750	3.40	22.1	1,183	0.24	4.6	0	--	--
Indiana	1,716	2.95	9.3	45	0.24	4.5	0	--	--
Michigan	130	2.36	7.9	1,536	0.26	4.6	0	--	--
Ohio	1,144	3.42	8.9	0	--	--	0	--	--
Wisconsin	0	--	--	876	0.23	4.7	0	--	--
West North Central	49	3.38	8.4	5,057	0.26	4.9	1,956	0.75	10.0
Iowa	33	3.65	8.5	682	0.29	4.9	0	--	--
Kansas	0	--	--	900	0.25	5.0	0	--	--
Minnesota	0	--	--	510	0.23	4.7	0	--	--
Missouri	16	2.85	8.3	2,092	0.24	4.8	0	--	--
Nebraska	0	--	--	795	0.28	5.1	0	--	--
North Dakota	0	--	--	0	--	--	1,956	0.75	10.0
South Dakota	0	--	--	78	0.33	5.2	0	--	--
South Atlantic	3,590	2.56	10.2	430	0.33	5.2	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	358	2.72	9.4	0	--	--	0	--	--
Georgia	337	2.56	9.2	430	0.33	5.2	0	--	--
Maryland	59	2.53	8.1	0	--	--	0	--	--
North Carolina	637	1.52	10.4	0	--	--	0	--	--
South Carolina	524	2.01	9.2	0	--	--	0	--	--
Virginia	126	0.84	23.0	0	--	--	0	--	--
West Virginia	1,549	3.23	10.0	0	--	--	0	--	--
East South Central	1,914	2.93	9.8	1,508	0.24	4.8	174	0.70	13.9
Alabama	64	1.24	13.8	836	0.25	4.8	0	--	--
Kentucky	1,611	3.05	9.7	490	0.22	4.6	0	--	--
Mississippi	0	--	--	79	0.21	4.5	174	0.70	13.9
Tennessee	239	2.57	8.8	103	0.24	4.8	0	--	--
West South Central	31	2.63	8.9	4,088	0.30	5.1	1,078	1.12	17.5
Arkansas	4	0.69	12.3	720	0.24	4.7	0	--	--
Louisiana	27	2.93	8.4	251	0.25	4.7	0	--	--
Oklahoma	0	--	--	80	0.30	5.3	0	--	--
Texas	0	--	--	3,037	0.31	5.3	1,078	1.12	17.5
Mountain	1,344	0.71	14.4	3,322	0.44	7.3	0	--	--
Arizona	0	--	--	503	0.46	9.1	0	--	--
Colorado	40	0.43	13.0	719	0.32	6.3	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	479	0.65	9.1	0	--	--
Nevada	54	0.40	8.4	95	0.30	4.9	0	--	--
New Mexico	523	0.90	20.0	0	--	--	0	--	--
Utah	727	0.64	11.6	36	0.23	4.6	0	--	--
Wyoming	0	--	--	1,490	0.45	6.9	0	--	--
Pacific Contiguous	46	0.45	7.3	167	0.39	8.6	0	--	--
California	46	0.45	7.3	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	167	0.39	8.6	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	28	0.15	7.6
Alaska	0	--	--	0	--	--	28	0.15	7.6
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	10,904	2.62	10.8	18,213	0.30	5.4	3,236	0.87	12.7

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

## Notes:

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

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

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



Table 4.15. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Electric Utilities by State, July 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	1,923	2.89	9.4	2,755	0.25	4.6	0	--	--
Illinois	70	2.57	11.1	298	0.21	4.7	0	--	--
Indiana	1,560	2.93	9.4	45	0.24	4.5	0	--	--
Michigan	130	2.36	7.9	1,536	0.26	4.6	0	--	--
Ohio	163	3.15	9.2	0	--	--	0	--	--
Wisconsin	0	--	--	876	0.23	4.7	0	--	--
West North Central	16	2.85	8.3	4,846	0.25	4.9	1,956	0.75	10.0
Iowa	0	--	--	519	0.27	4.9	0	--	--
Kansas	0	--	--	900	0.25	5.0	0	--	--
Minnesota	0	--	--	510	0.23	4.7	0	--	--
Missouri	16	2.85	8.3	2,092	0.24	4.8	0	--	--
Nebraska	0	--	--	747	0.29	5.2	0	--	--
North Dakota	0	--	--	0	--	--	1,956	0.75	10.0
South Dakota	0	--	--	78	0.33	5.2	0	--	--
South Atlantic	3,276	2.52	10.3	430	0.33	5.2	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	348	2.78	9.5	0	--	--	0	--	--
Georgia	326	2.63	9.3	430	0.33	5.2	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	637	1.52	10.4	0	--	--	0	--	--
South Carolina	524	2.01	9.2	0	--	--	0	--	--
Virginia	111	0.82	25.8	0	--	--	0	--	--
West Virginia	1,331	3.19	10.2	0	--	--	0	--	--
East South Central	1,873	2.97	9.8	1,508	0.24	4.8	0	--	--
Alabama	64	1.24	13.8	836	0.25	4.8	0	--	--
Kentucky	1,611	3.05	9.7	490	0.22	4.6	0	--	--
Mississippi	0	--	--	79	0.21	4.5	0	--	--
Tennessee	198	2.93	9.1	103	0.24	4.8	0	--	--
West South Central	27	2.93	8.4	1,891	0.27	4.9	162	2.43	31.3
Arkansas	0	--	--	622	0.24	4.8	0	--	--
Louisiana	27	2.93	8.4	109	0.21	4.5	0	--	--
Oklahoma	0	--	--	80	0.30	5.3	0	--	--
Texas	0	--	--	1,081	0.29	5.0	162	2.43	31.3
Mountain	1,344	0.71	14.4	2,768	0.41	7.1	0	--	--
Arizona	0	--	--	503	0.46	9.1	0	--	--
Colorado	40	0.43	13.0	719	0.32	6.3	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	0	--	--	0	--	--
Nevada	54	0.40	8.4	21	0.47	2.9	0	--	--
New Mexico	523	0.90	20.0	0	--	--	0	--	--
Utah	727	0.64	11.6	36	0.23	4.6	0	--	--
Wyoming	0	--	--	1,489	0.45	6.9	0	--	--
Pacific Contiguous	0	--	--	0	--	--	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	28	0.15	7.6
Alaska	0	--	--	0	--	--	28	0.15	7.6
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	8,459	2.45	10.5	14,197	0.29	5.3	2,146	0.84	11.2

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

Notes:  
 Bituminous coal includes anthracite coal and coal-derived synthesis gas.  
 See Glossary for definitions. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

Table 4.16. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Independent Power Producers by State, July 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	3	0.97	4.8	0	--	--	0	--	--
Connecticut	0	--	--	0	--	--	0	--	--
Maine	3	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	178	2.80	8.4	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	178	2.80	8.4	0	--	--	0	--	--
East North Central	1,750	3.44	13.4	832	0.23	4.6	0	--	--
Illinois	614	3.48	25.4	832	0.23	4.6	0	--	--
Indiana	156	3.16	8.0	0	--	--	0	--	--
Michigan	0	--	--	0	--	--	0	--	--
Ohio	981	3.47	8.8	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	277	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	59	2.53	8.1	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	0	--	--	0	--	--	0	--	--
West Virginia	218	3.50	8.9	0	--	--	0	--	--
East South Central	0	--	--	0	--	--	174	0.70	13.9
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	174	0.70	13.9
Tennessee	0	--	--	0	--	--	0	--	--
West South Central	0	--	--	2,197	0.32	5.4	915	0.95	15.7
Arkansas	0	--	--	98	0.27	4.7	0	--	--
Louisiana	0	--	--	142	0.28	4.9	0	--	--
Oklahoma	0	--	--	0	--	--	0	--	--
Texas	0	--	--	1,957	0.33	5.5	915	0.95	15.7
Mountain	0	--	--	554	0.59	8.6	0	--	--
Arizona	0	--	--	0	--	--	0	--	--
Colorado	0	--	--	0	--	--	0	--	--
Idaho	0	--	--	0	--	--	0	--	--
Montana	0	--	--	479	0.65	9.1	0	--	--
Nevada	0	--	--	74	0.24	5.5	0	--	--
New Mexico	0	--	--	0	--	--	0	--	--
Utah	0	--	--	0	--	--	0	--	--
Wyoming	0	--	--	1	0.49	7.4	0	--	--
Pacific Contiguous	0	--	--	167	0.39	8.6	0	--	--
California	0	--	--	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	167	0.39	8.6	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	2,208	3.36	12.3	3,750	0.34	5.8	1,090	0.92	15.5

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

Notes:  
 Bituminous coal includes anthracite coal and coal-derived synthesis gas.  
 See Glossary for definitions. Values for 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

**Table 4.17. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Commercial Sector by State, July 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 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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

**Table 4.18. Receipts and Quality of Coal by Rank Delivered for Electricity Generation: Industrial Sector by State, July 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	10	1.75	7.7	0	--	--	0	--	--
New Jersey	0	--	--	0	--	--	0	--	--
New York	0	--	--	0	--	--	0	--	--
Pennsylvania	10	1.75	7.7	0	--	--	0	--	--
East North Central	66	3.65	8.5	54	0.57	5.4	0	--	--
Illinois	66	3.65	8.5	54	0.57	5.4	0	--	--
Indiana	0	--	--	0	--	--	0	--	--
Michigan	0	--	--	0	--	--	0	--	--
Ohio	0	--	--	0	--	--	0	--	--
Wisconsin	0	--	--	0	--	--	0	--	--
West North Central	33	3.65	8.5	211	0.32	4.7	0	--	--
Iowa	33	3.65	8.5	164	0.36	4.8	0	--	--
Kansas	0	--	--	0	--	--	0	--	--
Minnesota	0	--	--	0	--	--	0	--	--
Missouri	0	--	--	0	--	--	0	--	--
Nebraska	0	--	--	48	0.20	4.4	0	--	--
North Dakota	0	--	--	0	--	--	0	--	--
South Dakota	0	--	--	0	--	--	0	--	--
South Atlantic	37	0.84	8.3	0	--	--	0	--	--
Delaware	0	--	--	0	--	--	0	--	--
District of Columbia	0	--	--	0	--	--	0	--	--
Florida	10	0.78	7.6	0	--	--	0	--	--
Georgia	12	0.75	8.7	0	--	--	0	--	--
Maryland	0	--	--	0	--	--	0	--	--
North Carolina	0	--	--	0	--	--	0	--	--
South Carolina	0	--	--	0	--	--	0	--	--
Virginia	15	0.94	8.4	0	--	--	0	--	--
West Virginia	0	--	--	0	--	--	0	--	--
East South Central	41	0.97	7.8	0	--	--	0	--	--
Alabama	0	--	--	0	--	--	0	--	--
Kentucky	0	--	--	0	--	--	0	--	--
Mississippi	0	--	--	0	--	--	0	--	--
Tennessee	41	0.97	7.8	0	--	--	0	--	--
West South Central	4	0.69	12.3	0	--	--	0	--	--
Arkansas	4	0.69	12.3	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	46	0.45	7.3	0	--	--	0	--	--
California	46	0.45	7.3	0	--	--	0	--	--
Oregon	0	--	--	0	--	--	0	--	--
Washington	0	--	--	0	--	--	0	--	--
Pacific Noncontiguous	0	--	--	0	--	--	0	--	--
Alaska	0	--	--	0	--	--	0	--	--
Hawaii	0	--	--	0	--	--	0	--	--
U.S. Total	238	1.92	8.1	265	0.37	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 2023 and 2024 are preliminary. See Technical Notes for a discussion of the sample design for the Form EIA-923.

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



## Chapter 5

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

**Table 5.1. Sales of Electricity to Ultimate Customers:  
Total by End-Use Sector, 2014 - July 2024 (Thousand Megawatthours)**

Period	Residential	Commercial	Industrial	Transportation	All Sectors
<b>Annual Totals</b>					
2014	1,407,208	1,352,158	997,576	7,758	3,764,700
2015	1,404,096	1,360,752	986,508	7,637	3,758,992
2016	1,411,058	1,367,191	976,715	7,497	3,762,462
2017	1,378,648	1,352,888	984,298	7,523	3,723,356
2018	1,469,093	1,381,755	1,000,673	7,665	3,859,185
2019	1,440,289	1,360,877	1,002,353	7,632	3,811,150
2020	1,464,605	1,287,440	959,082	6,548	3,717,674
2021	1,470,487	1,328,439	1,000,613	6,334	3,805,874
2022	1,509,233	1,390,873	1,020,464	6,599	3,927,169
2023	1,454,667	1,374,922	1,024,949	6,804	3,861,342
<b>Year 2022</b>					
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
<b>Year 2023</b>					
January	132,059	110,493	78,965	569	322,084
February	112,543	101,434	76,054	550	290,582
March	110,792	110,071	84,426	567	305,856
April	96,542	101,556	81,765	511	280,373
May	100,479	110,404	86,394	518	297,795
June	121,568	117,727	88,009	568	327,872
July	160,085	133,161	92,565	621	386,432
August	162,031	135,067	94,226	577	391,900
Sept	133,320	123,663	88,495	650	346,129
October	103,767	115,379	88,164	565	307,874
November	102,428	107,051	83,460	549	293,487
December	119,052	108,918	82,427	562	310,959
<b>Year 2024</b>					
January	142,839	114,843	82,723	606	341,010
February	117,716	106,394	77,915	518	302,543
March	103,974	108,266	82,428	611	295,280
April	96,236	105,933	81,058	535	283,763
May	109,076	115,422	86,699	596	311,793
June	139,206	125,515	86,809	569	352,098
July	165,796	136,898	91,160	641	394,494
<b>Year to Date</b>					
2022	885,374	798,363	592,201	3,831	2,279,769
2023	834,068	784,845	588,178	3,902	2,210,993
2024	874,842	813,270	588,792	4,075	2,280,981
<b>Rolling 12 Months Ending in July</b>					
2023	1,457,927	1,377,355	1,016,441	6,670	3,858,393
2024	1,495,441	1,403,348	1,025,564	6,978	3,931,330

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.

Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data.

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

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

Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;

Form EIA-861, Annual Electric Power Industry Report; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).

**Table 5.2. Revenue from Sales of Electricity to Ultimate Customers:  
Total by End-Use Sector, 2014 - July 2024 (Million Dollars)**

Period	Residential	Commercial	Industrial	Transportation	All Sectors
<b>Annual Totals</b>					
2014	176,178	145,253	70,855	810	393,096
2015	177,624	144,781	68,166	771	391,341
2016	177,077	142,643	66,068	722	386,509
2017	177,661	144,242	67,691	728	390,322
2018	189,033	147,425	69,218	744	406,420
2019	187,436	145,280	68,285	737	401,738
2020	192,663	136,372	63,956	648	393,639
2021	200,834	149,008	71,835	646	422,323
2022	226,990	172,600	84,895	765	485,249
2023	232,463	175,231	82,566	864	491,124
<b>Year 2022</b>					
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
<b>Year 2023</b>					
January	20,434	14,088	6,572	70	41,164
February	17,983	12,878	6,158	71	37,090
March	17,627	13,734	6,576	69	38,006
April	15,545	12,400	6,132	61	34,138
May	16,225	13,605	6,587	64	36,481
June	19,582	15,035	7,113	70	41,800
July	25,431	17,403	7,705	79	50,618
August	25,806	17,889	8,361	76	52,132
Sept	21,717	16,362	7,468	93	45,640
October	16,808	14,833	7,058	72	38,771
November	16,579	13,511	6,522	69	36,681
December	18,726	13,494	6,314	69	38,603
<b>Year 2024</b>					
January	22,070	14,567	6,700	77	43,414
February	18,951	13,631	6,084	68	38,735
March	17,347	13,810	6,373	73	37,602
April	16,240	13,415	6,336	68	36,059
May	17,917	14,410	6,889	73	39,290
June	22,845	16,437	7,329	73	46,684
July	27,550	18,595	8,035	84	54,264
<b>Year to Date</b>					
2022	129,066	96,316	47,522	432	273,334
2023	132,828	99,142	46,842	485	279,297
2024	142,920	104,865	47,746	516	296,046
<b>Rolling 12 Months Ending in July</b>					
2023	230,752	175,426	84,215	818	491,212
2024	242,555	180,954	83,469	895	507,873

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.

Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data.

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

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

Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;

Form EIA-861, Annual Electric Power Industry Report; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).

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

Period	Residential	Commercial	Industrial	Transportation	All Sectors
<b>Annual Totals</b>					
2014	12.52	10.74	7.10	10.45	10.44
2015	12.65	10.64	6.91	10.09	10.41
2016	12.55	10.43	6.76	9.63	10.27
2017	12.89	10.66	6.88	9.68	10.48
2018	12.87	10.67	6.92	9.70	10.53
2019	13.01	10.68	6.81	9.66	10.54
2020	13.15	10.59	6.67	9.90	10.59
2021	13.66	11.22	7.18	10.20	11.10
2022	15.04	12.41	8.32	11.59	12.36
2023	15.98	12.74	8.06	12.70	12.72
<b>Year 2022</b>					
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
<b>Year 2023</b>					
January	15.47	12.75	8.32	12.36	12.78
February	15.98	12.70	8.10	12.99	12.76
March	15.91	12.48	7.79	12.18	12.43
April	16.10	12.21	7.50	11.96	12.18
May	16.15	12.32	7.62	12.36	12.25
June	16.11	12.77	8.08	12.36	12.75
July	15.89	13.07	8.32	12.69	13.10
August	15.93	13.24	8.87	13.18	13.30
Sept	16.29	13.23	8.44	14.27	13.19
October	16.20	12.86	8.01	12.77	12.59
November	16.19	12.62	7.81	12.56	12.50
December	15.73	12.39	7.66	12.33	12.41
<b>Year 2024</b>					
January	15.45	12.68	8.10	12.68	12.73
February	16.10	12.81	7.81	13.20	12.80
March	16.68	12.76	7.73	11.91	12.73
April	16.88	12.66	7.82	12.64	12.71
May	16.43	12.48	7.95	12.29	12.60
June	16.41	13.10	8.44	12.76	13.26
July	16.62	13.58	8.81	13.15	13.76
<b>Year to Date</b>					
2022	14.58	12.06	8.02	11.26	11.99
2023	15.93	12.63	7.96	12.42	12.63
2024	16.34	12.89	8.11	12.65	12.98
<b>Rolling 12 Months Ending in July</b>					
2023	15.83	12.74	8.29	12.27	12.73
2024	16.22	12.89	8.14	12.82	12.92

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.

Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data.

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

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

Form EIA-826, Monthly Electric Sales and Revenue Report with State Distributions Report;

Form EIA-861, Annual Electric Power Industry Report; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).



**Table 5.4.A. Sales of Electricity to Ultimate Customers by End-Use Sector, by State, July 2024 and 2023 (Thousand Megawatthours)**

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
New England	5,134	4,989	4,551	4,814	1,303	1,344	44	46	11,032	11,193
Connecticut	1,507	1,517	1,174	1,208	232	247	17	16	2,930	2,988
Maine	415	412	385	337	194	177	0	0	994	926
Massachusetts	2,062	2,009	2,025	2,331	497	575	24	28	4,609	4,943
New Hampshire	553	477	384	394	206	175	0	0	1,142	1,046
Rhode Island	381	370	394	366	61	59	2	2	839	797
Vermont	216	204	188	179	113	111	0	0	517	493
Middle Atlantic	16,327	14,873	14,449	13,652	6,312	6,401	329	313	37,417	35,239
New Jersey	4,281	3,969	3,570	3,513	540	557	37	27	8,428	8,066
New York	6,040	5,576	6,981	6,774	1,394	1,361	249	241	14,663	13,951
Pennsylvania	6,006	5,328	3,899	3,365	4,378	4,482	43	46	14,326	13,221
East North Central	20,088	19,393	17,109	16,667	16,269	16,470	41	43	53,506	52,573
Illinois	5,095	5,018	4,360	4,302	3,579	3,693	36	39	13,071	13,052
Indiana	3,467	3,337	2,181	2,152	3,740	3,780	2	1	9,389	9,270
Michigan	3,654	3,532	3,627	3,505	2,470	2,425	0	0	9,751	9,462
Ohio	5,591	5,251	4,727	4,560	4,426	4,523	2	2	14,747	14,336
Wisconsin	2,281	2,255	2,213	2,149	2,054	2,049	0	0	6,548	6,453
West North Central	11,125	10,841	10,193	9,621	8,960	9,087	3	3	30,280	29,551
Iowa	1,463	1,435	1,140	1,092	2,333	2,336	0	0	4,935	4,862
Kansas	1,649	1,687	1,596	1,575	1,041	1,014	0	0	4,286	4,275
Minnesota	2,246	2,113	2,075	2,011	1,769	1,825	1	1	6,090	5,951
Missouri	3,824	3,825	2,826	2,830	1,187	1,155	2	2	7,839	7,811
Nebraska	1,105	1,018	1,143	884	1,187	1,266	0	0	3,436	3,168
North Dakota	384	349	964	799	1,149	1,197	0	0	2,497	2,345
South Dakota	454	414	449	429	295	295	0	0	1,198	1,139
South Atlantic	42,814	41,431	33,474	32,964	12,284	12,291	137	113	88,708	86,800
Delaware	596	526	421	416	176	187	0	0	1,194	1,130
District of Columbia	296	250	706	695	16	16	30	32	1,048	993
Florida	15,172	14,862	9,810	9,650	1,527	1,515	7	6	26,515	26,033
Georgia	6,983	7,046	4,937	4,811	2,960	2,922	14	12	14,894	14,790
Maryland	3,103	2,888	2,766	2,631	331	310	33	38	6,233	5,867
North Carolina	6,820	6,713	4,900	4,964	2,311	2,437	1	1	14,032	14,115
South Carolina	3,916	3,745	2,688	2,572	2,304	2,200	0	0	8,907	8,516
Virginia	4,877	4,470	6,555	6,546	1,409	1,483	52	24	12,894	12,524
West Virginia	1,051	932	690	679	1,250	1,221	0	0	2,990	2,832
East South Central	13,499	12,651	9,131	8,912	8,485	8,292	0	0	31,114	29,856
Alabama	3,637	3,624	2,316	2,275	2,791	2,711	0	0	8,743	8,609
Kentucky	2,880	2,676	1,891	1,836	2,295	2,231	0	0	7,067	6,744
Mississippi	2,156	2,145	1,498	1,458	1,416	1,439	0	0	5,069	5,043
Tennessee	4,826	4,207	3,427	3,342	1,983	1,911	0	0	10,235	9,460
West South Central	27,432	28,934	21,437	21,043	20,816	22,766	3	16	69,688	72,759
Arkansas	2,082	2,006	1,204	1,185	1,778	1,661	0	0	5,064	4,852
Louisiana	3,619	3,774	2,388	2,396	3,709	3,465	1	1	9,716	9,636
Oklahoma	2,894	2,935	2,562	2,296	2,005	1,983	0	0	7,461	7,214
Texas	18,837	20,218	15,283	15,166	13,325	15,657	2	15	47,446	51,057
Mountain	14,216	13,899	10,873	10,441	8,517	8,339	13	13	33,619	32,693
Arizona	5,749	5,787	3,818	3,587	1,298	1,299	1	1	10,866	10,673
Colorado	2,261	2,138	1,907	1,911	1,421	1,386	7	7	5,596	5,442
Idaho	947	904	656	631	1,322	1,310	0	0	2,924	2,845
Montana	464	422	452	421	445	418	0	0	1,362	1,261
Nevada	2,258	2,153	1,382	1,286	1,246	1,206	1	1	4,886	4,647
New Mexico	842	886	908	956	1,214	1,051	0	0	2,963	2,893
Utah	1,453	1,391	1,305	1,341	786	836	4	4	3,549	3,572
Wyoming	242	218	444	308	785	833	0	0	1,472	1,358
Pacific Contiguous	14,788	12,699	15,230	14,597	7,797	7,151	71	72	37,886	34,518
California	10,024	8,309	11,009	10,660	4,440	3,910	62	62	25,534	22,941
Oregon	1,747	1,686	1,622	1,532	1,532	1,483	2	2	4,904	4,702
Washington	3,017	2,704	2,599	2,405	1,825	1,758	7	8	7,449	6,875
Pacific Noncontiguous	374	376	452	449	418	426	0	0	1,244	1,250
Alaska	145	142	210	205	114	124	0	0	470	471
Hawaii	229	233	242	244	303	302	0	0	774	779
U.S. Total	165,796	160,085	136,898	133,161	91,160	92,565	641	621	394,494	386,432

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

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

Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.

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

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

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

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

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

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

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
New England	28,680	26,978	28,530	28,225	8,382	8,669	296	286	65,888	64,159
Connecticut	7,751	7,263	6,734	6,567	1,478	1,507	110	103	16,073	15,440
Maine	3,004	2,903	2,392	2,335	1,273	1,369	0	0	6,669	6,606
Massachusetts	11,928	11,134	13,729	13,766	3,291	3,554	171	168	29,119	28,622
New Hampshire	2,864	2,701	2,332	2,354	1,217	1,117	0	0	6,414	6,172
Rhode Island	1,811	1,708	2,202	2,101	373	372	15	14	4,402	4,196
Vermont	1,322	1,269	1,140	1,103	750	750	0	0	3,212	3,122
Middle Atlantic	85,198	75,685	85,093	81,818	41,669	41,422	2,141	1,955	214,101	200,880
New Jersey	18,152	16,438	21,247	20,563	3,602	3,528	265	139	43,266	40,667
New York	29,748	28,745	40,818	40,650	9,044	8,742	1,600	1,540	81,209	79,677
Pennsylvania	37,298	30,502	23,029	20,605	29,023	29,152	276	277	89,626	80,536
East North Central	110,771	105,705	104,161	100,962	108,962	107,060	298	276	324,192	314,004
Illinois	27,074	25,332	26,236	26,460	24,464	23,839	265	246	78,039	75,878
Indiana	19,765	18,627	13,303	13,117	24,696	23,915	9	8	57,774	55,666
Michigan	19,815	19,311	21,871	21,273	16,470	16,441	3	3	58,160	57,028
Ohio	31,135	29,240	29,102	26,636	29,828	29,365	19	19	90,085	85,260
Wisconsin	12,982	13,196	13,648	13,476	13,503	13,500	1	1	40,134	40,172
West North Central	64,064	64,363	62,164	60,025	59,196	58,673	24	24	185,448	183,085
Iowa	8,765	8,928	7,259	7,152	15,883	15,846	0	0	31,906	31,926
Kansas	8,289	8,012	9,342	9,202	6,640	6,600	0	0	24,272	23,814
Minnesota	13,391	14,003	12,939	13,061	11,666	11,802	9	11	38,005	38,877
Missouri	21,425	20,691	17,116	16,784	7,597	7,414	15	13	46,153	44,903
Nebraska	6,210	6,383	6,288	5,538	7,483	7,393	0	0	19,982	19,315
North Dakota	2,918	3,125	6,328	5,417	8,034	7,792	0	0	17,280	16,334
South Dakota	3,067	3,221	2,891	2,871	1,893	1,825	0	0	7,851	7,916
South Atlantic	226,385	212,354	198,626	190,017	81,282	81,023	737	661	507,030	484,054
Delaware	3,101	2,845	2,473	2,394	1,088	1,126	0	0	6,661	6,364
District of Columbia	1,438	1,353	4,153	4,017	109	99	184	171	5,883	5,639
Florida	78,109	76,324	57,381	56,277	10,157	9,966	42	42	145,688	142,608
Georgia	36,733	33,961	28,741	27,317	19,429	19,155	89	83	84,992	80,517
Maryland	16,528	15,170	16,122	15,365	2,012	1,976	249	241	34,911	32,753
North Carolina	37,003	33,932	29,185	27,911	15,225	15,607	7	7	81,421	77,457
South Carolina	19,572	17,820	15,287	14,310	14,723	14,802	0	0	49,583	46,931
Virginia	27,485	24,962	40,942	38,286	9,968	9,871	165	118	78,560	73,237
West Virginia	6,417	5,988	4,342	4,140	8,572	8,420	0	0	19,330	18,548
East South Central	73,036	67,328	53,675	51,334	56,163	55,407	0	0	182,874	174,069
Alabama	19,489	18,061	13,398	12,893	18,471	18,167	0	0	51,359	49,122
Kentucky	16,050	14,675	11,319	10,726	15,524	15,069	0	0	42,893	40,469
Mississippi	11,188	10,570	8,520	8,086	9,194	9,216	0	0	28,901	27,872
Tennessee	26,309	24,022	20,438	19,628	12,973	12,955	0	0	59,720	56,606
West South Central	136,236	132,879	123,411	119,793	132,596	138,797	12	105	392,255	391,574
Arkansas	11,113	10,545	6,804	6,646	11,277	10,705	0	0	29,194	27,896
Louisiana	17,936	17,548	13,619	13,467	24,178	23,396	6	6	55,739	54,416
Oklahoma	14,130	13,686	13,867	12,726	13,227	13,064	0	0	41,224	39,477
Texas	93,057	91,100	89,120	86,955	83,915	91,631	7	99	266,099	269,785
Mountain	65,438	63,684	62,354	59,153	51,815	49,726	94	95	179,701	172,657
Arizona	22,877	22,185	19,825	18,221	8,316	8,169	6	6	51,024	48,581
Colorado	12,120	11,639	11,970	11,821	8,969	8,856	52	54	33,111	32,370
Idaho	5,759	5,836	4,015	3,930	5,726	5,507	0	0	15,500	15,274
Montana	3,486	3,483	2,977	2,930	2,874	2,653	0	0	9,336	9,066
Nevada	8,428	7,966	7,432	7,193	7,489	7,058	4	4	23,354	22,221
New Mexico	4,249	4,237	5,391	5,316	7,676	6,840	0	0	17,316	16,392
Utah	6,693	6,495	7,998	7,601	5,063	4,907	31	32	19,786	19,035
Wyoming	1,825	1,842	2,745	2,141	5,703	5,736	0	0	10,274	9,719
Pacific Contiguous	82,331	82,376	92,177	90,450	45,967	44,654	473	499	220,948	217,978
California	47,200	46,400	64,775	63,496	24,248	23,333	409	424	136,632	133,653
Oregon	11,749	12,328	10,108	9,922	9,638	9,402	13	13	31,508	31,664
Washington	23,382	23,648	17,293	17,032	12,081	11,919	51	61	52,807	52,661
Pacific Noncontiguous	2,704	2,716	3,081	3,068	2,760	2,748	0	0	8,544	8,533
Alaska	1,228	1,204	1,526	1,499	815	806	0	0	3,569	3,508
Hawaii	1,476	1,512	1,555	1,569	1,945	1,943	0	0	4,976	5,024
U.S. Total	874,842	834,068	813,270	784,845	588,792	588,178	4,075	3,902	2,280,981	2,210,993

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

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

Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.

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

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

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

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

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

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

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
New England	1,374	1,345	914	885	216	215	5	5	2,510	2,451
Connecticut	422	404	235	219	40	39	3	3	701	665
Maine	94	114	65	60	26	22	0	0	185	197
Massachusetts	595	550	426	436	91	103	2	2	1,114	1,091
New Hampshire	120	140	73	78	33	27	0	0	225	244
Rhode Island	98	96	81	61	13	11	0	0	192	168
Vermont	46	42	35	32	13	12	0	0	93	86
Middle Atlantic	3,445	2,934	2,425	2,239	548	506	48	46	6,466	5,725
New Jersey	886	733	568	529	71	71	4	4	1,529	1,337
New York	1,511	1,245	1,432	1,338	135	96	40	38	3,117	2,717
Pennsylvania	1,048	956	426	372	342	339	4	5	1,820	1,671
East North Central	3,298	3,129	2,110	1,970	1,374	1,320	3	3	6,785	6,422
Illinois	782	749	531	490	337	304	3	3	1,654	1,545
Indiana	513	483	272	254	307	294	0	0	1,093	1,032
Michigan	719	682	518	467	208	201	0	0	1,444	1,350
Ohio	887	832	498	481	328	333	0	0	1,712	1,647
Wisconsin	397	382	290	278	195	188	0	0	883	848
West North Central	1,642	1,558	1,168	1,103	765	764	0	0	3,576	3,425
Iowa	218	216	132	132	193	202	0	0	544	549
Kansas	247	231	199	179	87	81	0	0	533	491
Minnesota	367	327	272	264	173	172	0	0	812	763
Missouri	563	559	338	335	107	104	0	0	1,008	998
Nebraska	136	127	105	87	98	99	0	0	339	312
North Dakota	50	44	73	62	81	82	0	0	204	188
South Dakota	62	55	49	45	25	24	0	0	136	124
South Atlantic	6,179	5,937	3,655	3,596	1,020	1,003	14	12	10,868	10,548
Delaware	92	79	51	47	15	15	0	0	159	142
District of Columbia	50	41	121	120	2	2	3	3	176	166
Florida	2,086	2,224	1,030	1,105	129	142	1	1	3,245	3,472
Georgia	1,062	1,011	610	563	262	241	2	1	1,936	1,816
Maryland	535	463	358	322	37	30	4	4	934	820
North Carolina	949	853	513	491	183	188	0	0	1,645	1,532
South Carolina	543	510	293	276	173	159	0	0	1,009	945
Virginia	702	625	602	598	123	137	5	3	1,431	1,362
West Virginia	159	132	79	74	97	89	0	0	334	294
East South Central	1,780	1,651	1,119	1,085	586	580	0	0	3,484	3,315
Alabama	543	523	312	300	206	207	0	0	1,060	1,030
Kentucky	359	331	214	206	154	148	0	0	727	685
Mississippi	281	279	178	178	98	100	0	0	557	557
Tennessee	596	518	415	401	128	125	0	0	1,139	1,044
West South Central	3,783	3,830	2,009	1,939	1,297	1,463	0	1	7,089	7,234
Arkansas	258	251	122	124	123	124	0	0	503	499
Louisiana	416	424	238	233	208	189	0	0	862	846
Oklahoma	375	366	241	231	125	137	0	0	741	733
Texas	2,734	2,790	1,409	1,352	840	1,013	0	1	4,983	5,156
Mountain	2,028	1,954	1,278	1,223	713	704	1	1	4,020	3,882
Arizona	858	817	499	456	117	111	0	0	1,475	1,385
Colorado	350	303	248	235	132	123	1	1	731	662
Idaho	116	107	64	59	112	107	0	0	291	273
Montana	62	55	55	52	36	35	0	0	154	142
Nevada	306	351	136	162	124	146	0	0	566	660
New Mexico	130	130	110	116	69	62	0	0	309	308
Utah	173	163	122	113	59	64	1	1	355	340
Wyoming	33	27	42	31	64	55	0	0	139	113
Pacific Contiguous	3,886	2,964	3,781	3,234	1,394	1,036	12	9	9,073	7,243
California	3,263	2,441	3,326	2,840	1,160	818	11	8	7,759	6,108
Oregon	259	221	183	156	117	106	0	0	560	483
Washington	364	302	271	238	118	112	1	1	754	652
Pacific Noncontiguous	135	129	136	130	122	115	0	0	393	373
Alaska	37	35	44	42	22	20	0	0	104	98
Hawaii	98	93	91	87	100	95	0	0	289	275
U.S. Total	27,550	25,431	18,595	17,403	8,035	7,705	84	79	54,264	50,618

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

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

Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.

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

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

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

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



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

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
New England	7,765	7,981	5,729	5,449	1,365	1,368	37	36	14,896	14,834
Connecticut	2,169	2,270	1,359	1,315	240	232	18	21	3,787	3,838
Maine	685	796	431	418	172	166	0	0	1,289	1,380
Massachusetts	3,448	3,370	2,830	2,679	594	637	16	12	6,888	6,699
New Hampshire	660	824	455	500	198	178	0	0	1,313	1,503
Rhode Island	517	460	441	341	74	71	3	2	1,036	874
Vermont	285	260	212	195	86	85	0	0	583	540
Middle Atlantic	17,155	14,756	13,248	12,378	3,439	3,293	292	281	34,134	30,708
New Jersey	3,458	2,894	3,103	2,907	432	424	29	19	7,022	6,245
New York	7,145	6,311	7,580	7,131	747	607	236	235	15,708	14,283
Pennsylvania	6,552	5,551	2,564	2,341	2,261	2,262	27	27	11,404	10,181
East North Central	18,209	17,231	12,728	12,118	8,831	8,654	25	20	39,794	38,023
Illinois	4,298	4,165	3,126	3,061	2,190	1,998	22	18	9,636	9,242
Indiana	2,888	2,842	1,676	1,680	1,987	2,031	1	1	6,552	6,554
Michigan	3,794	3,573	3,083	2,834	1,371	1,340	0	0	8,248	7,747
Ohio	4,998	4,453	3,118	2,842	2,128	2,138	1	1	10,245	9,433
Wisconsin	2,232	2,198	1,725	1,701	1,155	1,148	0	0	5,112	5,048
West North Central	8,558	8,303	6,468	6,297	4,584	4,541	3	3	19,612	19,145
Iowa	1,174	1,163	743	742	1,078	1,083	0	0	2,995	2,988
Kansas	1,170	1,103	1,053	1,038	535	549	0	0	2,758	2,690
Minnesota	2,034	2,013	1,582	1,615	1,076	1,084	1	1	4,694	4,714
Missouri	2,744	2,598	1,742	1,689	596	589	1	1	5,083	4,878
Nebraska	716	704	571	505	569	551	0	0	1,855	1,760
North Dakota	332	334	475	422	574	540	0	0	1,381	1,296
South Dakota	388	388	301	286	158	145	0	0	847	820
South Atlantic	32,972	30,756	21,832	21,070	6,301	6,189	74	68	61,179	58,083
Delaware	505	435	298	283	89	93	0	0	892	811
District of Columbia	248	215	709	677	12	11	18	17	987	920
Florida	11,151	11,600	6,385	6,700	886	967	5	5	18,427	19,272
Georgia	5,199	4,689	3,350	3,102	1,388	1,320	7	6	9,944	9,117
Maryland	2,905	2,448	2,062	1,999	209	194	29	27	5,204	4,668
North Carolina	5,263	4,387	3,085	2,689	1,187	1,108	1	1	9,536	8,185
South Carolina	2,769	2,515	1,618	1,531	1,008	1,006	0	0	5,394	5,053
Virginia	3,979	3,628	3,818	3,631	863	884	16	13	8,677	8,157
West Virginia	953	837	506	458	658	606	0	0	2,117	1,901
East South Central	9,735	8,860	6,629	6,314	3,799	3,792	0	0	20,162	18,966
Alabama	2,929	2,637	1,815	1,701	1,335	1,284	0	0	6,078	5,623
Kentucky	2,033	1,830	1,327	1,245	1,020	1,018	0	0	4,381	4,092
Mississippi	1,505	1,435	1,027	1,031	630	659	0	0	3,162	3,124
Tennessee	3,268	2,958	2,459	2,337	815	831	0	0	6,542	6,127
West South Central	18,666	17,933	11,253	10,909	8,003	8,693	1	8	37,922	37,543
Arkansas	1,351	1,281	697	689	723	730	0	0	2,771	2,700
Louisiana	2,061	2,045	1,397	1,427	1,384	1,426	1	1	4,842	4,899
Oklahoma	1,699	1,641	1,210	1,167	754	826	0	0	3,663	3,634
Texas	13,555	12,966	7,949	7,626	5,141	5,711	0	7	26,646	26,310
Mountain	9,209	8,632	6,895	6,448	4,001	3,868	10	10	20,115	18,958
Arizona	3,417	3,068	2,450	2,121	656	636	1	1	6,524	5,826
Colorado	1,799	1,648	1,414	1,366	797	756	5	5	4,015	3,776
Idaho	661	627	372	340	447	393	0	0	1,480	1,360
Montana	439	424	354	348	228	209	0	0	1,021	981
Nevada	1,307	1,353	788	853	653	734	1	1	2,749	2,941
New Mexico	612	588	584	576	440	406	0	0	1,637	1,569
Utah	754	720	676	637	350	344	4	4	1,784	1,705
Wyoming	220	205	257	206	430	389	0	0	906	800
Pacific Contiguous	19,702	17,444	19,136	17,221	6,574	5,590	74	60	45,486	40,315
California	15,259	13,332	16,155	14,492	5,089	4,170	67	52	36,570	32,045
Oregon	1,703	1,542	1,158	1,020	720	669	2	2	3,583	3,234
Washington	2,740	2,570	1,824	1,709	765	751	5	6	5,333	5,037
Pacific Noncontiguous	949	931	948	939	848	852	0	0	2,745	2,722
Alaska	300	283	325	310	159	151	0	0	785	744
Hawaii	648	649	623	629	689	701	0	0	1,960	1,978
U.S. Total	142,920	132,828	104,865	99,142	47,746	46,842	516	485	296,046	279,297

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

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

Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.

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

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

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

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

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



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

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
New England	26.77	26.97	20.09	18.38	16.56	16.01	12.51	11.59	22.75	21.89
Connecticut	28.02	26.63	20.05	18.14	17.26	15.71	16.50	19.79	23.91	22.26
Maine	22.59	27.79	16.88	17.79	13.32	12.61	--	--	18.57	21.25
Massachusetts	28.84	27.39	21.04	18.69	18.33	17.99	8.76	6.62	24.17	22.07
New Hampshire	21.71	29.26	18.92	19.74	15.96	15.44	--	--	19.74	23.36
Rhode Island	25.60	25.79	20.46	16.59	21.21	19.00	22.18	16.73	22.85	21.04
Vermont	21.25	20.44	18.40	17.74	11.43	11.11	--	--	18.07	17.37
Middle Atlantic	21.10	19.73	16.78	16.40	8.68	7.90	14.52	14.82	17.28	16.24
New Jersey	20.70	18.47	15.90	15.05	13.10	12.80	10.34	13.83	18.14	16.57
New York	25.01	22.33	20.51	19.75	9.72	7.02	15.87	15.83	21.26	19.47
Pennsylvania	17.45	17.94	10.92	11.05	7.81	7.56	10.32	10.04	12.71	12.64
East North Central	16.42	16.13	12.33	11.82	8.45	8.01	8.27	6.97	12.68	12.22
Illinois	15.35	14.93	12.19	11.39	9.42	8.22	8.10	6.84	12.65	11.84
Indiana	14.80	14.48	12.49	11.80	8.20	7.79	11.64	10.66	11.64	11.13
Michigan	19.66	19.32	14.27	13.32	8.42	8.27	14.38	14.05	14.81	14.27
Ohio	15.86	15.85	10.54	10.56	7.40	7.36	6.79	6.08	11.61	11.49
Wisconsin	17.43	16.94	13.12	12.95	9.49	9.19	18.62	16.50	13.48	13.15
West North Central	14.76	14.37	11.46	11.46	8.54	8.41	13.19	13.12	11.81	11.59
Iowa	14.92	15.07	11.62	12.06	8.29	8.63	--	--	11.02	11.30
Kansas	14.97	13.70	12.49	11.36	8.35	8.00	--	--	12.44	11.48
Minnesota	16.32	15.45	13.10	13.13	9.79	9.44	13.44	13.49	13.33	12.82
Missouri	14.73	14.63	11.95	11.83	9.02	8.99	13.08	12.86	12.86	12.78
Nebraska	12.27	12.43	9.18	9.79	8.28	7.81	--	--	9.86	9.85
North Dakota	12.90	12.57	7.61	7.78	7.09	6.86	--	--	8.19	8.02
South Dakota	13.68	13.23	10.86	10.44	8.60	8.19	--	--	11.37	10.87
South Atlantic	14.43	14.33	10.92	10.91	8.30	8.16	10.15	10.22	12.25	12.15
Delaware	15.49	15.10	12.15	11.40	8.65	8.05	--	--	13.30	12.57
District of Columbia	17.01	16.55	17.10	17.21	11.47	10.94	9.31	9.19	16.77	16.69
Florida	13.75	14.97	10.50	11.45	8.42	9.39	10.08	11.16	12.24	13.34
Georgia	15.21	14.35	12.36	11.71	8.86	8.25	11.50	8.39	13.00	12.28
Maryland	17.26	16.03	12.95	12.23	11.06	9.83	11.37	11.10	14.99	13.97
North Carolina	13.92	12.70	10.46	9.90	7.90	7.71	9.74	9.28	11.72	10.85
South Carolina	13.87	13.61	10.89	10.74	7.53	7.23	--	--	11.33	11.09
Virginia	14.38	13.97	9.18	9.13	8.72	9.25	9.50	10.91	11.10	10.88
West Virginia	15.14	14.10	11.39	10.83	7.73	7.27	--	--	11.18	10.38
East South Central	13.18	13.05	12.26	12.17	6.90	6.99	--	--	11.20	11.10
Alabama	14.94	14.43	13.45	13.20	7.36	7.63	--	--	12.13	11.96
Kentucky	12.47	12.37	11.34	11.20	6.69	6.64	--	--	10.29	10.15
Mississippi	13.03	13.02	11.88	12.18	6.95	6.93	--	--	10.99	11.04
Tennessee	12.35	12.31	12.12	12.01	6.46	6.54	--	--	11.13	11.04
West South Central	13.79	13.24	9.37	9.22	6.23	6.43	6.65	7.70	10.17	9.94
Arkansas	12.40	12.51	10.11	10.50	6.92	7.47	13.62	16.10	9.93	10.29
Louisiana	11.50	11.23	9.96	9.71	5.62	5.47	11.25	10.91	8.88	8.78
Oklahoma	12.95	12.46	9.40	10.04	6.25	6.89	--	--	9.93	10.16
Texas	14.51	13.80	9.22	8.91	6.31	6.47	3.80	7.48	10.50	10.10
Mountain	14.26	14.05	11.75	11.71	8.37	8.44	10.68	11.22	11.96	11.87
Arizona	14.92	14.12	13.08	12.73	9.03	8.56	12.36	11.37	13.57	12.97
Colorado	15.49	14.16	13.00	12.28	9.32	8.91	9.60	10.31	13.07	12.16
Idaho	12.23	11.82	9.71	9.32	8.44	8.20	--	--	9.95	9.60
Montana	13.43	13.10	12.25	12.36	8.13	8.32	--	--	11.31	11.27
Nevada	13.57	16.32	9.85	12.59	9.93	12.12	10.75	12.97	11.59	14.20
New Mexico	15.39	14.69	12.17	12.08	5.69	5.91	--	--	10.43	10.64
Utah	11.91	11.73	9.35	8.39	7.48	7.60	12.03	12.31	9.99	9.51
Wyoming	13.44	12.41	9.52	9.99	8.11	6.61	--	--	9.41	8.30
Pacific Contiguous	26.28	23.34	24.82	22.15	17.88	14.48	16.44	12.77	23.95	20.98
California	32.56	29.38	30.21	26.64	26.12	20.92	17.19	13.19	30.39	26.62
Oregon	14.85	13.12	11.31	10.19	7.64	7.12	12.57	11.31	11.43	10.27
Washington	12.06	11.16	10.44	9.88	6.44	6.38	11.20	10.07	10.12	9.49
Pacific Noncontiguous	36.05	34.27	30.05	28.87	29.30	27.03	--	--	31.60	29.87
Alaska	25.64	24.88	21.13	20.63	19.17	16.47	--	--	22.05	20.82
Hawaii	42.67	39.98	37.81	35.81	33.11	31.36	--	--	37.40	35.33
U.S. Total	16.62	15.89	13.58	13.07	8.81	8.32	13.15	12.69	13.76	13.10

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

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Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.

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

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

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

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

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

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

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD	July 2024 YTD	July 2023 YTD
New England	27.07	29.58	20.08	19.30	16.29	15.78	12.62	12.66	22.61	23.12
Connecticut	27.99	31.25	20.18	20.02	16.26	15.40	16.68	20.66	23.56	24.86
Maine	22.81	27.44	18.03	17.92	13.50	12.09	--	--	19.32	20.90
Massachusetts	28.91	30.27	20.61	19.46	18.04	17.92	9.26	7.41	23.65	23.40
New Hampshire	23.03	30.51	19.52	21.26	16.30	15.92	--	--	20.48	24.34
Rhode Island	28.58	26.93	20.04	16.23	19.97	19.10	20.76	16.84	23.55	20.84
Vermont	21.54	20.50	18.59	17.71	11.53	11.29	--	--	18.16	17.30
Middle Atlantic	20.14	19.50	15.57	15.13	8.25	7.95	13.63	14.36	15.94	15.29
New Jersey	19.05	17.61	14.61	14.14	11.99	12.03	10.80	13.43	16.23	15.36
New York	24.02	21.95	18.57	17.54	8.26	6.94	14.73	15.24	19.34	17.93
Pennsylvania	17.57	18.20	11.13	11.36	7.79	7.76	9.97	9.90	12.72	12.64
East North Central	16.44	16.30	12.22	12.00	8.10	8.08	8.31	7.17	12.27	12.11
Illinois	15.88	16.44	11.92	11.57	8.95	8.38	8.20	7.23	12.35	12.18
Indiana	14.61	15.26	12.60	12.81	8.05	8.49	11.92	12.63	11.34	11.77
Michigan	19.15	18.50	14.10	13.32	8.33	8.15	14.23	13.38	14.18	13.58
Ohio	16.05	15.23	10.71	10.67	7.13	7.28	6.64	2.84	11.37	11.06
Wisconsin	17.19	16.66	12.64	12.62	8.55	8.50	18.55	16.48	12.74	12.57
West North Central	13.36	12.90	10.40	10.49	7.74	7.74	10.44	10.45	10.58	10.46
Iowa	13.39	13.02	10.23	10.38	6.79	6.83	--	--	9.39	9.36
Kansas	14.12	13.77	11.28	11.28	8.05	8.31	--	--	11.36	11.30
Minnesota	15.19	14.37	12.23	12.37	9.22	9.19	12.62	12.44	12.35	12.13
Missouri	12.81	12.56	10.18	10.06	7.84	7.95	9.07	8.75	11.01	10.86
Nebraska	11.53	11.03	9.08	9.12	7.60	7.45	--	--	9.28	9.11
North Dakota	11.37	10.68	7.51	7.78	7.14	6.93	--	--	7.99	7.93
South Dakota	12.65	12.06	10.42	9.96	8.32	7.97	--	--	10.78	10.36
South Atlantic	14.56	14.48	10.99	11.09	7.75	7.64	10.07	10.24	12.07	12.00
Delaware	16.30	15.30	12.06	11.82	8.17	8.27	--	--	13.40	12.75
District of Columbia	17.27	15.92	17.08	16.85	11.08	10.93	9.63	9.89	16.78	16.31
Florida	14.28	15.20	11.13	11.91	8.73	9.70	11.00	11.33	12.65	13.51
Georgia	14.15	13.81	11.66	11.35	7.15	6.89	7.40	7.07	11.70	11.32
Maryland	17.58	16.14	12.79	13.01	10.39	9.81	11.46	11.02	14.91	14.25
North Carolina	14.22	12.93	10.57	9.63	7.80	7.10	10.03	8.30	11.71	10.57
South Carolina	14.15	14.12	10.58	10.70	6.85	6.80	--	--	10.88	10.77
Virginia	14.48	14.53	9.33	9.48	8.66	8.96	9.70	11.09	11.04	11.14
West Virginia	14.85	13.99	11.65	11.05	7.68	7.19	--	--	10.95	10.25
East South Central	13.33	13.16	12.35	12.30	6.76	6.84	--	--	11.03	10.90
Alabama	15.03	14.60	13.55	13.19	7.22	7.07	--	--	11.83	11.45
Kentucky	12.67	12.47	11.72	11.61	6.57	6.75	--	--	10.21	10.11
Mississippi	13.45	13.57	12.06	12.75	6.85	7.15	--	--	10.94	11.21
Tennessee	12.42	12.32	12.03	11.91	6.28	6.42	--	--	10.95	10.82
West South Central	13.70	13.50	9.12	9.11	6.04	6.26	8.02	7.56	9.67	9.59
Arkansas	12.16	12.15	10.24	10.36	6.41	6.82	13.32	14.74	9.49	9.68
Louisiana	11.49	11.65	10.26	10.60	5.72	6.10	11.75	11.10	8.69	9.00
Oklahoma	12.02	11.99	8.72	9.17	5.70	6.32	--	--	8.89	9.21
Texas	14.57	14.23	8.92	8.77	6.13	6.23	4.69	7.33	10.01	9.75
Mountain	14.07	13.55	11.06	10.90	7.72	7.78	10.64	10.85	11.19	10.98
Arizona	14.94	13.83	12.36	11.64	7.89	7.79	10.97	10.02	12.79	11.99
Colorado	14.84	14.16	11.81	11.56	8.89	8.54	9.67	9.91	12.12	11.67
Idaho	11.48	10.75	9.26	8.64	7.81	7.15	--	--	9.55	8.91
Montana	12.59	12.16	11.90	11.87	7.92	7.90	--	--	10.93	10.82
Nevada	15.50	16.99	10.61	11.86	8.72	10.40	11.64	12.90	11.77	13.23
New Mexico	14.40	13.87	10.84	10.84	5.74	5.93	--	--	9.45	9.57
Utah	11.27	11.08	8.45	8.39	6.91	7.01	12.06	12.31	9.01	8.96
Wyoming	12.04	11.13	9.35	9.63	7.54	6.79	--	--	8.82	8.24
Pacific Contiguous	23.93	21.18	20.76	19.04	14.30	12.52	15.66	11.95	20.59	18.50
California	32.33	28.73	24.94	22.82	20.99	17.87	16.37	12.19	26.77	23.98
Oregon	14.50	12.51	11.46	10.28	7.47	7.12	12.55	11.34	11.37	10.21
Washington	11.72	10.87	10.54	10.03	6.33	6.30	10.69	10.41	10.10	9.56
Pacific Noncontiguous	35.10	34.30	30.78	30.59	30.72	31.00	--	--	32.13	31.90
Alaska	24.47	23.50	21.33	20.68	19.46	18.77	--	--	21.99	21.21
Hawaii	43.94	42.89	40.05	40.07	35.44	36.07	--	--	39.40	39.37
U.S. Total	16.34	15.93	12.89	12.63	8.11	7.96	12.65	12.42	12.98	12.63

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

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

Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.

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

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

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

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

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

**Table 5.7. Number of Ultimate Customers Served by Sector:  
2014 - July 2024**

Period	Residential	Commercial	Industrial	Transportation	All Sectors
<b>Annual Totals</b>					
2014	128,680,416	17,853,995	839,212	79	147,373,702
2015	129,811,718	17,985,690	835,536	78	148,633,022
2016	131,068,760	18,148,353	838,059	86	150,055,258
2017	132,579,747	18,359,427	840,329	86	151,779,589
2018	133,893,321	18,605,393	840,321	83	153,339,118
2019	135,249,616	18,694,240	954,222	83	154,898,161
2020	136,682,001	18,848,813	992,311	83	156,523,208
2021	138,308,772	19,102,304	1,022,212	82	158,433,370
2022	139,854,178	19,257,529	1,049,983	86	160,161,776
2023	140,822,653	19,334,187	1,076,425	81	161,233,346
<b>Year 2022</b>					
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
<b>Year 2023</b>					
January	140,164,131	19,293,282	1,060,301	81	160,517,795
February	139,617,537	19,192,844	1,051,825	80	159,862,286
March	140,965,719	19,378,911	1,067,760	81	161,412,471
April	139,829,776	19,155,834	1,055,085	81	160,040,776
May	140,797,811	19,353,055	1,084,292	80	161,235,238
June	140,961,861	19,366,091	1,092,186	81	161,420,219
July	140,715,232	19,330,035	1,085,489	82	161,130,838
August	141,687,125	19,448,125	1,104,132	82	162,239,464
Sept	141,011,704	19,362,932	1,087,170	82	161,461,888
October	141,452,573	19,413,832	1,080,839	82	161,947,326
November	141,171,614	19,347,416	1,067,252	82	161,586,364
December	141,496,756	19,367,884	1,080,766	82	161,945,488
<b>Year 2024</b>					
January	142,003,520	19,427,758	1,073,675	82	162,505,035
February	143,158,375	19,490,303	1,065,741	81	163,714,500
March	143,653,733	19,533,175	1,080,363	81	164,267,352
April	143,880,293	19,547,674	1,096,969	78	164,525,014
May	144,231,722	19,598,201	1,112,243	81	164,942,247
June	142,329,942	19,424,317	1,113,125	83	162,867,467
July	143,141,929	19,530,525	1,139,157	83	163,811,694
<b>Rolling 12 Months Ending in July</b>					
2023	140,428,568	19,300,801	1,068,588	82	160,798,039
2024	142,434,941	19,457,679	1,091,786	82	162,984,487

See Technical notes for additional information on the Commercial, Industrial, and Transportation sectors. NA = Not available. See Glossary for definitions.

Geographic coverage is the 50 States and the District of Columbia. Values include energy service provider (power marketer) data.

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

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

Form EIA-861, Annual Electric Power Industry Report; and Form EIA-861S, Annual Electric Power Industry Report (Short Form).



**Table 5.8. Number of Ultimate Customers Served by Sector by State:  
July 2024 and 2023**

Census Division and State	Residential		Commercial		Industrial		Transportation		All Sectors	
	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
New England	6,689,898	6,556,149	945,497	941,486	23,949	21,586	6	6	7,659,350	7,519,227
Connecticut	1,550,611	1,539,297	157,422	156,793	3,837	3,940	3	3	1,711,873	1,700,033
Maine	753,943	723,210	113,218	106,672	1,872	1,973	0	0	869,033	831,855
Massachusetts	2,958,603	2,880,558	441,314	445,804	10,121	10,714	2	2	3,410,040	3,337,078
New Hampshire	650,264	636,354	108,230	109,693	6,240	3,116	0	0	764,734	749,163
Rhode Island	454,292	456,418	61,800	60,575	1,646	1,597	1	1	517,739	518,591
Vermont	322,185	320,312	63,513	61,949	233	246	0	0	385,931	382,507
Middle Atlantic	16,674,551	16,599,869	2,442,879	2,455,785	39,350	34,125	20	20	19,156,800	19,089,799
New Jersey	3,726,178	3,707,537	541,197	538,767	11,236	11,250	7	7	4,278,618	4,257,561
New York	7,420,220	7,378,284	1,162,237	1,181,793	16,461	7,060	8	8	8,598,926	8,567,145
Pennsylvania	5,528,153	5,514,048	739,445	735,225	11,653	15,815	5	5	6,279,256	6,265,093
East North Central	20,871,035	20,755,849	2,572,584	2,566,992	53,724	55,667	10	10	23,497,353	23,378,518
Illinois	5,370,114	5,382,745	633,194	639,432	5,464	5,624	3	3	6,008,775	6,027,804
Indiana	3,004,038	2,960,868	377,065	373,726	18,586	19,092	1	1	3,399,690	3,353,687
Michigan	4,532,937	4,510,252	564,621	560,167	5,680	5,672	2	2	5,103,240	5,076,093
Ohio	5,115,490	5,076,459	628,073	625,167	18,308	19,637	2	2	5,761,873	5,721,265
Wisconsin	2,848,456	2,825,525	369,631	368,500	5,686	5,642	2	2	3,223,775	3,199,669
West North Central	10,066,132	9,940,900	1,518,265	1,521,130	132,448	131,689	3	3	11,716,848	11,593,722
Iowa	1,467,845	1,451,551	251,565	250,024	8,637	8,585	0	0	1,728,047	1,710,160
Kansas	1,346,946	1,331,518	249,974	248,589	24,929	24,791	0	0	1,621,849	1,604,898
Minnesota	2,606,443	2,570,555	309,033	306,572	9,541	9,404	1	1	2,925,018	2,886,532
Missouri	2,894,718	2,862,025	386,457	398,102	9,207	9,804	2	2	3,290,384	3,269,933
Nebraska	914,913	901,730	164,468	162,724	66,234	65,447	0	0	1,145,615	1,129,901
North Dakota	398,158	394,698	77,840	77,303	9,494	9,319	0	0	485,492	481,320
South Dakota	437,109	428,823	78,928	77,816	4,406	4,339	0	0	520,443	510,978
South Atlantic	30,702,980	30,135,719	4,029,670	3,996,485	89,359	88,860	13	13	34,822,022	34,221,077
Delaware	470,303	463,700	60,446	59,642	741	820	0	0	531,490	524,162
District of Columbia	318,839	312,520	27,576	27,338	1	1	3	3	346,419	339,862
Florida	10,407,926	10,201,328	1,297,806	1,285,510	27,293	26,786	2	2	11,733,027	11,513,626
Georgia	4,827,323	4,733,640	617,250	610,277	24,553	24,472	1	1	5,469,127	5,368,390
Maryland	2,449,094	2,428,046	261,695	261,069	9,067	9,074	5	5	2,719,861	2,698,194
North Carolina	5,092,197	4,972,002	747,688	742,273	9,166	9,318	1	1	5,849,052	5,723,594
South Carolina	2,586,672	2,527,590	412,026	407,962	3,599	3,611	0	0	3,002,297	2,939,163
Virginia	3,685,628	3,633,034	453,332	451,393	3,995	3,706	1	1	4,142,956	4,088,134
West Virginia	864,998	863,859	151,851	151,021	10,944	11,072	0	0	1,027,793	1,025,952
East South Central	8,931,144	8,784,520	1,486,115	1,464,471	24,953	25,177	0	0	10,442,212	10,274,168
Alabama	2,407,299	2,372,617	387,682	382,293	7,250	7,247	0	0	2,802,231	2,762,157
Kentucky	2,041,507	2,017,196	326,634	322,013	5,331	5,781	0	0	2,373,472	2,344,990
Mississippi	1,375,986	1,358,624	245,748	243,781	11,410	11,129	0	0	1,633,144	1,613,534
Tennessee	3,106,352	3,036,083	526,051	516,384	962	1,020	0	0	3,633,365	3,553,487
West South Central	18,071,254	17,653,365	2,442,300	2,379,046	464,175	427,156	6	6	20,977,735	20,459,573
Arkansas	1,485,484	1,464,809	210,389	208,227	41,799	41,499	2	2	1,737,674	1,714,537
Louisiana	2,184,349	2,165,617	303,492	301,650	18,458	18,875	1	1	2,506,300	2,486,143
Oklahoma	1,897,768	1,869,368	306,242	302,614	18,614	18,898	0	0	2,222,624	2,190,880
Texas	12,503,653	12,153,571	1,622,177	1,566,555	385,304	347,884	3	3	14,511,137	14,068,013
Mountain	10,761,247	10,564,713	1,512,005	1,491,121	103,803	103,190	5	5	12,377,060	12,159,029
Arizona	3,093,942	3,030,784	344,939	341,955	7,125	7,248	2	2	3,446,008	3,379,989
Colorado	2,496,728	2,456,420	399,259	393,677	15,037	14,947	1	1	2,911,025	2,865,045
Idaho	864,529	842,453	123,502	121,577	29,818	29,631	0	0	1,017,849	993,661
Montana	559,489	549,765	118,244	116,188	14,125	13,741	0	0	691,858	679,694
Nevada	1,311,736	1,288,846	177,845	173,789	4,958	4,897	1	1	1,494,540	1,467,533
New Mexico	918,601	910,703	147,017	145,992	9,716	9,864	0	0	1,075,334	1,066,559
Utah	1,228,832	1,200,811	141,702	138,814	11,030	10,942	1	1	1,381,565	1,350,568
Wyoming	287,390	284,931	59,497	59,129	11,994	11,920	0	0	358,881	355,980
Pacific Contiguous	19,626,871	18,979,514	2,463,900	2,395,786	205,363	196,046	20	19	22,296,154	21,571,365
California	14,378,303	13,806,566	1,800,737	1,738,648	152,098	143,386	13	12	16,331,151	15,688,612
Oregon	1,878,079	1,849,485	252,265	249,098	25,791	25,521	2	2	2,156,137	2,124,106
Washington	3,370,489	3,323,463	410,898	408,040	27,474	27,139	5	5	3,808,866	3,758,647
Pacific Noncontiguous	746,817	744,634	117,310	117,733	2,033	1,993	0	0	866,160	864,360
Alaska	300,496	297,912	57,791	57,489	1,217	1,187	0	0	359,504	356,588
Hawaii	446,321	446,722	59,519	60,244	816	806	0	0	506,656	507,772
U.S. Total	143,141,929	140,715,232	19,530,525	19,330,035	1,139,157	1,085,489	83	82	163,811,694	161,130,838

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

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

Notes: - See Glossary for definitions. - Values are preliminary estimates based on a cutoff model sample.

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

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

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

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

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

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



# Chapter 6

## Capacity

Table 6.1. Electric Generating Summer Capacity Changes (MW), June 2024 to July 2024

Technology	Capacity Source	As of End of June 2024	Activity During July 2024 as Reported to EIA			As of End of July 2024	Net Change in Capacity - Current Month and Prior Periods			Changes in and Total Net Summer Capacity -- Outlook Based on Reports to EIA								
			Total In-Service Capacity	Actual Capacity Additions	Actual Capacity Reductions		Total In-Service Capacity	Current Month	Year to Date	Past 12 Months	Planned Capacity Additions		Planned Capacity Reductions		Planned Net Change		Capacity	
											Next Month	Next 12 Months	Next Month	Next 12 Months	Next Month	Next 12 Months	At End of Next Month	At End of Next 12 Months
..... Onshore Wind (Summer Capacity)	Utility Scale Facilities	150,217.7	736.9	350.2	150,604.4	386.7	3,005.9	6,141.7	100.0	4,521.9	0.0	0.0	100.0	4,521.2	150,704.4	155,125.6		
..... Offshore Wind (Summer Capacity)	Utility Scale Facilities	41.3	130.0	0.0	171.3	130.0	130.0	130.0	0.0	800.0	0.0	0.0	0.0	800.0	171.3	971.3		
..... Wind (Summer Capacity)	Utility Scale Facilities	150,259.0	866.9	350.2	150,775.7	516.7	3,135.9	6,271.7	100.0	5,321.9	0.0	0.0	100.0	5,321.2	150,875.7	156,096.9		
..... Solar Photovoltaic	Utility Scale Facilities	102,559.8	788.5	58.4	103,289.9	730.1	13,461.0	23,839.0	4,494.7	35,587.6	0.0	0.0	4,494.7	35,587.6	107,784.6	138,877.5		
..... Solar Thermal without Energy Storage	Utility Scale Facilities	1,074.4	0.0	0.0	1,074.4	0.0	0.0	0.0	0.0	0.0	0.0	88.0	0.0	-88.0	1,074.4	986.4		
..... Solar Thermal with Energy Storage	Utility Scale Facilities	405.6	0.0	0.0	405.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	405.6	405.6		
..... Solar Subtotal	Utility Scale Facilities	104,039.8	788.5	58.4	104,769.9	730.1	13,461.0	23,839.0	4,494.7	35,587.6	0.0	88.0	4,494.7	35,499.6	109,264.6	140,269.5		
..... Conventional Hydroelectric	Utility Scale Facilities	79,828.9	0.0	0.0	79,828.9	0.0	-260.8	-255.2	5.6	51.8	0.0	10.4	5.6	41.4	79,834.5	79,870.3		
..... Wood/Wood Waste Biomass	Utility Scale Facilities	7,693.1	0.0	0.0	7,693.1	0.0	-22.5	-85.7	0.0	43.0	0.0	0.0	0.0	43.0	7,693.1	7,736.1		
..... Landfill Gas	Utility Scale Facilities	1,547.0	0.0	0.0	1,547.0	0.0	-102.1	-108.7	0.0	7.0	0.0	0.0	0.0	7.0	1,547.0	1,554.0		
..... Municipal Solid Waste	Utility Scale Facilities	1,951.0	0.0	46.5	1,904.5	-46.5	-146.1	-146.1	0.0	0.0	0.0	0.0	0.0	0.0	1,904.5	1,904.5		
..... Other Waste Biomass	Utility Scale Facilities	585.6	1.8	0.0	587.4	1.8	-5.5	-3.3	3.2	43.2	0.0	0.0	3.2	43.2	590.6	630.6		
..... Biomass Sources Subtotal	Utility Scale Facilities	11,776.7	1.8	46.5	11,732.0	-44.7	-276.2	-343.8	3.2	93.2	0.0	0.0	3.2	93.2	11,735.2	11,825.2		
..... Geothermal	Utility Scale Facilities	2,695.8	0.0	0.0	2,695.8	0.0	22.2	22.2	0.0	0.0	0.0	0.0	0.0	0.0	2,695.8	2,695.8		
... Renewable Sources Subtotal	Utility Scale Facilities	348,600.2	1,657.2	455.1	349,802.3	1,202.1	16,081.4	29,533.2	4,603.5	41,054.5	0.0	99.1	4,603.5	40,955.4	354,405.8	390,757.7		
..... Natural Gas Fired Combined Cycle	Utility Scale Facilities	292,298.0	776.7	248.6	292,826.1	528.1	-2,915.9	-1,555.2	13.0	2,857.9	0.0	275.0	13.0	2,582.9	292,839.1	295,409.0		
..... Natural Gas Fired Combustion Turbine	Utility Scale Facilities	131,784.6	724.4	27.0	132,482.0	697.4	830.7	1,002.5	55.0	2,338.4	0.0	805.3	55.0	1,533.1	132,537.0	134,015.1		
..... Natural Gas Steam Turbine	Utility Scale Facilities	74,193.7	0.0	0.0	74,193.7	0.0	-547.7	-2,410.7	4.6	12.6	0.0	1,689.7	4.6	-1,677.1	74,198.3	72,516.6		
..... Natural Gas Internal Combustion Engine	Utility Scale Facilities	5,985.5	176.3	0.0	6,161.8	176.3	450.6	446.4	0.0	530.2	0.0	0.0	0.0	530.2	6,161.8	6,692.0		
..... Natural Gas with Compressed Air Storage	Utility Scale Facilities	110.0	0.0	0.0	110.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	110.0	110.0		
..... Other Natural Gas	Utility Scale Facilities	361.0	0.0	1.4	359.6	-1.4	9.8	9.8	0.0	0.0	0.0	0.0	0.0	0.0	359.6	359.6		
..... Natural Gas Subtotal	Utility Scale Facilities	504,732.8	1,677.4	277.0	506,133.2	1,400.4	-2,172.5	-2,507.2	72.6	5,739.1	0.0	2,770.0	72.6	2,969.1	506,205.8	509,102.3		
..... Conventional Steam Coal	Utility Scale Facilities	176,411.1	0.0	0.0	176,411.1	0.0	-3,804.4	-5,584.7	0.0	30.5	0.0	5,828.1	0.0	-5,797.6	176,411.1	170,613.5		
..... Coal Integrated Gasification Combined Cycle	Utility Scale Facilities	555.0	0.0	0.0	555.0	0.0	-40.0	-40.0	0.0	0.0	0.0	0.0	0.0	0.0	555.0	555.0		
..... Coal Subtotal	Utility Scale Facilities	176,966.1	0.0	0.0	176,966.1	0.0	-3,844.4	-5,624.7	0.0	30.5	0.0	5,828.1	0.0	-5,797.6	176,966.1	171,168.5		
..... Petroleum Coke	Utility Scale Facilities	1,321.9	0.0	0.0	1,321.9	0.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	1,321.9	1,321.9		
..... Petroleum Liquids	Utility Scale Facilities	27,986.6	37.7	1.2	28,023.1	36.5	253.4	269.8	40.0	59.0	0.0	1,439.9	40.0	-1,380.9	28,063.1	26,642.2		
..... Other Gases	Utility Scale Facilities	1,847.6	0.0	8.8	1,838.8	-8.8	113.7	113.7	0.0	0.0	0.0	0.0	0.0	0.0	1,838.8	1,838.8		
... Fossil Fuels Subtotal	Utility Scale Facilities	712,855.0	1,715.1	287.0	714,283.1	1,428.1	-5,646.8	-7,745.4	112.6	5,828.6	0.0	10,038.0	112.6	-4,209.4	714,395.7	710,073.7		
..... Hydroelectric Pumped Storage	Utility Scale Facilities	23,227.4	0.0	0.0	23,227.4	0.0	60.9	60.9	0.0	0.0	0.0	0.0	0.0	0.0	23,227.4	23,227.4		
..... Flywheels	Utility Scale Facilities	47.0	0.0	0.0	47.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	47.0	47.0		
..... Batteries	Utility Scale Facilities	19,860.9	799.0	11.2	20,648.7	787.8	5,235.2	8,264.0	1,828.5	16,916.0	0.0	0.0	1,828.5	16,916.0	22,477.2	37,564.7		
... Energy Storage Subtotal	Utility Scale Facilities	43,135.3	799.0	11.2	43,923.1	787.8	5,296.1	8,324.9	1,828.5	16,916.0	0.0	0.0	1,828.5	16,916.0	45,751.6	60,839.1		
... Nuclear	Utility Scale Facilities	96,826.2	0.0	0.0	96,826.2	0.0	1,080.2	1,080.2	0.0	45.0	0.0	0.0	0.0	45.0	96,826.2	96,871.2		
... All Other	Utility Scale Facilities	1,405.8	0.0	0.0	1,405.8	0.0	26.7	27.6	0.0	0.0	0.0	0.0	0.0	0.0	1,405.8	1,405.8		
<b>TOTAL</b>	<b>UTILITY SCALE FACILITIES</b>	<b>1,202,822.5</b>	<b>4,171.3</b>	<b>753.3</b>	<b>1,206,240.5</b>	<b>3,418.0</b>	<b>16,837.6</b>	<b>31,220.5</b>	<b>6,544.6</b>	<b>63,844.1</b>	<b>0.0</b>	<b>10,137.1</b>	<b>6,544.6</b>	<b>53,707.0</b>	<b>1,212,785.1</b>	<b>1,259,947.5</b>		
..... Estimated Small Scale Solar Photovoltaic	Small Scale Facilities	50,524.3			50,985.7	461.4	3,281.8	6,544.0										
..... Estimated Total Solar Photovoltaic	All Facilities	153,084.1			154,275.6	1,191.5	16,742.8	30,383.0										
... Estimated Total Solar	All Facilities	154,564.1			155,755.6	1,191.5	16,742.8	30,383.0										

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

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

**Table 6.1.A. Estimated Net Summer Solar Photovoltaic Capacity From Utility and Small Scale Facilities (Megawatts)  
2008 - July 2024**

Period	Utility Solar Photovoltaic	Estimated Small Scale Solar Photovoltaic	Estimated Total Solar Photovoltaic
<b>Annual Totals</b>			
2014	8,656.6	7,326.6	15,983.2
2015	11,905.4	9,778.5	21,683.9
2016	20,192.9	12,765.1	32,958.0
2017	25,209.0	16,147.8	41,356.8
2018	30,120.5	19,547.1	49,667.6
2019	35,710.2	23,213.6	58,923.8
2020	46,306.2	27,584.8	73,891.0
2021	60,070.1	33,081.0	93,151.1
2022	71,386.3	39,828.0	111,214.3
2023	89,828.9	47,703.9	137,532.8
<b>Year 2022</b>			
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
<b>Year 2023</b>			
January	72,500.3	40,576.8	113,077.1
February	73,255.2	41,186.8	114,442.0
March	73,878.7	41,653.3	115,532.0
April	74,760.5	42,428.3	117,188.8
May	75,828.1	43,110.2	118,938.3
June	77,427.1	43,837.8	121,264.9
July	79,450.9	44,441.7	123,892.6
August	80,157.8	45,279.3	125,437.1
Sept	81,004.9	45,892.7	126,897.6
October	82,539.6	46,547.6	129,087.2
November	83,426.5	47,258.2	130,684.7
December	89,828.9	47,703.9	137,532.8
<b>Year 2024</b>			
January	93,240.6	48,084.1	141,324.7
February	93,991.1	48,821.5	142,812.6
March	96,761.9	49,266.4	146,028.3
April	98,054.8	49,760.2	147,815.0
May	100,002.3	50,196.5	150,198.8
June	102,559.8	50,524.3	153,084.1
July	103,289.9	50,985.7	154,275.6

Values are preliminary.

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

Estimated small scale solar photovoltaic capacity is based on data from Form EIA-861M, Form EIA-861, and from estimation methods described in the technical notes.

**Table 6.1.B. Estimated Net Summer Solar Photovoltaic Capacity From Small Scale Facilities by Sector (Megawatts): 2014 - July 2024**

Period	Residential	Commercial	Industrial	Total
<b>Annual Totals</b>				
2014	3,346.3	3,279.7	700.6	7,326.6
2015	5,191.5	3,706.7	880.3	9,778.5
2016	7,527.0	4,022.8	1,215.3	12,765.1
2017	9,626.8	5,155.8	1,365.1	16,147.8
2018	11,720.4	6,271.4	1,555.4	19,547.1
2019	14,249.0	7,167.9	1,796.6	23,213.6
2020	17,163.3	8,376.1	2,045.3	27,584.8
2021	21,116.2	9,752.0	2,212.7	33,081.0
2022	26,294.0	11,212.3	2,321.7	39,828.0
2023	32,850.1	12,285.3	2,568.5	47,703.9
<b>Year 2022</b>				
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
<b>Year 2023</b>				
January	26,889.3	11,324.1	2,363.4	40,576.8
February	27,336.2	11,483.1	2,367.5	41,186.8
March	27,809.1	11,458.3	2,386.0	41,653.3
April	28,383.1	11,605.2	2,439.9	42,428.3
May	28,947.1	11,721.8	2,441.3	43,110.2
June	29,594.2	11,789.6	2,453.9	43,837.8
July	30,117.2	11,861.4	2,463.1	44,441.7
August	30,904.9	11,917.0	2,457.4	45,279.3
Sept	31,370.9	12,045.9	2,476.0	45,892.7
October	31,898.1	12,140.8	2,508.6	46,547.6
November	32,359.2	12,336.0	2,563.0	47,258.2
December	32,850.1	12,285.3	2,568.5	47,703.9
<b>Year 2024</b>				
January	33,093.6	12,417.9	2,572.6	48,084.1
February	33,530.3	12,669.1	2,622.1	48,821.5
March	33,795.9	12,852.2	2,618.3	49,266.4
April	34,216.7	12,903.0	2,640.5	49,760.2
May	34,295.6	13,282.7	2,618.2	50,196.5
June	34,425.2	13,500.2	2,598.9	50,524.3
July	34,750.3	13,633.1	2,602.3	50,985.7

Values are preliminary.

Improved renewable data reporting has resulted in realignment of the commercial and industrial sectors.

Estimated small scale solar photovoltaic capacity is based on data from Form EIA-861M, Form EIA-861, and from estimation methods described in the technical notes.



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

Census Division and State	Renewable Sources		Fossil Fuels		Hydroelectric Pumped Storage		Other Energy Storage		Nuclear		All Other Sources		All Sources	
	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
New England	7,581.7	7,118.8	21,096.9	22,548.0	1,863.4	1,863.4	370.9	330.0	3,326.9	3,356.1	22.0	22.0	34,261.8	35,238.3
Connecticut	568.8	536.7	7,286.5	7,272.9	29.4	29.4	1.6	1.6	2,081.2	2,108.0	0.0	0.0	9,967.5	9,948.6
Maine	2,846.2	2,574.5	2,312.2	2,306.2	0.0	0.0	62.3	46.3	0.0	0.0	22.0	22.0	5,242.7	4,949.0
Massachusetts	1,989.2	1,947.7	7,331.7	8,802.4	1,834.0	1,834.0	269.1	258.2	0.0	0.0	0.0	0.0	11,424.0	12,842.3
New Hampshire	946.6	944.1	2,260.4	2,260.4	0.0	0.0	14.0	0.0	1,245.7	1,248.1	0.0	0.0	4,466.7	4,452.6
Rhode Island	522.1	413.1	1,780.1	1,780.1	0.0	0.0	3.0	3.0	0.0	0.0	0.0	0.0	2,305.2	2,196.2
Vermont	708.8	702.7	126.0	126.0	0.0	0.0	20.9	20.9	0.0	0.0	0.0	0.0	855.7	849.6
Middle Atlantic	14,915.6	13,469.4	70,836.7	72,094.5	3,312.0	3,343.2	380.7	329.2	15,854.5	15,854.5	11.2	11.2	105,310.7	105,102.0
New Jersey	1,377.9	1,333.4	11,368.6	11,501.4	415.4	420.0	89.7	69.7	3,456.7	3,456.7	11.2	11.2	16,719.5	16,792.4
New York	9,842.9	9,059.4	25,793.8	25,783.4	1,405.1	1,408.8	236.4	204.9	3,304.6	3,304.6	0.0	0.0	40,582.8	39,761.1
Pennsylvania	3,684.8	3,076.6	33,674.3	34,809.7	1,491.5	1,514.4	54.6	54.6	9,093.2	9,093.2	0.0	0.0	48,008.4	48,548.5
East North Central	27,159.3	22,828.4	102,426.9	105,090.6	2,185.6	2,185.6	218.9	177.5	18,206.2	18,206.2	169.8	169.8	150,366.7	148,658.1
Illinois	9,259.2	8,510.0	23,967.0	25,554.8	0.0	0.0	96.1	96.1	11,567.6	11,567.6	78.0	78.0	44,967.9	45,806.5
Indiana	5,199.3	4,777.5	21,620.7	22,121.9	0.0	0.0	81.0	36.0	0.0	0.0	88.0	88.0	26,989.0	27,023.4
Michigan	5,524.5	5,041.9	20,306.5	20,320.5	2,185.6	2,185.6	1.3	1.3	3,318.0	3,318.0	3.8	3.8	31,339.7	30,871.1
Ohio	3,741.8	2,130.2	23,817.7	23,861.5	0.0	0.0	34.8	38.8	2,134.0	2,134.0	0.0	0.0	29,728.3	28,164.5
Wisconsin	3,434.5	2,368.8	12,715.0	13,231.9	0.0	0.0	5.7	5.3	1,186.6	1,186.6	0.0	0.0	17,341.8	16,792.6
West North Central	46,004.6	44,134.1	56,763.4	57,384.5	657.0	657.0	31.6	31.8	4,792.2	4,842.0	12.2	12.2	108,261.0	107,061.6
Iowa	13,359.9	13,093.4	9,386.7	9,403.5	0.0	0.0	8.9	8.9	0.0	0.0	0.0	0.0	22,755.5	22,505.8
Kansas	9,100.8	8,293.2	8,928.9	8,921.4	0.0	0.0	0.0	0.0	1,176.7	1,225.0	0.8	0.8	19,207.2	18,440.4
Minnesota	6,753.7	6,637.7	9,413.8	10,121.6	0.0	0.0	16.0	16.0	1,657.0	1,657.0	6.1	6.1	17,846.6	18,438.4
Missouri	3,038.2	3,038.2	16,286.1	16,261.7	657.0	657.0	1.0	2.2	1,190.0	1,190.0	0.0	0.0	21,172.3	21,149.1
Nebraska	3,935.1	3,854.1	6,153.4	6,167.0	0.0	0.0	4.9	3.9	768.5	770.0	0.0	0.0	10,861.9	10,795.0
North Dakota	4,839.9	4,845.9	4,645.3	4,557.8	0.0	0.0	0.0	0.0	0.0	0.0	5.3	5.3	9,490.5	9,409.0
South Dakota	4,977.0	4,371.6	1,949.2	1,951.5	0.0	0.0	0.8	0.8	0.0	0.0	0.0	0.0	6,927.0	6,323.9
South Atlantic	39,167.8	35,126.5	153,124.9	154,340.0	8,272.5	8,180.4	853.9	767.4	27,018.1	25,866.8	366.9	366.9	228,804.1	224,648.0
Delaware	113.1	105.7	3,189.9	3,189.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3,303.0	3,295.6
District of Columbia	40.0	30.5	20.6	20.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60.6	51.1
Florida	10,711.1	8,670.7	55,407.9	55,989.8	0.0	0.0	560.7	558.2	3,666.0	3,666.0	312.9	312.9	70,658.6	69,197.6
Georgia	7,335.1	6,871.5	23,457.0	23,532.2	1,897.4	1,897.4	81.2	81.2	6,289.0	5,175.0	0.0	0.0	39,059.7	37,557.3
Maryland	1,467.0	1,480.4	8,452.8	8,742.3	0.0	0.0	13.7	7.7	1,745.2	1,707.8	0.0	0.0	11,678.7	11,938.2
North Carolina	9,305.8	8,963.4	21,318.2	21,342.6	86.0	86.0	58.3	58.3	5,149.6	5,149.6	54.0	54.0	35,971.9	35,653.9
South Carolina	3,333.2	3,247.3	11,526.3	11,665.6	3,036.0	2,956.0	22.0	4.0	6,600.3	6,600.4	0.0	0.0	24,517.8	24,473.3
Virginia	5,544.4	4,557.8	15,993.8	16,083.0	3,253.1	3,241.0	70.5	10.5	3,568.0	3,568.0	0.0	0.0	28,429.8	27,460.3
West Virginia	1,318.1	1,199.2	13,758.4	13,774.0	0.0	0.0	47.5	47.5	0.0	0.0	0.0	0.0	15,124.0	15,020.7
East South Central	10,512.9	9,766.6	62,319.4	60,769.4	1,616.3	1,616.3	52.5	2.3	11,358.4	11,358.4	1.4	1.4	85,860.9	83,514.4
Alabama	4,542.0	4,537.5	21,134.0	19,763.2	0.0	0.0	1.0	1.0	5,452.7	5,452.7	0.0	0.0	31,129.7	29,754.4
Kentucky	1,346.5	1,291.7	17,047.5	16,343.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	18,394.0	17,635.2
Mississippi	1,241.0	623.0	12,719.1	13,243.9	0.0	0.0	51.5	1.3	1,383.0	1,383.0	1.4	1.4	15,396.0	15,252.6
Tennessee	3,383.4	3,314.4	11,418.8	11,418.8	1,616.3	1,616.3	0.0	0.0	4,522.7	4,522.7	0.0	0.0	20,941.2	20,872.2
West South Central	78,209.0	69,876.7	139,792.0	141,523.4	288.0	288.0	4,830.3	2,994.3	8,941.9	8,934.0	578.1	548.2	232,639.3	224,164.6
Arkansas	2,491.6	1,823.4	10,875.0	11,260.8	30.0	30.0	22.0	22.0	1,825.0	1,822.0	0.0	0.0	15,243.6	14,958.2
Louisiana	1,258.6	758.6	20,740.2	21,547.5	0.0	0.0	0.0	0.5	2,136.9	2,132.0	359.1	329.2	24,494.8	24,767.8
Oklahoma	13,724.0	13,113.1	18,234.3	19,757.9	258.0	258.0	10.0	10.0	0.0	0.0	0.0	0.0	32,226.3	33,139.0
Texas	60,734.8	54,181.6	89,942.5	88,957.2	0.0	0.0	4,798.3	2,961.8	4,980.0	4,980.0	219.0	219.0	160,674.6	151,299.6
Mountain	45,469.2	39,978.1	58,959.9	58,268.5	806.7	806.7	3,504.6	1,337.8	3,937.0	3,937.0	124.6	123.7	112,802.0	104,451.8
Arizona	8,197.1	6,663.3	17,647.5	17,587.5	216.3	216.3	1,806.0	615.0	3,937.0	3,937.0	0.0	0.0	31,803.9	29,019.1
Colorado	8,233.9	7,742.7	10,472.4	10,486.2	590.4	590.4	299.8	235.2	0.0	0.0	9.1	9.1	19,605.6	19,063.6
Idaho	4,355.5	4,137.0	1,242.3	1,212.5	0.0	0.0	0.0	0.0	0.0	0.0	14.8	14.8	5,612.6	5,364.3
Montana	4,797.8	4,406.8	2,233.6	2,072.0	0.0	0.0	0.0	0.0	0.0	0.0	40.0	40.0	7,071.4	6,518.8
Nevada	6,977.4	5,688.3	8,528.1	8,081.4	0.0	0.0	1,108.8	248.8	0.0	0.0	6.5	6.5	16,620.8	14,025.0
New Mexico	6,325.4	5,573.3	4,849.1	4,848.0	0.0	0.0	289.0	237.8	0.0	0.0	0.7	0.7	11,464.2	10,659.8
Utah	2,927.0	2,360.7	7,311.3	7,307.5	0.0	0.0	1.0	1.0	0.0	0.0	40.2	40.2	10,279.5	9,709.4
Wyoming	3,655.1	3,406.0	6,675.6	6,673.4	0.0	0.0	0.0	0.0	0.0	0.0	13.3	12.4	10,344.0	10,091.8
Pacific Contiguous	79,305.1	76,573.7	44,811.0	45,844.3	4,225.9	4,225.9	9,926.2	6,192.8	3,391.0	3,391.0	91.2	94.4	141,750.4	136,322.1
California	40,376.4	37,588.2	36,969.4	38,029.7	3,911.9	3,911.9	9,890.2	6,151.8	2,240.0	2,240.0	91.2	94.4	93,479.1	88,016.0
Oregon	13,578.4	13,605.4	3,769.0	3,755.0	0.0	0.0	30.0	35.0	0.0	0.0	0.0	0.0	17,377.4	17,395.4
Washington	25,350.3	25,380.1	4,072.6	4,059.6	314.0	314.0	6.0	6.0	1,151.0	1,151.0	0.0	0.0	30,893.9	30,910.7
Pacific Noncontiguous	1,477.1	1,396.8	4,152.0	4,165.3	0.0	0.0	526.1	268.6	0.0	0.0	28.4	28.4	6,183.6	5,859.1
Alaska	549.9	541.2	2,172.1	2,185.4	0.0	0.0	93.7	93.7	0.0	0.0	0.9	0.9	2,816.6	2,821.2
Hawaii	927.2	855.6	1,979.9	1,979.9	0.0	0.0	432.4	174.9	0.0	0.0	27.5	27.5	3,367.0	3,037.9
U.S. Total	349,802.3	320,269.1	714,283.1	722,028.5	23,227.4	23,166.5	20,695.7	12,431.7	96,826.2	95,746.0	1,405.8	1,378.2	1,206,240.5	1,175,020.0

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

## NOTES:

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

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

Table 6.2.B. Net Summer Capacity Using Primarily Renewable Energy Sources and by State, July 2024 and 2023 (Megawatts)

Census Division and State	Summer Capacity at Utility Scale Facilities														Small Scale Capacity		Capacity From Utility and Small Scale Facilities			
	Wind		Solar Photovoltaic		Solar Thermal		Conventional Hydroelectric		Biomass Sources		Geothermal		Total Renewable Sources		Estimated Solar Photovoltaic		Estimated Total Solar Photovoltaic		Estimated Total Solar	
	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
New England	1,575.7	1,575.7	2,807.4	2,339.3	0.0	0.0	1,951.2	1,950.4	1,247.4	1,253.4	0.0	0.0	7,581.7	7,118.8	5,559.4	4,723.6	8,366.8	7,062.9	8,366.8	7,062.9
Connecticut	5.0	5.0	305.0	272.9	0.0	0.0	119.2	119.2	139.6	139.6	0.0	0.0	568.8	536.7	1,052.1	903.7	1,357.1	1,176.6	1,357.1	1,176.6
Maine	1,029.5	1,029.5	602.3	330.6	0.0	0.0	725.8	725.8	488.6	488.6	0.0	0.0	2,846.2	2,574.5	687.0	415.1	1,289.3	745.7	1,289.3	745.7
Massachusetts	101.8	101.8	1,349.5	1,301.2	0.0	0.0	264.8	267.2	273.1	277.5	0.0	0.0	1,989.2	1,947.7	2,912.4	2,588.8	4,261.9	3,890.0	4,261.9	3,890.0
New Hampshire	211.9	211.9	2.4	2.4	0.0	0.0	506.5	504.0	225.8	225.8	0.0	0.0	946.6	944.1	256.1	214.0	258.5	216.4	258.5	216.4
Rhode Island	77.3	77.3	402.0	293.0	0.0	0.0	2.7	2.7	40.1	40.1	0.0	0.0	522.1	413.1	470.2	421.2	872.2	714.2	872.2	714.2
Vermont	150.2	150.2	146.2	139.2	0.0	0.0	332.2	331.5	80.2	81.8	0.0	0.0	708.8	702.7	181.6	180.7	327.8	319.9	327.8	319.9
Middle Atlantic	4,436.5	3,994.6	3,909.3	2,873.8	0.0	0.0	5,502.6	5,505.2	1,067.2	1,095.8	0.0	0.0	14,915.6	13,469.4	6,489.0	6,058.5	10,398.3	8,932.3	10,398.3	8,932.3
New Jersey	7.6	7.6	1,169.3	1,122.8	0.0	0.0	12.3	12.3	188.7	190.7	0.0	0.0	1,377.9	1,333.4	2,391.8	2,464.5	3,561.1	3,587.3	3,561.1	3,587.3
New York	2,876.3	2,527.0	1,950.5	1,513.8	0.0	0.0	4,560.8	4,563.3	455.3	455.3	0.0	0.0	9,842.9	9,059.4	3,207.2	2,841.9	5,157.7	4,355.7	5,157.7	4,355.7
Pennsylvania	1,552.6	1,460.0	789.5	237.2	0.0	0.0	929.5	929.6	423.2	449.8	0.0	0.0	3,694.8	3,076.6	889.9	752.2	1,679.4	989.4	1,679.4	989.4
East North Central	17,016.1	16,331.6	8,257.8	4,580.8	0.0	0.0	880.7	876.4	1,004.7	1,039.6	0.0	0.0	27,159.3	22,828.4	2,464.9	2,018.6	10,722.7	6,599.4	10,722.7	6,599.4
Illinois	7,873.7	7,494.9	1,297.4	927.0	0.0	0.0	32.9	32.9	55.2	55.2	0.0	0.0	9,259.2	8,510.0	1,313.6	1,050.8	2,611.0	1,977.8	2,611.0	1,977.8
Indiana	3,439.1	3,352.1	1,638.9	1,281.7	0.0	0.0	71.6	71.6	49.7	72.1	0.0	0.0	5,199.3	4,777.5	264.4	239.3	1,903.3	1,521.0	1,903.3	1,521.0
Michigan	3,775.3	3,561.1	995.0	727.7	0.0	0.0	263.8	263.8	490.4	489.3	0.0	0.0	5,524.5	5,041.9	255.5	211.6	1,250.5	939.3	1,250.5	939.3
Ohio	1,101.8	1,097.3	2,460.3	853.2	0.0	0.0	101.9	101.9	77.8	77.8	0.0	0.0	3,741.8	2,130.2	379.6	318.3	2,839.9	1,171.5	2,839.9	1,171.5
Wisconsin	826.2	826.2	1,866.2	791.2	0.0	0.0	410.5	406.2	331.6	345.2	0.0	0.0	3,434.5	2,368.8	251.9	198.5	2,118.1	989.7	2,118.1	989.7
West North Central	40,153.1	38,753.4	2,096.0	1,622.4	0.0	0.0	3,364.6	3,363.9	390.9	393.7	0.0	0.0	46,004.6	44,134.1	1,176.8	1,014.6	3,272.8	2,637.0	3,272.8	2,637.0
Iowa	12,803.8	12,602.9	326.1	260.5	0.0	0.0	209.4	209.4	20.6	20.6	0.0	0.0	13,359.9	13,093.4	301.7	257.5	518.0	627.8	518.0	627.8
Kansas	9,042.7	8,238.1	42.1	39.1	0.0	0.0	7.0	7.0	9.0	9.0	0.0	0.0	9,100.8	8,293.2	97.5	78.5	139.6	117.6	139.6	117.6
Minnesota	4,928.7	4,928.7	1,296.4	1,180.4	0.0	0.0	212.0	211.3	316.6	316.6	0.0	0.0	6,753.7	6,637.7	268.7	217.3	1,565.1	1,397.7	1,565.1	1,397.7
Missouri	2,374.9	2,374.9	100.8	100.8	0.0	0.0	548.5	548.5	14.0	14.0	0.0	0.0	3,038.2	3,038.2	467.3	428.0	528.8	568.1	528.8	568.1
Nebraska	3,518.3	3,518.3	121.6	40.6	0.0	0.0	279.7	279.7	15.5	15.5	0.0	0.0	3,935.1	3,854.1	34.8	29.8	156.4	70.4	156.4	70.4
North Dakota	4,320.1	4,323.3	0.0	0.0	0.0	0.0	510.0	510.0	9.8	12.6	0.0	0.0	4,839.9	4,845.9	NM	1.7	NM	1.7	NM	1.7
South Dakota	3,164.6	2,767.2	209.0	1.0	0.0	0.0	1,598.0	1,598.0	5.4	5.4	0.0	0.0	4,977.0	4,371.6	4.4	1.9	213.4	2.9	213.4	2.9
South Atlantic	1,267.2	1,267.2	27,031.2	22,757.7	0.0	0.0	7,055.3	7,142.6	3,814.1	3,959.0	0.0	0.0	39,167.8	35,126.5	5,991.6	5,025.4	33,022.8	27,783.1	33,022.8	27,783.1
Delaware	2.0	2.0	96.9	89.5	0.0	0.0	0.0	0.0	14.2	14.2	0.0	0.0	113.1	105.7	138.6	126.9	235.5	216.4	235.5	216.4
District of Columbia	0.0	0.0	28.0	18.5	0.0	0.0	0.0	0.0	12.0	12.0	0.0	0.0	40.0	30.5	161.3	128.6	189.3	147.1	189.3	147.1
Florida	0.0	0.0	9,666.0	7,486.0	0.0	0.0	43.5	43.5	1,001.6	1,141.2	0.0	0.0	10,711.1	8,670.7	2,636.9	2,169.3	12,302.9	9,655.3	12,302.9	9,655.3
Georgia	0.0	0.0	4,283.0	3,874.9	0.0	0.0	1,985.0	1,985.0	1,067.1	1,011.6	0.0	0.0	7,335.1	6,871.5	332.1	306.3	4,615.1	4,181.2	4,615.1	4,181.2
Maryland	190.0	190.0	622.2	560.5	0.0	0.0	514.9	590.0	139.9	139.9	0.0	0.0	1,467.0	1,480.4	1,099.5	1,007.5	1,721.7	1,568.0	1,721.7	1,568.0
North Carolina	208.0	208.0	6,715.2	6,359.7	0.0	0.0	2,010.5	2,011.7	372.1	384.0	0.0	0.0	9,305.8	8,963.4	540.5	453.9	7,255.7	6,813.6	7,255.7	6,813.6
South Carolina	0.0	0.0	1,573.5	1,491.6	0.0	0.0	1,294.0	1,305.0	465.7	450.7	0.0	0.0	3,333.2	3,247.3	402.1	369.0	1,975.6	1,860.6	1,975.6	1,860.6
Virginia	12.0	12.0	3,927.5	2,877.0	0.0	0.0	866.6	866.6	738.3	802.2	0.0	0.0	5,644.4	4,557.8	640.3	432.5	4,567.8	3,309.5	4,567.8	3,309.5
West Virginia	855.2	855.2	118.9	0.0	0.0	0.0	340.8	340.8	3.2	3.2	0.0	0.0	1,318.1	1,199.2	40.2	31.5	159.1	31.5	159.1	31.5
East South Central	213.6	29.1	2,127.0	1,533.3	0.0	0.0	7,037.8	7,037.8	1,134.5	1,166.4	0.0	0.0	10,512.9	9,766.6	190.8	153.9	2,317.8	1,687.2	2,317.8	1,687.2
Alabama	0.0	0.0	633.5	601.1	0.0	0.0	3,291.8	3,291.8	616.7	644.6	0.0	0.0	4,542.0	4,537.5	NM	NM	NM	NM	NM	NM
Kentucky	0.0	0.0	138.6	79.8	0.0	0.0	1,137.4	1,137.4	70.5	74.5	0.0	0.0	1,346.5	1,291.7	107.5	83.3	246.1	163.1	246.1	163.1
Mississippi	184.5	0.0	754.1	320.6	0.0	0.0	0.0	0.0	302.4	302.4	0.0	0.0	1,241.0	623.0	18.5	13.7	772.6	334.3	772.6	334.3
Tennessee	29.1	29.1	600.8	531.8	0.0	0.0	2,608.6	2,608.6	144.9	144.9	0.0	0.0	3,383.4	3,314.4	49.1	44.3	649.9	576.1	649.9	576.1
West South Central	54,526.4	52,380.4	19,602.9	13,392.2	0.0	0.0	3,004.5	3,016.1	1,075.2	1,088.0	0.0	0.0	78,209.0	69,876.7	3,510.7	2,957.9	23,113.6	16,350.1	23,113.6	16,350.1
Arkansas	0.0	0.0	1,002.6	331.2	0.0	0.0	1,265.2	1,265.2	223.8	227.0	0.0	0.0	2,491.6	1,823.4	307.0	247.0	1,309.6	578.2	1,309.6	578.2
Louisiana	0.0	0.0	644.5	144.5	0.0	0.0	192.0	192.0	422.1	422.1	0.0	0.0	1,258.6	758.6	204.2	179.3	848.7	323.8	848.7	323.8
Oklahoma	12,648.2	12,145.7	167.5	47.5	0.0	0.0	832.1	843.7	76.2	76.2	0.0	0.0	13,724.0	13,113.1	133.1	89.9	300.6	137.4	300.6	137.4
Texas	41,878.2	40,234.7	17,788.3	12,869.0	0.0	0.0	715.2	715.2	353.1	362.7	0.0	0.0	60,734.8	54,181.6	2,866.4	2,441.7	20,654.7	15,310.7	20,654.7	15,310.7
Mountain	17,543.8	16,396.0	15,959.3	11,577.7	474.2	474.2	10,567.4	10,610.2	176.2	175.7	748.3	744.3	45,469.2	39,978.1	6,229.2	5,265.6	22,188.5	16,843.3	22,662.7	17,317.5
Arizona	1,234.5	855.5	3,918.4	2,763.6	295.6	295.6	2,720.7	2,720.7	27.9	27.9	0.0	0.0	8,197.1	6,663.3	2,815.3	2,354.6	6,733.7	5,118.2	7,029.3	5,413.8
Colorado	5,336.7	5,137.7	2,178.8	1,886.6	0.0	0.0	689.7	689.7	28.7	28.7	0.0	0.0	8,233.9	7,742.7	1,152.7	969.2	3,331.5	2,855.8	3,331.5	2,855.8
Idaho	1,128.3	968.3	502.0	402.0	0.0	0.0	2,630.8	2,672.3	84.4	84.4	10.0	10.0	4,355.5	4,137.0	165.6	144.2	667.6	546.2	667.6	546.2
Montana	1,789.6	1,478.9	177.0	97.0	0.0	0.0	2,825.0	2,826.3	6.2	4.6	0.0	0.0	4,797.8	4,406.8	68.9	49.7	245.9	146.7	245.9	146.7
Nevada	150.0	150.0	4,928.4	3,643.3	178.5	178.5	1,051.7	1,051.7	9.8	9.8	659.0	655.0	6,977.4	5,688.3	1,061.4	876.4	5,989.8	4,519.7	6,168.3	4,698.2
New Mexico	4,409.0	4,409.0	1,821.9	1,065.5	0.0	0.0	82.7	82.7	3.2	7.5	8.6	8.6	6,325.4	5,573.3	397.0	353.1	2,218.9	1,418.6	2,218.9	1,418.6
Utah	389.7	389.7	2,190.8	1,627.7	0.1	0.1	259.7	259.7	16.0	12.8	70.7	70.7	2,927.0	2,360.7	548.6	500.8	2,739.4	2,128.5	2,739.4	2,128.5
Wyoming	3,106.0	3,006.9	242.0	92.0	0.0	0.0	307.1	307.1	0.0	0.0	0.0	0.0	3,655.1	3,406.0	19.7	17.6	261.7	109.6	261.7	109.6
Pacific Contiguous	13,751.1	13,483.8	21,026.6	18,379.8	1,005.8	1,005.8	39,95													



Table 6.2.C. Net Summer Capacity of Utility Scale Units Using Primarily Fossil Fuels and by State, July 2024 and 2023 (Megawatts)

Census Division and State	Natural Gas Fired Combined Cycle		Natural Gas Fired Combustion Turbine		Other Natural Gas		Coal		Petroleum Coke		Petroleum Liquids		Other Gases		Total Fossil Fuels	
	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023	July 2024	July 2023
New England	12,623.8	14,332.0	1,295.2	1,581.8	686.5	681.8	533.9	533.9	0.0	0.0	5,957.5	5,418.5	0.0	0.0	21,096.9	22,548.0
Connecticut	3,923.0	3,919.4	584.0	587.6	570.8	557.2	0.0	0.0	0.0	0.0	2,208.7	2,208.7	0.0	0.0	7,286.5	7,272.9
Maine	1,285.7	1,279.7	181.8	181.8	0.0	0.0	0.0	0.0	0.0	0.0	844.7	844.7	0.0	0.0	2,312.2	2,306.2
Massachusetts	4,451.4	6,169.2	513.2	796.2	90.3	99.2	0.0	0.0	0.0	0.0	2,276.8	1,737.8	0.0	0.0	7,331.7	8,802.4
New Hampshire	1,228.5	1,228.5	3.8	3.8	0.0	0.0	533.9	533.9	0.0	0.0	494.2	494.2	0.0	0.0	2,260.4	2,260.4
Rhode Island	1,735.2	1,735.2	12.4	12.4	25.4	25.4	0.0	0.0	0.0	0.0	7.1	7.1	0.0	0.0	1,780.1	1,780.1
Vermont	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	126.0	126.0	0.0	0.0	126.0	126.0
Middle Atlantic	37,337.0	37,247.6	6,951.5	7,098.4	15,939.8	15,154.4	5,382.6	7,374.3	11.6	11.6	5,099.3	5,093.3	114.9	114.9	70,836.7	72,094.5
New Jersey	8,374.0	8,356.5	2,594.0	2,740.5	69.9	73.7	0.0	0.0	11.6	11.6	290.1	290.1	29.0	29.0	11,368.6	11,501.4
New York	9,908.2	9,903.0	2,459.2	2,459.6	9,962.7	9,946.9	0.0	0.0	0.0	0.0	3,463.7	3,473.9	0.0	0.0	25,793.8	25,783.4
Pennsylvania	19,054.8	18,988.1	1,898.3	1,898.3	5,907.2	5,133.8	5,382.6	7,374.3	0.0	0.0	1,345.5	1,329.3	85.9	85.9	33,674.3	34,809.7
East North Central	31,459.1	31,274.1	26,249.4	26,827.3	4,501.6	5,518.6	36,681.3	37,915.2	251.1	249.9	2,269.4	2,255.5	1,015.0	1,050.0	102,426.9	105,090.6
Illinois	5,823.1	5,902.4	10,380.0	10,689.9	373.0	1,409.0	6,694.5	6,853.5	0.0	0.0	659.9	663.5	36.5	36.5	23,967.0	25,554.8
Indiana	3,916.2	3,875.0	3,365.9	3,365.9	851.4	829.0	12,847.2	13,411.1	0.0	0.0	94.9	95.8	545.1	545.1	21,620.7	22,121.9
Michigan	7,691.6	7,365.6	3,570.0	3,896.0	2,513.3	2,540.5	5,801.9	5,801.9	47.2	47.2	432.5	419.3	250.0	250.0	20,306.5	20,320.5
Ohio	10,554.2	10,608.2	5,721.3	5,686.6	101.0	102.2	6,607.5	6,607.5	145.5	144.3	504.8	494.3	183.4	218.4	23,817.7	23,861.5
Wisconsin	3,474.0	3,522.9	3,212.2	3,188.9	662.9	637.9	4,730.2	5,241.2	58.4	58.4	577.3	582.6	0.0	0.0	12,715.0	13,231.9
West North Central	7,047.3	7,073.6	11,708.5	11,575.3	3,759.9	3,655.9	30,360.2	31,144.5	32.0	39.5	3,847.1	3,890.1	8.4	5.6	56,763.4	57,384.5
Iowa	1,741.9	1,752.5	1,210.6	1,113.4	751.2	729.1	4,846.3	4,833.2	32.0	39.5	804.7	935.8	0.0	0.0	9,386.7	9,403.5
Kansas	247.0	266.0	2,208.4	2,199.0	1,400.3	1,392.7	4,524.7	4,521.4	0.0	0.0	548.5	542.3	0.0	0.0	8,928.9	8,921.4
Minnesota	2,532.9	2,532.9	2,545.0	2,545.8	421.9	446.9	3,141.7	3,823.7	0.0	0.0	772.3	772.3	0.0	0.0	9,413.8	10,121.6
Missouri	1,892.5	1,889.2	3,200.8	3,261.0	392.8	391.6	9,714.2	9,714.2	0.0	0.0	1,085.8	1,005.7	0.0	0.0	16,286.1	16,261.7
Nebraska	338.0	338.0	1,107.6	1,106.9	518.4	517.4	3,825.8	3,845.6	0.0	0.0	363.6	359.1	0.0	0.0	6,153.4	6,167.0
North Dakota	0.0	0.0	542.4	454.0	203.9	106.8	3,832.5	3,931.4	0.0	0.0	58.1	60.0	8.4	5.6	4,645.3	4,557.8
South Dakota	295.0	295.0	893.7	895.2	71.4	71.4	475.0	475.0	0.0	0.0	214.1	214.9	0.0	0.0	1,949.2	1,951.5
South Atlantic	65,853.6	65,845.8	32,238.9	31,826.1	14,128.3	14,231.6	34,826.2	36,034.7	83.8	83.8	5,859.1	6,183.0	135.0	135.0	153,124.9	154,340.0
Delaware	1,496.0	1,496.0	314.0	314.0	723.8	723.8	410.0	410.0	0.0	0.0	111.1	111.1	135.0	135.0	3,189.9	3,189.9
District of Columbia	0.0	0.0	20.6	20.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	20.6	20.6
Florida	35,815.0	35,707.4	8,791.0	8,834.0	5,201.3	5,201.3	3,989.7	4,615.7	0.0	0.0	1,610.9	1,631.4	0.0	0.0	55,407.9	55,989.8
Georgia	8,067.0	8,073.2	7,569.1	7,143.5	850.1	850.1	5,780.0	5,780.0	83.8	83.8	1,107.0	1,601.6	0.0	0.0	23,457.0	23,532.2
Maryland	2,745.8	2,766.0	1,675.6	1,675.7	1,210.1	1,210.1	1,273.0	1,758.0	0.0	0.0	1,548.3	1,332.5	0.0	0.0	8,452.8	8,742.3
North Carolina	5,579.0	5,579.0	6,030.5	6,002.5	4,665.7	4,665.7	4,552.0	4,594.0	0.0	0.0	491.0	501.4	0.0	0.0	21,318.2	21,342.6
South Carolina	3,252.0	3,252.0	2,502.7	2,497.0	780.0	883.0	4,749.0	4,789.0	0.0	0.0	242.6	244.6	0.0	0.0	11,526.3	11,665.6
Virginia	8,898.8	8,972.2	4,245.9	4,249.3	581.8	582.1	1,530.1	1,530.0	0.0	0.0	737.2	749.4	0.0	0.0	15,993.8	16,083.0
West Virginia	0.0	0.0	1,089.5	1,089.5	115.5	115.5	12,542.4	12,558.0	0.0	0.0	11.0	11.0	0.0	0.0	13,758.4	13,774.0
East South Central	23,802.8	22,461.4	13,682.0	12,988.0	4,012.2	4,475.8	20,288.5	20,306.5	0.0	0.0	533.9	533.9	0.0	3.8	62,319.4	60,769.4
Alabama	11,172.2	9,828.3	3,307.8	3,307.8	1,883.4	1,852.7	4,728.0	4,728.0	0.0	0.0	42.6	42.6	0.0	3.8	21,134.0	19,763.2
Kentucky	1,791.0	1,763.0	5,599.6	4,905.6	483.0	483.0	9,162.0	9,180.0	0.0	0.0	11.9	11.9	0.0	0.0	17,047.5	16,343.5
Mississippi	8,384.5	8,415.0	1,369.3	1,369.3	1,512.3	2,006.6	1,444.0	1,444.0	0.0	0.0	9.0	9.0	0.0	0.0	12,719.1	13,243.9
Tennessee	2,455.1	2,455.1	3,405.3	3,405.3	133.5	133.5	4,954.5	4,954.5	0.0	0.0	470.4	470.4	0.0	0.0	11,418.8	11,418.8
West South Central	64,784.8	65,978.4	17,216.8	16,964.1	29,101.5	29,703.8	26,698.6	27,078.9	891.4	882.1	754.2	702.7	344.7	213.4	139,792.0	141,523.4
Arkansas	4,605.2	4,616.3	702.8	702.8	824.0	824.0	4,734.0	5,108.7	0.0	0.0	9.0	9.0	0.0	0.0	10,875.0	11,260.8
Louisiana	9,579.0	9,695.8	2,834.2	2,977.1	5,212.6	5,742.9	2,069.5	2,074.1	827.6	818.3	49.7	49.7	167.6	189.6	20,740.2	21,547.5
Oklahoma	7,349.6	8,922.9	1,649.2	1,643.0	5,909.1	5,881.1	3,272.5	3,244.5	0.0	0.0	53.9	66.4	0.0	0.0	18,234.3	19,757.9
Texas	43,251.0	42,743.4	12,030.6	11,641.2	17,155.8	17,255.8	16,622.6	16,651.6	63.8	63.8	641.6	577.6	177.1	23.8	89,942.5	88,957.2
Mountain	23,082.2	23,060.9	10,118.6	9,642.9	3,862.4	3,687.0	21,299.9	21,307.9	52.0	52.0	537.0	510.0	7.8	7.8	58,959.9	58,268.5
Arizona	10,176.6	10,193.6	3,165.8	3,084.8	1,097.6	1,097.6	2,939.0	2,943.0	0.0	0.0	268.5	268.5	0.0	0.0	17,647.5	17,587.5
Colorado	3,193.5	3,193.5	2,661.0	2,701.8	633.4	633.4	3,804.0	3,804.0	0.0	0.0	177.5	150.5	3.0	3.0	10,472.4	10,486.2
Idaho	601.0	562.7	619.2	627.7	16.7	16.7	0.0	0.0	0.0	0.0	5.4	5.4	0.0	0.0	1,242.3	1,212.5
Montana	0.0	0.0	315.8	315.8	237.8	72.2	1,626.5	1,630.5	52.0	52.0	0.0	0.0	1.5	1.5	2,233.6	2,072.0
Nevada	5,703.0	5,703.0	1,629.6	1,185.6	449.1	446.4	740.4	740.4	0.0	0.0	6.0	6.0	0.0	0.0	8,528.1	8,081.4
New Mexico	1,484.1	1,484.1	945.3	945.3	833.7	832.6	1,540.0	1,540.0	0.0	0.0	46.0	46.0	0.0	0.0	4,849.1	4,848.0
Utah	1,830.0	1,830.0	534.6	534.6	337.9	334.1	4,581.0	4,581.0	0.0	0.0	27.8	27.8	0.0	0.0	7,311.3	7,307.5
Wyoming	94.0	94.0	247.3	247.3	256.2	254.0	6,069.0	6,069.0	0.0	0.0	5.8	5.8	3.3	3.3	6,675.6	6,673.4
Pacific Contiguous	26,460.9	26,732.9	12,312.6	12,254.5	4,658.5	5,496.3	727.0	727.0	0.0	0.0	439.0	439.0	213.0	194.6	44,811.0	45,844.3
California	20,415.1	20,711.1	11,469.4	11,411.3	4,399.7	5,240.5	57.0	57.0	0.0	0.0	415.2	415.2	213.0	194.6	36,969.4	38,029.7
Oregon	3,409.2	3,395.2	124.0	124.0	229.2	229.2	0.0	0.0	0.0	0.0	6.6	6.6	0.0	0.0	3,769.0	3,755.0
Washington	2,636.6	2,626.6	719.2	719.2	29.6	26.6	670.0	670.0	0.0	0.0	17.2	17.2	0.0	0.0	4,072.6	4,059.6
Pacific Noncontiguous	374.6	374.6	708.5	721.1	174.4	174.4	167.9	167.9	0.0	0.0	2,726.6	2,727.3	0.0	0.0	4,152.0	4,165.3
Alaska	374.6	374.6	708.5	721.1	174.4	174.4	167.9	167.9	0.0	0.0	746.7	74				

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	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 Gunville Rd Site 1 Solar CSG	NY	66528	18237	5.0	Solar Photovoltaic	SUN	PV
2024	2	65576	AC Power 14, LLC	IPP	NY Lancaster Shisler Rd Site 2 Solar CSG	NY	66529	21013	5.2	Solar Photovoltaic	SUN	PV
2024	2	65061	BPL Sol Solar LLC	IPP	BPL Sol Solar LLC	TX	64260	OCISO	100.0	Solar Photovoltaic	SUN	PV
2024	2	61717	Birch Solar	IPP	Birch Solar	SC	62185	27	2.0	Solar Photovoltaic	SUN	PV
2024	2	65677	Dimension Energy LLC	IPP	Prince Edward CSG LLC	VA	67139	PRINC	4.0	Solar Photovoltaic	SUN	PV
2024	2	65677	Dimension Energy LLC	IPP	White Stone Ocran Solar LLC Community Solar	VA	67138	WHITE	5.0	Solar Photovoltaic	SUN	PV
2024	2	64872	Distributed Solar Development, LLC	IPP	FFP - NY Werner CSG	NY	66829	P5650	5.0	Solar Photovoltaic	SUN	PV
2024	2	65054	Easton CSG 1 LLC	IPP	Easton CSG 1 LLC	ME	65798	ESTON	1.3	Solar Photovoltaic	SUN	PV
2024	2	66239	Entegry Solar El Dorado SD, LLC	IPP	El Dorado AR	AR	67517	63154	1.8	Solar Photovoltaic	SUN	PV
2024	2	60025	Greenbacker Renewable Energy Corporation	IPP	Hay River (Dunn 1)	WI	66993	717	1.5	Solar Photovoltaic	SUN	PV
2024	2	60025	Greenbacker Renewable Energy Corporation	IPP	Popple Creek (Clark 1)	WI	66995	715	2.0	Solar Photovoltaic	SUN	PV



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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 CSG	ME	66833	HUG	2.5	Solar Photovoltaic	SUN	PV
2024	2	61944	MN8 Energy LLC	IPP	NY8 - Teichos Pattersonville	NY	65840	GEN1	20.0	Solar Photovoltaic	SUN	PV
2024	2	61944	MN8 Energy LLC	IPP	Summit - Cicero	NY	66273	GEN1	5.0	Solar Photovoltaic	SUN	PV
2024	2	11479	Madison Gas & Electric Co	Electric Utility	Tyto Solar	WI	67196	1	6.0	Solar Photovoltaic	SUN	PV
2024	2	61153	Montevue Lane Solar, LLC	IPP	Fort Detrick Solar PV	MD	61552	FDSBS	6.0	Batteries	MWH	BA
2024	2	65574	NYSolar03 LLC	IPP	NY Geneseo 3240 W Lake Rd Solar	NY	66526	19372	5.0	Solar Photovoltaic	SUN	PV
2024	2	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	66150	TJA-NY-11202 Ridge Rd Medina, LLC	IPP	Source Power NY III - Medina II (CSG)	NY	66259	P5646	5.0	Solar Photovoltaic	SUN	PV
2024	2	64932	Texas Solar Nova 2, LLC	IPP	Texas Solar Nova 2	TX	65660	TSN2	200.0	Solar Photovoltaic	SUN	PV
2024	2	65755	VESI 23 LLC	IPP	Justin Court Energy Storage	NJ	66758	JC1	20.0	Batteries	MWH	BA
2024	3	64904	AES Clean Energy	IPP	Westport Stone & Sand Solar (CSG)	MA	66447	WESTP	5.0	Solar Photovoltaic	SUN	PV
2024	3	61012	AES Distributed Energy	IPP	AES West Oahu Solar Hybrid	HI	64656	UHBES	12.5	Batteries	MWH	BA
2024	3	61012	AES Distributed Energy	IPP	AES West Oahu Solar Hybrid	HI	64656	UHWO	12.5	Solar Photovoltaic	SUN	PV
2024	3	64996	Arica Solar, LLC	IPP	Arica Solar	CA	65744	ARCBA	136.0	Batteries	MWH	BA
2024	3	64996	Arica Solar, LLC	IPP	Arica Solar	CA	65744	ARCPV	263.0	Solar Photovoltaic	SUN	PV
2024	3	58939	Cameron Wind 1 LLC	IPP	Cameron Wind 1 LLC	TX	59118	SABAL	16.4	Batteries	MWH	BA
2024	3	64624	Cedar Creek Wind, LLC	IPP	Cedar Creek Wind, LLC	ID	65311	CDCRK	160.0	Onshore Wind Turbine	WND	WT
2024	3	3913	City of Colby - (KS)	Electric Utility	Colby City of	KS	1272	9	3.0	Petroleum Liquids	DFO	IC
2024	3	65677	Dimension Energy LLC	IPP	Visalia CSG LLC	CA	66677	VISAL	3.0	Solar Photovoltaic	SUN	PV
2024	3	6455	Duke Energy Florida, LLC	Electric Utility	Mule Creek Renewable Energy Center	FL	65501	PV1	74.9	Solar Photovoltaic	SUN	PV
2024	3	6455	Duke Energy Florida, LLC	Electric Utility	Winquepin Renewable Energy Center	FL	66553	PV1	74.9	Solar Photovoltaic	SUN	PV
2024	3	59380	Enel Green Power NA, Inc.	IPP	Ganado Solar	TX	67284	GBA	70.5	Batteries	MWH	BA
2024	3	66235	Entegriy 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	NV	63352	ARBE1	690.0	Solar Photovoltaic	SUN	PV
2024	3	63117	Gemini Solar	IPP	Gemini Solar	NV	63352	ARPV1	380.0	Batteries	MWH	BA
2024	3	63545	Golden Field Solar III, LLC	IPP	Golden Field Solar III, LLC	CA	63859	RCBA	147.0	Batteries	MWH	BA
2024	3	65575	Grand Island Sunrise LLC	IPP	NY Grand Island 871 Whitehaven Rd Solar	NY	66527	21011	5.0	Solar Photovoltaic	SUN	PV
2024	3	60025	Greenbacker Renewable Energy Corporation	IPP	Athens Ridge	ME	66832	574	2.9	Solar Photovoltaic	SUN	PV
2024	3	60025	Greenbacker Renewable Energy Corporation	IPP	Ogema	WI	67055	706	1.4	Solar Photovoltaic	SUN	PV
2024	3	65076	HEN Infrastructure, L.L.C.	IPP	Diboll BESS	TX	66794	DIBOL	9.9	Batteries	MWH	BA
2024	3	65076	HEN Infrastructure, L.L.C.	IPP	Garden City East BESS	TX	66791	GRDNE	9.9	Batteries	MWH	BA
2024	3	65076	HEN Infrastructure, L.L.C.	IPP	Judkins BESS	TX	66790	JUDKS	9.9	Batteries	MWH	BA
2024	3	65076	HEN Infrastructure, L.L.C.	IPP	Lufkin South BESS	TX	66789	LUFKS	9.9	Batteries	MWH	BA
2024	3	65076	HEN Infrastructure, L.L.C.	IPP	Mineral Wells East BESS	TX	66788	MNWL	9.9	Batteries	MWH	BA
2024	3	65076	HEN Infrastructure, L.L.C.	IPP	Pauline BESS	TX	66784	PAULN	9.9	Batteries	MWH	BA
2024	3	8366	Heber Light & Power Company	Electric Utility	Heber City	UT	7111	14	2.2	Natural Gas Internal Combustion Engine	NG	IC
2024	3	65400	Horus West Virginia 1, LLC	IPP	Blake Solar Plant	WV	66276	US620	80.0	Solar Photovoltaic	SUN	PV
2024	3	9417	Interstate Power and Light Co	Electric Utility	Duane Arnold Solar I (50 MW)	IA	67140	PV1	50.0	Solar Photovoltaic	SUN	PV

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	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	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	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 Solar	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
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



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	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	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	KLNB	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	PLTVW	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	HMF01	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 District	CA	66680	UNIT1	11.7	Natural Gas Internal Combustion Engine	NG	IC
2024	5	65660	Enchanted Rock	IPP	Enchanted Rock Turlock Irrigation District	CA	66680	UNIT2	11.7	Natural Gas Internal Combustion Engine	NG	IC
2024	5	65660	Enchanted Rock	IPP	Enchanted Rock Turlock Irrigation District	CA	66680	UNIT3	11.7	Natural Gas Internal Combustion Engine	NG	IC
2024	5	65660	Enchanted Rock	IPP	Enchanted Rock Turlock Irrigation District	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	66364	Hart Wind, LLC	IPP	Hart Wind	TX	67763	5932	166.4	Onshore Wind Turbine	WND	WT
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
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	HPKS1	10.0	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

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	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	Anemol Energy Storage, LLC	IPP	Anemol Energy Storage	TX	67236	ANEM1	200.0	Batteries	MWH	BA
2024	6	796	Arizona Electric Pwr Coop Inc	Electric Utility	Apache Solar 1	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	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	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	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Cottontail Solar 1	PA	65076	PACT1	20.0	Solar Photovoltaic	SUN	PV
2024	6	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Honeysuckle Solar Farm	IN	65936	INH51	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	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



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	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 Center	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 Center	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	6566	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	Rowland 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	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
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	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

**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	65826	Roadrunner Crossing Wind Farm, LLC	IPP	Roadrunner Wind Farm	TX	66902	5317	256.0	Onshore Wind Turbine	WND	WT
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

NOTES:

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

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

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



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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2024	1	3477	City of Chicopee - (MA)	Electric Utility	Chicopee Hydroelectric Station	MA	50832	1	1.2	Conventional Hydroelectric	WAT	HY
2024	1	3477	City of Chicopee - (MA)	Electric Utility	Chicopee Hydroelectric Station	MA	50832	2	1.2	Conventional Hydroelectric	WAT	HY
2024	1	57033	City of Palo Alto	Electric Utility	City of Palo Alto	CA	57714	GEN1	1.1	Natural Gas Internal Combustion Engine	NG	IC
2024	1	57033	City of Palo Alto	Electric Utility	City of Palo Alto	CA	57714	GEN2	1.1	Natural Gas Internal Combustion Engine	NG	IC
2024	1	57033	City of Palo Alto	Electric Utility	City of Palo Alto	CA	57714	GEN3	1.1	Natural Gas Internal Combustion Engine	NG	IC
2024	1	57033	City of Palo Alto	Electric Utility	City of Palo Alto	CA	57714	GEN4	1.1	Natural Gas Internal Combustion Engine	NG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E1	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E10	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E11	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E12	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E13	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E14	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E15	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E16	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E17	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E18	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E19	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E2	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E20	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E21	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E22	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E23	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E24	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E25	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E26	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E27	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E28	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E29	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E3	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E30	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E4	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E5	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E6	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E7	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E8	0.3	Landfill Gas	LFG	IC
2024	1	59452	Ingenco Renewable Development, LLC	IPP	Wake County LFG Facility	NC	59688	E9	0.3	Landfill Gas	LFG	IC
2024	1	58183	J.R. Simplot Company	Industrial	J.R. Simplot Company	CA	58216	1	3.2	All Other	WH	ST
2024	1	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
2024	4	16899	SERRF Joint Powers Authority	Electric CHP	Southeast Resource Recovery	CA	50837	GEN1	28.0	Municipal Solid Waste	MSW	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	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	Carlls Corner	NJ	2379	CA1	37.6	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	56606	Calpine New Jersey Generation LLC	IPP	Carlls Corner	NJ	2379	CA2	39.2	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	56606	Calpine New Jersey Generation LLC	IPP	Mickleton Station	NJ	8008	MICK	63.7	Natural Gas Fired Combustion Turbine	NG	GT
2024	6	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
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



**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	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

NOTES:

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

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2024	8	64904	AES Clean Energy	IPP	Baldy Mesa 2_Silver Peak Hybrid	CA	66885	SPKBS	25.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	25.0
2024	8	64904	AES Clean Energy	IPP	Baldy Mesa 2_Silver Peak Hybrid	CA	66885	SPKPV	50.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	50.0
2024	8	64904	AES Clean Energy	IPP	Big Spring Solar	MD	66868	BIGSP	2.1	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	8	64904	AES Clean Energy	IPP	Northline Solar	NY	66449	NORTH	4.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.0
2024	8	65646	AFTW Storage, LLC	IPP	Lakeview Battery Storage Facility	CA	66619	AFTW	1.2	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	1.2
2024	8	65600	AP Sunray LLC	IPP	AP Sunray LLC	TX	64258	OCISR	200.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	200.0
2024	8	64446	ASD Cotuit MA Solar LLC	IPP	ASD Cotuit MA Solar LLC	MA	65014	COT1B	2.5	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	2.5
2024	8	64348	ASD Three Rivers Road MA Solar LLC	IPP	Three Rivers Solar LLC	MA	64844	TRB	1.4	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	1.4
2024	8	64348	ASD Three Rivers Road MA Solar LLC	IPP	Three Rivers Solar LLC	MA	64844	TRS	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2024	8	57416	Acciona Energy USA Global, LLC	IPP	AEUG Union Solar, LLC	OH	64660	AUS	325.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	325.0
2024	8	57416	Acciona Energy USA Global, LLC	IPP	Red Tailed Hawk Solar LLC	TX	66157	GEN1	350.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	350.0
2024	8	807	Arkansas Electric Coop Corp	IPP	Woodruff County Solar	AR	66282	PV1	122.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	122.0
2024	8	66432	BT Connolly Storage, LLC	IPP	Connolly BESS	TX	67861	CNLY	125.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	125.0
2024	8	65788	Ben Milam Solar 1 LLC	IPP	Orion I Solar Project	TX	66859	ORN1	200.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	200.0
2024	8	65782	Ben Milam Solar 3 LLC	IPP	Orion III Solar Project	TX	66821	ORN3	250.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	250.0
2024	8	65654	Birch Creek Development	IPP	Kimmel Road Solar, LLC	IL	66632	PV	50.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	50.0
2024	8	66331	Birch Creek Power, LLC	IPP	Altona Solar, LLC	MO	66628	PV	30.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	30.0
2024	8	64266	Blue Jay Solar I, LLC	IPP	Blue Jay Solar I, LLC	TX	64672	BLUJS	210.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	210.0
2024	8	65765	Borden County Battery Energy Storage System LLC	IPP	Borden County BESS	TX	66804	1	150.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	150.0
2024	8	65643	Cald BESS LLC	IPP	Cald BESS	CA	66617	1	100.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	100.0
2024	8	65428	Callisto I Energy Center	IPP	Callisto I Energy Center	TX	66338	CALL1	200.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	223.4
2024	8	66208	Camco International Group, Inc.	IPP	West Point RNG	ID	67436	WPRG	3.2	Other Waste Biomass	OBG	IC	(TS) Construction complete, but not yet in commercial operation	3.2
2024	8	66144	Camino Ramon BR 2600 Solar Project 2020, LLC	IPP	Bishop Ranch - BR 2600	CA	67278	4146B	1.1	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	1.1
2024	8	66144	Camino Ramon BR 2600 Solar Project 2020, LLC	IPP	Bishop Ranch - BR 2600	CA	67278	4146C	0.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	0.5
2024	8	66144	Camino Ramon BR 2600 Solar Project 2020, LLC	IPP	Bishop Ranch - BR 2600	CA	67278	4147R	1.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.2
2024	8	65564	Catalyze Dallas 7750 Dynasty Drive Microgrid, LLC	IPP	TX Dallas 7750 Dynasty Drive	TX	66516	19500	2.3	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.3
2024	8	65514	Catalyze Manteca 730 Spreckels Avenue Microgrid LLC	IPP	CA Manteca 730 Spreckels Ave	CA	66509	18259	1.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.5
2024	8	65514	Catalyze Manteca 730 Spreckels Avenue Microgrid LLC	IPP	CA Manteca 730 Spreckels Ave	CA	66509	B8259	1.5	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	1.5
2024	8	65780	Clearwater Wind III, LLC	IPP	Clearwater Wind III	MT	66811	CW3	100.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	100.0
2024	8	61060	Cypress Creek Renewables	IPP	Buck Run	NY	67634	BUCKR	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	8	59656	Desert Quartzite LLC	IPP	Desert Quartzite	CA	59871	GEN01	300.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	300.0
2024	8	59656	Desert Quartzite LLC	IPP	Desert Quartzite	CA	59871	GEN02	150.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	150.0
2024	8	65677	Dimension Energy LLC	IPP	Tulare CSG LLC	CA	66679	TULAR	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0
2024	8	58970	Ecoplexus, Inc	IPP	Camp San Luis Obispo	CA	63870	CPSLO	1.2	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.2
2024	8	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
2024	8	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
2024	8	65641	EnLink Processing Services, LLC	Industrial	Eunice LA Plant	LA	66615	STG01	4.6	Natural Gas Steam Turbine	NG	ST	(TS) Construction complete, but not yet in commercial operation	4.7
2024	8	65774	Fence Post Solar Project, LLC	IPP	Fence Post Solar Hybrid Project, LLC	TX	66801	FNCBE	72.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	72.0
2024	8	65774	Fence Post Solar Project, LLC	IPP	Fence Post Solar Hybrid Project, LLC	TX	66801	FNCPT	236.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	236.0
2024	8	62856	Forefront Power, LLC	IPP	CA - Amazon - SMF6	CA	65616	20031	2.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.6
2024	8	61194	Generate Capital	IPP	Trinity Freeport	IL	67628	11057	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	8	7140	Georgia Power Co	Electric Utility	Mossy Branch Battery Facility	GA	65018	BESS	65.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	65.0
2024	8	66433	Giga Texas Energy LLC	IPP	GFTX BESS	TX	67860	GFTX	125.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	125.0
2024	8	60025	Greenbacker Renewable Energy Corporation	IPP	IGS OXR1	CA	66603	454	4.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.8
2024	8	60025	Greenbacker Renewable Energy Corporation	IPP	Ledgeview	WI	67056	708	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	8	60025	Greenbacker Renewable Energy Corporation	IPP	Mahany	NY	66750	782	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0
2024	8	66067	Groton BESS 1 LLC	IPP	Groton BESS 1	MA	67185	90911	2.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	2.0
2024	8	66033	Groton BESS 2 LLC	IPP	Groton BESS 2	MA	67162	90910	2.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	2.0
2024	8	65650	Harvest Gold Solar Power, LLC	IPP	Harvest Gold Solar	MS	66623	HGS	99.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	99.0
2024	8	65016	High River Energy Center, LLC	IPP	High River Energy Center, LLC	NY	65765	HR01	90.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	90.0
2024	8	66068	Holden BESS 1 LLC	IPP	Holden BESS 1	MA	67186	90913	5.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	5.0
2024	8	65281	Horus Louisiana 1, LLC	IPP	Elizabeth Solar Plant	LA	66111	US199	125.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	142.8
2024	8	49893	Invenery Services LLC	IPP	Yuma Solar + Storage	AZ	67321	PV1	70.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	70.0
2024	8	63289	Key Capture Energy	IPP	TX15 Limousin Oak Storage	TX	65698	TX15	100.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	100.0
2024	8	50123	Leeward Asset Management, LLC	IPP	White Wing Solar	AZ	60572	GEN01	175.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	175.0
2024	8	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Cottontail Solar 4	PA	65079	PACT4	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2024	8	65984	Longbow BESS, LLC	IPP	Longbow BESS, LLC	TX	67083	LBBS	174.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	174.0
2024	8	65785	Luminace Sunbeam Development Holdings, LLC	IPP	ME Novel Lighthouse - Penobscot	ME	66961	PENOB	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0
2024	8	61944	MN8 Energy LLC	IPP	Dynamic - Enfield Hammett Road	ME	67016	GEN1	4.9	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	4.9
2024	8	61944	MN8 Energy LLC	IPP	Dynamic - Exeter Solar	ME	67015	GEN1	4.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.0
2024	8	61944	MN8 Energy LLC	IPP	WMATA - Cheverly Metro	MD	65959	GEN1	1.9	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.9
2024	8	66120	McCormick NY CSG LLC	IPP	McCormick NY CSG LLC	NY	67248	MCCOR	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0
2024	8	21538	Mohave Electric Cooperative, Inc.	IPP	Mohave Electric Cooperative at Joy Lane	AZ	63554	MSSB1	15.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	15.0
2024	8	12796	Monongahela Power Co	Electric Utility	Rivesville Solar	WV	66900	RIVS	5.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.5
2024	8	62759	National Grid Renewables	IPP	Copperhead Solar, LLC	TX	67019	CHSLR	150.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	150.0
2024	8	62759	National Grid Renewables	IPP	Copperhead Solar, LLC	TX	67019	CHSTG	100.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	100.0
2024	8	61227	Nautilus Solar Solutions	IPP	Beech Road	MD	67405	SC	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2024	8	61227	Nautilus Solar Solutions	IPP	Brewer	ME	67499	SC	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	8	61227	Nautilus Solar Solutions	IPP	Comfort	NY	67406	SC	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2024	8	13683	North Carolina EI Member Corp	Electric Utility	Collier BESS	NC	65248	BAT1	2.5	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	2.5
2024	8	13683	North Carolina EI Member Corp	Electric Utility	Docs Road BESS	NC	65249	BAT1	5.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	5.0
2024	8	13683	North Carolina EI Member Corp	Electric Utility	Five Points BESS	NC	65250	BAT1	5.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	5.0
2024	8	13683	North Carolina EI Member Corp	Electric Utility	Maysville BESS	NC	65240	BAT1	5.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	5.0
2024	8	13683	North Carolina EI Member Corp	Electric Utility	McKinney BESS	NC	65241	BAT1	5.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	5.0
2024	8	13683	North Carolina EI Member Corp	Electric Utility	New Rosewood BESS	NC	65243	BAT1	2.5	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	2.5
2024	8	13683	North Carolina EI Member Corp	Electric Utility	Queens Creek BESS	NC	65244	BAT1	2.5	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	2.5
2024	8	13683	North Carolina EI Member Corp	Electric Utility	Rocky Point BESS	NC	65245	BAT1	5.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	5.0
2024	8	13683	North Carolina EI Member Corp	Electric Utility	Walkers Crossroads BESS	NC	65246	BAT1	5.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	5.0
2024	8	13683	North Carolina EI Member Corp	Electric Utility	Zion Hill BESS	NC	65247	BAT1	5.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	5.0
2024	8	65550												



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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2024	8	65099	Porter Solar, LLC	IPP	Porter Solar, LLC (TX)	TX	65937	PORTR	245.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	245.0
2024	8	65648	Prairie Mist Solar Project, LLC	IPP	Prairie Mist Solar	AR	66625		100.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	109.2
2024	8	65935	Preston Garden LLC	IPP	Preston Garden	MN	67009	PRSTN	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2024	8	65775	RPCA Solar 1, LLC	IPP	Avenue 26 Solar	CA	66809	A26P1	2.6	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.6
2024	8	65775	RPCA Solar 1, LLC	IPP	Avenue 26 Solar	CA	66809	A26P2	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0
2024	8	56215	RWE Renewables Americas, LLC	IPP	Willowbrook Solar I, LLC	OH	63877	WBS	150.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	150.0
2024	8	66003	Reactivate	IPP	Gooseberry Solar, LLC	IL	67106	GEN1	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	8	66003	Reactivate	IPP	North Cottage Grove Solar 1, LLC	IL	67115	GEN1	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	8	66003	Reactivate	IPP	SSC Oswego II LLC	NY	67113	GEN1	4.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.8
2024	8	66003	Reactivate	IPP	Torrence Ave Solar 1 LLC	IL	67114	GEN1	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	8	65934	River Fork Solar, LLC	IPP	River Fork Solar, LLC	MI	67008	RFSLR	149.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	149.0
2024	8	65958	SL Sherman, LLC	IPP	NY SHERMAN 176 W MAIN ST - SL 1	NY	67034	21104	4.7	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	4.7
2024	8	64740	Santa Paula Energy Storage, LLC	IPP	Santa Paula Energy Storage LLC	CA	65397	SP1	30.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	30.0
2024	8	65954	Small Mouth Bass Solar Partners LLC	IPP	Small Mouth Bass Solar	VA	67072	METER	2.4	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.5
2024	8	60520	SoCore Energy LLC	IPP	Macomb 2A	IL	67806	PV1	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
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	(TS) Construction complete, but not yet in commercial operation	2.2
2024	8	17609	Southern California Edison Co	Electric Utility	Cadillac Battery Energy Storage Facility	CA	63326	CAD1	3.5	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	3.5
2024	8	17609	Southern California Edison Co	Electric Utility	Yorktown Battery Energy Storage Facility	CA	63325	YORK1	3.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	3.0
2024	8	66131	Surbrook Solar, LLC	IPP	Surbrook Solar, LLC	MI	67267	SUR10	20.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	20.0
2024	8	66225	TRITEC Americas	IPP	VS BC Pacific Gateway, LLC	CA	66948	VSPRC	1.3	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.4
2024	8	65552	Terra-Gen Operating Co-BESS 2	IPP	Beaumont BESS	CA	66461	GEN1	100.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	116.6
2024	8	57313	Tesla Inc.	Industrial	Austin TX GigaFactory	TX	65070	B05	1.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.2
2024	8	57313	Tesla Inc.	Industrial	Austin TX GigaFactory	TX	65070	B07	1.1	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.1
2024	8	57313	Tesla Inc.	Industrial	Austin TX GigaFactory	TX	65070	C01	1.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.2
2024	8	57313	Tesla Inc.	Industrial	Tesla Reno GigaFactory	NV	64098	3	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2024	8	65685	Tumbleweed Energy Storage, LLC	IPP	Tumbleweed Energy Storage	CA	66666	TWES2	75.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	75.0
2024	8	19499	United Power, Inc	Electric Utility	Davis Battery Storage	CO	67304	DAVBA	11.8	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	11.8
2024	8	65173	United States Solar Corporation	IPP	MN East Regal LLC	MN	66973	MNERL	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2024	8	65173	United States Solar Corporation	IPP	USS Rosewood Solar LLC	MN	67547	USRSW	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2024	8	65173	United States Solar Corporation	IPP	USS Slayton Solar LLC	MN	67548	USSLY	1.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.0
2024	8	65754	VESI 12 LLC	IPP	Bottleneck Energy Storage	CA	66757	BN1	80.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	80.0
2024	8	64966	Vikings Energy Farm, LLC	IPP	Vikings Energy Farm	CA	65711	GEN1	136.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	136.8
2024	9	60797	68SF 8me LLC	IPP	Eland Solar & Storage Center, Phase 1 Hybrid	CA	61168	61168	150.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	150.0
2024	9	60797	68SF 8me LLC	IPP	Eland Solar & Storage Center, Phase 1 Hybrid	CA	61168	68SF8	200.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	200.0
2024	9	63830	7V Solar Ranch, LLC	IPP	7V Solar Ranch	TX	64239	7V1	240.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	240.0
2024	9	64904	AES Clean Energy	IPP	Exeter Renewables 1	RI	67417	EXTR1	10.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	10.0
2024	9	64904	AES Clean Energy	IPP	High Mesa CO	CO	67323	HMESS	10.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	11.2
2024	9	64904	AES Clean Energy	IPP	High Mesa CO	CO	67323	HMSCO	10.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	11.2
2024	9	64904	AES Clean Energy	IPP	McFarland B Solar and Storage	AZ	66637	BESS	150.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	150.0
2024	9	64904	AES Clean Energy	IPP	McFarland B Solar and Storage	AZ	66637	MCFRB	300.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	300.0
2024	9	64904	AES Clean Energy	IPP	Tubolino CSG	NY	67693	TUBOL	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	9	61514	Agilitas Energy, Inc.	IPP	AE-ESS NWS 1, LLC	NY	65239	NWS	4.9	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	9	66338	AI Pastor BESS LLC	IPP	AI Pastor Battery Storage Plant	TX	67721	ALPTR	100.8	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	100.8
2024	9	66143	Alcosta Boulevard BR 15-DD Solar Project 2020, LLC	IPP	Bishop Ranch - BR 15-DD	CA	67277	4657B	0.5	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	0.5
2024	9	66143	Alcosta Boulevard BR 15-DD Solar Project 2020, LLC	IPP	Bishop Ranch - BR 15-DD	CA	67277	4657C	0.4	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.4
2024	9	66143	Alcosta Boulevard BR 15-DD Solar Project 2020, LLC	IPP	Bishop Ranch - BR 15-DD	CA	67277	4657R	0.2	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.2
2024	9	65118	AlphaStruxure Service Co LP	Commercial	Brookville Smart Bus Depot Microgrid	MD	65945	GEN2	0.6	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	0.6
2024	9	65118	AlphaStruxure Service Co LP	Commercial	Brookville Smart Bus Depot Microgrid	MD	65945	GEN3	0.6	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	0.6
2024	9	65700	Atrisco Energy Storage LLC	IPP	Atrisco Energy Storage	NM	66694	ATRES	300.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	300.0
2024	9	65928	Atrisco Solar LLC	IPP	Atrisco Solar LLC	NM	67003	ATRPV	300.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	300.0
2024	9	64516	Azimuth 180 Solar Electric, LLC	IPP	DC Water	DC	67583	DCWAT	1.3	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.3
2024	9	64516	Azimuth 180 Solar Electric, LLC	IPP	Oneida East	NY	67584	ONEID	4.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.8
2024	9	66331	Birch Creek Power, LLC	IPP	Salt Creek Township Solar, LLC	IL	66633	PV	50.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	50.0
2024	9	65696	Brazos Bend BESS, LLC	IPP	Brazos Bend BESS, LLC	TX	66690	BEND	100.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	100.0
2024	9	65694	Bright Arrow Solar, LLC	IPP	Bright Arrow Solar, LLC	TX	66688	BASS	300.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	300.0
2024	9	66174	Carvers Creek, LLC	IPP	Carvers Creek Solar	VA	67342	CARV	54.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	54.9
2024	9	65565	Catalyze Houston Express Lane Microgrid, LLC	IPP	TX Houston 7080 Express Lane	TX	66517	19344	1.9	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	1.9
2024	9	65308	Cattlemen Solar Park LLC	IPP	Cattlemen Solar Park	TX	66168	GEN01	240.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	240.0
2024	9	55934	City of Stockton MUD	Commercial	Regional Wastewater Control Facility	CA	56134	0601	3.0	Petroleum Liquids	DFC	IC	(TS) Construction complete, but not yet in commercial operation	3.0
2024	9	65832	Cottonwood Bayou Solar, LLC	IPP	Cottonwood Bayou Solar	TX	66915	CTW	350.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	350.0
2024	9	34359	Curators of the University of Missouri	Commercial	MU Combined Heat and Power Plant	MO	50969	GEN10	8.0	Natural Gas Steam Turbine	NG	ST	(V) Under construction, more than 50 percent complete	9.0
2024	9	61060	Cypress Creek Renewables	IPP	Breezewood	IL	67633	BREEZ	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	9	61060	Cypress Creek Renewables	IPP	Galt	IL	67636	GALT	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	9	64843	Dakota County, MN	Electric Utility	Bylesby	MN	50328	NOR-1	2.0	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	2.0
2024	9	64843	Dakota County, MN	Electric Utility	Bylesby	MN	50328	SOU-2	2.0	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	2.0
2024	9	65831	Danish Fields Solar, LLC	IPP	Danish Fields Solar, LLC	TX	66914	DAN	600.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	600.0
2024	9	65833	Danish Fields Storage, LLC	IPP	Danish Fields Storage	TX	66916	DANST	150.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	150.0
2024	9	64872	Distributed Solar Development, LLC	IPP	Bishop Ranch - BR 8-P	CA	66800	4976	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2024	9	64872	Distributed Solar Development, LLC	IPP	Bishop Ranch - BR 8-P	CA	66800	4976B	0.5	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	0.5
2024	9	5248	Dominion Energy Inc.	IPP	Madison Solar	VA	66316	MDSO	62.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	62.5
2024	9	17539	Dominion Energy South Carolina, Inc	Electric Utility	Bushy Park Combustion Turbine Facility	SC	66600	CT1	40.3	Natural Gas Fired Combustion Turbine	NG	GT	(U) Under construction, less than or equal to 50 percent complete	65.4
2024	9	66124	Dos Palos Clean Power, LLC	IPP	Dos Palos Clean Power	CA	67287	DOSP	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2024	9	64946	EDPR CA Solar Park LLC	IPP	Sandrine Solar 200	CA	65663	GEN01	100.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	100.0
2024	9	65011	El Sauz Ranch Wind, LLC	IPP	El Sauz Ranch Wind, LLC	TX	65760	ELSAU	301.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	301.0
2024	9	65660	Enchanted Rock	IPP	Enchanted Rock Lodi	CA	66638	LODI	48.0	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	48.0
2024	9	64438	Enel Green Power Roseland Solar, LLC	IPP	Roseland Solar Project, LLC	TX	65028	ROSES	500.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	500.0
2024	9	65556	EnerSmart Chula Vista Sub Station	IPP	EnerSmart Chula Vista Sub Station	CA	66505	CV150	3.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	3.0
2024	9	65556	EnerSmart Chula Vista Sub Station	IPP	EnerSmart Chula Vista Sub Station	CA	66505	CV151	3.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	3.0
2024	9	56201	Engie North America	IPP	Cascade Energy Storage, LLC	CA	61801	10002	25.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	



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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2024	9	60025	Greenbacker Renewable Energy Corporation	IPP	Kosa	NY	66735	783	1.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.5
2024	9	60025	Greenbacker Renewable Energy Corporation	IPP	Lake City	MI	67200	642	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	9	60025	Greenbacker Renewable Energy Corporation	IPP	Morey Road	MI	67199	641	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	9	60025	Greenbacker Renewable Energy Corporation	IPP	N Baker Road	IL	67153	679	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	9	60025	Greenbacker Renewable Energy Corporation	IPP	N Baker Road 2	IL	67152	680	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	9	60025	Greenbacker Renewable Energy Corporation	IPP	N Solon Road (South)	IL	67198	678	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	9	60025	Greenbacker Renewable Energy Corporation	IPP	Upland	MA	67276	703	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	9	65076	HEN Infrastructure, L.L.C.	IPP	CISCO BESS	TX	66795	CISCO	9.9	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	9.9
2024	9	65076	HEN Infrastructure, L.L.C.	IPP	Fallurrias BESS	TX	66792	FALFU	9.9	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	9.9
2024	9	63109	Hales Mills Solar, LLC	IPP	Hales Mills Solar, LLC	NY	63339	09751	3.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	3.0
2024	9	65952	Henry Gibson Solar, LLC	IPP	Henry Gibson Solar	NC	67029	HGS	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0
2024	9	66145	Highland Ave Solar 1, LLC	IPP	Borrego - Highland Ave	MA	67279	6572	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	9	66145	Highland Ave Solar 1, LLC	IPP	Borrego - Highland Ave	MA	67279	6572B	5.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	9	9191	Idaho Power Co	Electric Utility	Black Mesa BESS	ID	66326	1	40.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	40.0
2024	9	9191	Idaho Power Co	Electric Utility	Elmore BESS	ID	66327	1	4.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	4.0
2024	9	9191	Idaho Power Co	Electric Utility	Filer BESS	ID	66328	1	2.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	9	9191	Idaho Power Co	Electric Utility	Franklin Battery Storage	ID	67183	FRBS	60.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	60.0
2024	9	9191	Idaho Power Co	Electric Utility	Hemmingway BESS	ID	66325	1	80.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	80.0
2024	9	9191	Idaho Power Co	Electric Utility	Melba BESS	ID	66329	1	2.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	9	9191	Idaho Power Co	Electric Utility	Weiser BESS	ID	66330	1	3.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	3.0
2024	9	49805	Kennecott Utah Copper	Industrial	Copperton Solar Plant No. 1	UT	64427	CSP1	2.3	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	9	63289	Key Capture Energy	IPP	TX10 Hummingbird Storage	TX	65693	TX10	100.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	100.0
2024	9	65874	Liberty County Solar Project, LLC	IPP	Liberty County Solar Project	TX	67159	LIBCO	100.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	109.9
2024	9	65052	Limestone CSG 1 LLC	IPP	Limestone CSG 1 LLC	ME	65801	LMST1	1.2	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	3.8
2024	9	65053	Limestone CSG 2 LLC	IPP	Limestone CSG 2 LLC	ME	65802	LMST2	1.2	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.9
2024	9	61944	MN8 Energy LLC	IPP	Dynamic - Glenburn Broadway One	ME	67017	GEN1	4.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.9
2024	9	61944	MN8 Energy LLC	IPP	Dynamic - Norridgewock Martin Stream	ME	67012	GEN1	4.9	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	4.9
2024	9	61944	MN8 Energy LLC	IPP	Dynamic - Wales Leeds Junction Road	ME	67011	GEN1	4.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.5
2024	9	65671	Martin County Solar Project, LLC	IPP	Martin County Solar Project, LLC	KY	66646	USMTC	111.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	111.0
2024	9	12320	Merck & Co Inc	Industrial	Elkton	VA	52148	GEN8	2.0	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	2.0
2024	9	63968	Mockingbird Solar Center, LLC	IPP	Mockingbird Solar Center	TX	64347	7777	471.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	471.0
2024	9	65964	Montgomery Ranch Wind Farm, LLC	IPP	Montgomery Ranch Wind Farm, LLC	TX	67095	MR1	202.5	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	202.5
2024	9	65823	Myrtle Solar, LLC	IPP	Myrtle Solar, LLC	TX	66910	MYR	313.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	313.0
2024	9	65830	Myrtle Storage, LLC	IPP	Myrtle Storage	TX	66913	MYRST	150.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	150.0
2024	9	56990	NJR Clean Energy Ventures Corporation	IPP	Norfolk Landfill Solar Project	CT	67483	NRFLK	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2024	9	56990	NJR Clean Energy Ventures Corporation	IPP	Raffia Road Solar Project	CT	67484	FLRFT	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2024	9	66007	NY Pulteney I, LLC	IPP	Chidsey Hill Road Solar	NY	65828	1666	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2024	9	61227	Nautilus Solar Solutions	IPP	Altamont (NY)	NY	67403	SC	2.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.3
2024	9	61227	Nautilus Solar Solutions	IPP	BNRG North Anson	ME	67431	SC	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	9	49896	Nevada Gold Energy, LLC	IPP	TS Power Plant	NV	56224	SOL2	100.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	100.0
2024	9	13491	New York University	Commercial	New York University Central Plant	NY	54808	DE1	2.5	Petroleum Liquids	DFC	IC	(V) Under construction, more than 50 percent complete	2.5
2024	9	13683	North Carolina EI Member Corp	Electric Utility	Archie Horne	NC	67040	BAT1	10.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	10.0
2024	9	13683	North Carolina EI Member Corp	Electric Utility	Butler	NC	67042	BAT1	10.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	10.0
2024	9	13683	North Carolina EI Member Corp	Electric Utility	Davistown-Mercer	NC	67036	BAT1	2.5	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	2.5
2024	9	13683	North Carolina EI Member Corp	Electric Utility	Double Creek	NC	67043	BAT1	5.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	9	13683	North Carolina EI Member Corp	Electric Utility	Fairfield Harbor	NC	67044	BAT1	5.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	9	13683	North Carolina EI Member Corp	Electric Utility	McLauchin	NC	67041	BAT1	15.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	15.0
2024	9	13683	North Carolina EI Member Corp	Electric Utility	Medoc	NC	67037	BAT1	2.5	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	2.5
2024	9	65550	Nova Power, LLC	IPP	Menifee Power Bank	CA	66494	NOVA4	110.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	110.0
2024	9	63331	Organic Energy Solutions, Inc.	Electric CHP	OES Biogas Power	CA	63622	OES01	1.3	Other Waste Biomass	OBG	IC	(TS) Construction complete, but not yet in commercial operation	1.3
2024	9	63331	Organic Energy Solutions, Inc.	Electric CHP	OES Biogas Power	CA	63622	OES02	1.3	Other Waste Biomass	OBG	IC	(TS) Construction complete, but not yet in commercial operation	1.3
2024	9	59967	Phoenix Energy	IPP	North Fork Community Power	CA	60192	NFCP1	1.3	Other Waste Biomass	OBG	IC	(V) Under construction, more than 50 percent complete	1.7
2024	9	59967	Phoenix Energy	IPP	North Fork Community Power	CA	60192	NFCP2	1.3	Other Waste Biomass	OBG	IC	(V) Under construction, more than 50 percent complete	1.7
2024	9	65618	Pickereel Garden LLC	IPP	Pickereel Garden	MN	66578	MNC03	0.9	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	0.9
2024	9	65857	Prescott Wind Energy LLC	IPP	Prescott Wind Farm	IA	66952	PWE	56.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	56.0
2024	9	63082	ProEnergy Services	IPP	Remy Jade Power Station	TX	66604	CTG-7	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	60.5
2024	9	63082	ProEnergy Services	IPP	Remy Jade Power Station	TX	66604	CTG-8	44.5	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	60.5
2024	9	65776	RPCA Solar 7, LLC	IPP	East Cleveland Road Solar	CA	66810	ECLC	3.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	3.0
2024	9	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	9	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	9	66003	Reactivate	IPP	Monee Solar 1, LLC	IL	67107	GEN1	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	9	66003	Reactivate	IPP	Mulberry Solar, LLC	IL	67108	GEN1	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	9	66414	Rivanna Solar	IPP	Rivanna Solar	VA	67846	RIVA	12.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	13.3
2024	9	60217	San Bernardino Valley Mun. Water Dist.	Electric Utility	Waterman Turnout Hydroelectric	CA	60466	WTHF	1.0	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	1.0
2024	9	65626	San Juan Solar I, LLC	IPP	San Juan Solar I	NM	66574	SANS	200.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	200.0
2024	9	65626	San Juan Solar I, LLC	IPP	San Juan Solar I	NM	66574	SJSS	100.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	100.0
2024	9	60520	SoCore Energy LLC	IPP	Caribou Solar	ME	67826	PV1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	9	60520	SoCore Energy LLC	IPP	Harmony Solar Project	IL	67804	PV1	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	9	60520	SoCore Energy LLC	IPP	Madawaska Solar	ME	67807	PV1	4.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.0
2024	9	60520	SoCore Energy LLC	IPP	Rockford Plant	IL	67812	PV1	2.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.0
2024	9	60520	SoCore Energy LLC	IPP	TJX 2021 DG El Paso DC	TX	67827	PV1	1.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.5
2024	9	60520	SoCore Energy LLC	IPP	Unity Solar Project (IL)	IL	67822	PV1	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	9	66396	Solar Powered Ag, LLC	IPP	Corcoran Irrigation District Floating Solar	CA	67818	CIDFL	3.1	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.1
2024	9	17609	Southern California Edison Co	Electric Utility	Cathode (Hinson) BESS	CA	65457	CATH1	100.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	100.0
2024	9	17609	Southern California Edison Co	Electric Utility	Cathode (Hinson) BESS	CA	65457	CATH2	100.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	100.0
2024	9	17609	Southern California Edison Co	Electric Utility	Separator (Etiwanda) BESS	CA	65456	SEPAR	112.5	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	112.5
2024	9	60531	Standard Solar	IPP	Woodville Solar	RI	64530	1	4.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.5
2024	9	60970	SunShare Management	IPP	Buffalo Sun CSG	MN	66070	BUFFS	0.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.9
2024	9	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	9	60970	SunShare Management	IPP	Quarry Sun CSG	MN	66073	QURYS	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2024	9	18454	Tampa Electric Co	Electric Utility	Dover Energy Storage	FL	67120	BESS1	15.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	15.0
2024	9	65552	Terra-Gen Operating Co-BESS 2	IPP	Placerita ESS	CA	66462	GEN1	80.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	88.0
2024	9	65552	Terra-Gen Operating Co-BESS 2	IPP	Sagebrush Solar 2 ESS 59	CA	66950	1	59.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	59.0
2024	9	19499	United Power, Inc	Electric Utility	Frederick Battery Storage	CO	67302	FREBA	7.8	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	7.8
2024	9	66229	Walnut Bend Solar Station	Electric Utility	Walnut Bend Solar Station PV	AR	67504	WN1	100.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	100.0
2024	9	65875	Washington County Solar, LLC	IPP	Washington County Solar	GA	66990	WASH	150.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	150.0
2024	9	65555	West Tambo Clean Power II	IPP	West Tambo Clean Power II	CA	66506	WEST2	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0



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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2024	9	66350	Wigeon Whistle BESS LLC	IPP	Wigeon Whistle Battery Storage Plant	TX	67739	WIDWH	120.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	120.0
2024	9	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	10	61222	174 Power Global Corp.	IPP	Black Hollow Sun, LLC	CO	64745	BHS01	150.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	150.0
2024	10	65684	549 Doles Ridge Rd Solar LLC	IPP	549 Doles Ridge Rd Solar LLC	ME	66665	549DR	4.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.9
2024	10	64904	AES Clean Energy	IPP	Cavalier Solar A2	VA	67421	CAVA2	84.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	84.4
2024	10	66421	BT Signal Ranch, LLC	IPP	BT Signal Ranch	TX	67849	BTS	50.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	50.0
2024	10	66001	Bayou Galion Solar Project, LLC	IPP	Bayou Galion Solar Project	LA	67104	BAYOU	98.1	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	98.1
2024	10	65742	Blue Bird Solar, LLC	IPP	Blue Bird Solar, LLC	MO	66747	BBS	139.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	139.0
2024	10	65694	Bright Arrow Solar, LLC	IPP	Bright Arrow Solar, LLC	TX	66688	BASS1	103.6	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	103.6
2024	10	65962	Catalyze Fort Worth 5200 Gold Spike Drive Microgrid, LLC	IPP	TX Fort Worth 5200 Gold Spike Drive	TX	67058	19599	4.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.0
2024	10	66343	Catalyze Rochelle Wisconsin Drive Microgrid, LLC	IPP	IL Rochelle 975 S. Caron Rd	IL	67714	19578	1.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.5
2024	10	66351	Citadel BESS LLC	IPP	Citadel Battery Storage Plant	TX	67738	CITDL	206.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	206.0
2024	10	1148	City of Baldwin City- (KS)	Electric Utility	Baldwin City Plant No 2	KS	8020	10	2.0	Petroleum Liquids	DFC	IC	(V) Under construction, more than 50 percent complete	2.2
2024	10	1148	City of Baldwin City- (KS)	Electric Utility	Baldwin City Plant No 2	KS	8020	9	2.0	Petroleum Liquids	DFC	IC	(V) Under construction, more than 50 percent complete	2.2
2024	10	20806	City of Windom	Electric Utility	Windom	MN	2023	CAT5	2.8	Petroleum Liquids	DFC	IC	(V) Under construction, more than 50 percent complete	3.1
2024	10	20806	City of Windom	Electric Utility	Windom	MN	2023	CAT6	2.8	Petroleum Liquids	DFC	IC	(V) Under construction, more than 50 percent complete	3.1
2024	10	56769	Consolidated Edison Development Inc.	IPP	Timberland Solar	GA	65892	TSPV	140.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	140.0
2024	10	61060	Cypress Creek Renewables	IPP	Acer	NY	67632	ACER	4.3	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.3
2024	10	61060	Cypress Creek Renewables	IPP	Dakota	IL	67635	DAKOT	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	10	61060	Cypress Creek Renewables	IPP	Grass River	NY	67638	GRASS	4.1	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.1
2024	10	61060	Cypress Creek Renewables	IPP	Meltwater	NY	67640	MELTW	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	10	61060	Cypress Creek Renewables	IPP	Niagara (NY)	NY	67641	NIAGA	4.2	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.2
2024	10	61060	Cypress Creek Renewables	IPP	Skyline	IL	67642	SKYLN	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	10	61060	Cypress Creek Renewables	IPP	Walldog	IL	67646	WALLD	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	10	61610	Delaware River Solar, LLC	IPP	Route 5 & 20 Community Solar Farm	NY	62523	1093	2.3	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.3
2024	10	61610	Delaware River Solar, LLC	IPP	State Route 64N Community Solar Farm	NY	62520	1089	1.2	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.2
2024	10	66677	Dimension Energy LLC	IPP	Kings CSG 3 LLC	CA	66676	KING3	3.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.0
2024	10	64872	Distributed Solar Development, LLC	IPP	Caesar's Atlantic City - POI 1 (Colosseum)	NJ	66813	P5377	1.4	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.4
2024	10	64872	Distributed Solar Development, LLC	IPP	Harrah's Atlantic City - POI 2 (Self Park Garage)	NJ	66831	P5614	1.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.8
2024	10	58468	Dominion Renewable Energy	IPP	Atlanta Farms Solar	OH	65128	43164	199.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	199.6
2024	10	58468	Dominion Renewable Energy	Electric Utility	Quillwort Solar	VA	65318	POWI	18.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	18.0
2024	10	58468	Dominion Renewable Energy	Electric Utility	Sebera Solar	VA	65320	SEBE	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2024	10	5347	Dow Chemical Co	Industrial	Plaquemine Cogeneration Plant	LA	55419	ST6	48.9	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	48.9
2024	10	5347	Dow Chemical Co	Industrial	Plaquemine Cogeneration Plant	LA	55419	ST7	48.9	Natural Gas Fired Combined Cycle	NG	CA	(V) Under construction, more than 50 percent complete	48.9
2024	10	65683	Dublin Street LLC	IPP	Dublin Street LLC	ME	66664	DBLNS	4.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.9
2024	10	5416	Duke Energy Carolinas, LLC	Electric Utility	Lincoln Combustion	NC	7277	17	517.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	536.4
2024	10	6701	El Paso Electric Co	Electric Utility	Chihuahuan Desert Solar	TX	67174	10TXC	10.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	10.0
2024	10	65806	Elk Street Solar LLC	IPP	Elk Street Solar	NY	66886	ES	2.4	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.4
2024	10	65799	Enel Green Power Estonian Solar Project, LLC	IPP	Estonian Solar Project, LLC	TX	66872	BESS	100.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	100.0
2024	10	65799	Enel Green Power Estonian Solar Project, LLC	IPP	Estonian Solar Project, LLC	TX	66872	SOLAR	204.5	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	204.5
2024	10	56201	Engie North America	IPP	Noosa Energy Storage LLC	CA	64531	KOV4A	99.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	99.0
2024	10	56201	Engie North America	IPP	Sierra Energy Storage, LLC	CA	61803	10003	10.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	10.0
2024	10	22500	Energy Kansas Central, Inc	Electric Utility	Osawatomie Solar	KS	67025	PV	4.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.9
2024	10	65097	Gans Solar, LLC	IPP	Gans Solar, LLC	PA	65902	5	14.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	14.0
2024	10	61194	Generate Capital	IPP	Krumkill Road Solar South, LLC	NY	67616	11087	3.8	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	3.8
2024	10	65381	Gravel Pit Solar, LLC	IPP	Gravel Pit Solar, LLC	CT	66268	GPS03	50.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	50.0
2024	10	65381	Gravel Pit Solar, LLC	IPP	Gravel Pit Solar, LLC	CT	66268	GPS04	70.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	70.0
2024	10	60025	Greenbacker Renewable Energy Corporation	IPP	Mars Hill	ME	67154	577	2.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.6
2024	10	60025	Greenbacker Renewable Energy Corporation	IPP	Our Katahdin	ME	67155	696	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	10	60025	Greenbacker Renewable Energy Corporation	IPP	Pine Hill Westport	MA	67156	702	3.3	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.3
2024	10	60025	Greenbacker Renewable Energy Corporation	IPP	Ring Road	MA	67119	686	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	10	60025	Greenbacker Renewable Energy Corporation	IPP	Upland	MA	67276	703B	2.3	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	2.3
2024	10	65451	Grizzly Ridge Solar LLC	IPP	Grizzly Ridge Solar	TX	66410	596	10.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	10.0
2024	10	65076	HEN Infrastructure, L.L.C.	IPP	Pavlov	TX	67493	PAVLV	9.9	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	9.9
2024	10	65076	HEN Infrastructure, L.L.C.	IPP	Russek	TX	67495	RUSSK	9.9	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	9.9
2024	10	65076	HEN Infrastructure, L.L.C.	IPP	Sandlake	TX	67496	SDLKB	9.9	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	9.9
2024	10	62008	Hale Kuawehi Solar LLC	IPP	Hale Kuawehi Solar Hybrid	HI	62529	HKSOL	30.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	30.0
2024	10	63416	Ho'Ohana Solar 1 LLC	IPP	Ho'Ohana Solar 1	HI	63723	H0001	52.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	52.0
2024	10	63416	Ho'Ohana Solar 1 LLC	IPP	Ho'Ohana Solar 1	HI	63723	HESS1	52.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	52.0
2024	10	64924	IP Lumina, LLC	IPP	Lumina Solar Project	TX	65645	LU1BA	160.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	160.0
2024	10	9191	Idaho Power Co	Electric Utility	Hemmingway BESS	ID	66325	HGWP2	36.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	36.0
2024	10	65794	Indiana Crossroads Wind Farm II LLC	IPP	Indiana Crossroads Wind Farm II	IN	66661	GEN01	200.0	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	201.6
2024	10	9210	International Paper Co-Riegelwood	Industrial	International Paper Riegelwood Mill	NC	54656	NO4	40.0	Wood/Wood Waste Biomass	BLO	ST	(U) Under construction, less than or equal to 50 percent complete	40.0
2024	10	9417	Interstate Power and Light Co	Electric Utility	Creston Solar (50 MW)	IA	67536	PV1	50.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	50.0
2024	10	49893	Invenergy Services LLC	IPP	Delilah Solar Energy II LLC	TX	63884	GEN1	310.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	310.0
2024	10	49893	Invenergy Services LLC	IPP	Delilah Solar Energy LLC	TX	63194	GEN1	300.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	300.0
2024	10	49893	Invenergy Services LLC	IPP	Tip Top Solar Energy Center LLC	NM	63028	GEN1	220.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	220.0
2024	10	50123	Leeward Asset Management, LLC	IPP	AVEP BESS	CA	65591	AVEPB	126.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	126.0
2024	10	62842	Lightsources Renewable Energy Asset Management, LLC	IPP	Driver Solar	AR	65736	AKDR1	150.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	150.0
2024	10	61307	Lockheed Martin RMS	Industrial	Lockheed Martin Solar	FL	61694	E6CRT	1.0	Petroleum Liquids	DFC	IC	(P) Planned for installation, but regulatory approvals not initiated	1.0
2024	10	61944	MN8 Energy LLC	IPP	Dynamic - Wales Pond Road	ME	67010	GEN1	4.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.9
2024	10	61944	MN8 Energy LLC	IPP	Spring Lane	PA	67706	GEN1	13.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	13.8
2024	10	65131	Mammoth North, LLC	IPP	Mammoth North Solar	IN	65957	GEN1	400.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	400.0
2024	10	66280	Markum Solar Farm, LLC	IPP	Markum Solar Farm	TX	67580	MKM	161.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	161.0
2024	10	12303	Merck & Co Inc-West Point	Industrial	West Point (PA)	PA	52149	GEN18	2.5	Natural Gas Internal Combustion Engine	NG	IC	(TS) Construction complete, but not yet in commercial operation	2.5
2024	10	65592	Moonshot Solar, LLC	IPP	Moonshot	MS	66544	PGRMS	78.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	78.5
2024	10	56990	NJR Clean Energy Ventures Corporation	IPP	Foul Rift Solar Farm	NJ	67252	FLRFT	15.4	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	15.4
2024	10	61227	Nautilus Solar Solutions	IPP	BNRG Masardis	ME	67427	SC	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	10	61227	Nautilus Solar Solutions	IPP	Exeter Ten	RI	67410	SC	2.8	Solar Photovoltaic	SUN	PV	(U) Under construction	



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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2024	10	66069	Paxton BESS 1 LLC	IPP	Paxton BESS 1	MA	67187	90912	3.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	3.0
2024	10	65347	Pearl River Solar Park, LLC	IPP	Pearl River Solar Park LLC	MS	66239	GEN01	175.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	175.0
2024	10	65098	Pechin Solar, LLC	IPP	Pechin Solar	PA	65903	9	14.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	14.0
2024	10	66367	Pittsburg RV & Boat Storage, LLC	Commercial	Pittsburg RV Solar	CA	67770	30200	2.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.8
2024	10	65282	Prairie Switch Wind LLC	IPP	Prairie Switch Wind LLC	TX	66123	PSW1	163.2	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	163.2
2024	10	66394	Randolph Solar Park LLC	IPP	Brittlebush Solar	AZ	67799	GEN01	200.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	200.0
2024	10	66413	Ray Ranch Solar LLC	IPP	Ray Ranch Solar	TX	67837	RAYRS	255.2	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	255.2
2024	10	66305	Rio Vista Executive Boat & RV Storage, LLC	Commercial	Rio Vista Solar	CA	67648	30200	2.7	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.7
2024	10	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	10	66358	Russell Pacific LLC	IPP	Highway 43 1887-WD	CA	67746	HWY43	2.3	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.3
2024	10	16609	San Diego Gas & Electric Co	Electric Utility	Dark Sky Energy Center	CA	66599	1	7.1	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	7.3
2024	10	60520	SoCore Energy LLC	IPP	Illinois PV Knox 1A	IL	67816	PV1	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	10	60520	SoCore Energy LLC	IPP	Illinois PV Knox 1B	IL	67805	PV1	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	10	64994	SolRiver Capital LLC	IPP	Marble Solar LLC (CSG)	OR	66351	PV1	2.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.9
2024	10	64994	SolRiver Capital LLC	IPP	Wallace Solar LLC (CSG)	OR	66355	PV1	3.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.0
2024	10	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	10	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	10	66361	Stampede Solar Project LLC	IPP	Stampede Solar Hybrid	TX	67762	STMPB	72.2	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	72.2
2024	10	66361	Stampede Solar Project LLC	IPP	Stampede Solar Hybrid	TX	67762	STMPS	255.9	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	255.9
2024	10	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	10	65535	SunVest Solar LLC	IPP	SV CSG German Valley 1 LLC	IL	67687	GEVA1	2.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.0
2024	10	65970	Sunlight Road Solar, LLC	IPP	Sunlight Road Solar	LA	67071	SRS	50.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	50.0
2024	10	65552	Terra-Gen Operating Co-BESS 2	IPP	Sagebrush Solar 2 ESS 40	CA	66949	1	40.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	40.0
2024	10	57313	Tesla Inc.	Industrial	Fremont CA AutoFactory	CA	65072	GA3	1.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.5
2024	10	57313	Tesla Inc.	Industrial	Fremont CA AutoFactory	CA	65072	GVSR5	0.4	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	0.4
2024	10	57313	Tesla Inc.	Industrial	Fremont CA AutoFactory	CA	65072	STAMP	1.2	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.2
2024	10	59598	Tooele Army Depot	IPP	Tooele Army Depot(CSG)	UT	59817	PV2	1.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.5
2024	10	65173	United States Solar Corporation	IPP	Marshall Solar Plus LLC	MN	67545	MARSL	10.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	10.0
2024	10	65173	United States Solar Corporation	IPP	USS Cogburn Solar LLC	CO	66436	USCOG	2.4	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.4
2024	10	65777	Urban Grid Solar	IPP	Alton Post Office Solar	VA	66837	ALPT1	82.1	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	75.1
2024	10	65777	Urban Grid Solar	IPP	Foxglove Solar	VA	66841	FOXG1	75.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	75.0
2024	10	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	10	65645	Wadley Solar, LLC	IPP	Wadley Solar	GA	66626	WADLE	260.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	260.0
2024	10	65667	West Shore Solar LLC	IPP	West Shore Solar LLC	NJ	66761	WS	2.4	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.4
2024	11	65747	AB Newark (Fund IV) Operating, LLC	IPP	AB Newark Solar	NJ	66746	PV1	5.6	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.6
2024	11	64904	AES Clean Energy	IPP	AES ES Alamos 2 LLC	CA	67579	ALMT2	82.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	82.0
2024	11	64904	AES Clean Energy	IPP	Geer Road Solar 1	NY	67418	GEER1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	11	64904	AES Clean Energy	IPP	Geer Road Solar 2	NY	67412	GEER2	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	11	64904	AES Clean Energy	IPP	Mannys Corners Solar 1 LLC	NY	66947	MANNY	4.9	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	4.9
2024	11	64904	AES Clean Energy	IPP	Princeton Solar 1	NY	67414	PRNC1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	11	64904	AES Clean Energy	IPP	Westwing	AZ	67855	WEST2	118.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	118.0
2024	11	65569	Afton Solar LLC	IPP	Afton Solar	NY	66521	18808	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	11	64516	Azimuth 180 Solar Electric, LLC	IPP	Collins (NY)	NY	67582	COLLI	4.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.9
2024	11	65293	Bartonsville Energy Facility, LLC	IPP	Bartonsville Energy Facility, LLC	VA	66133	BTS	130.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	130.0
2024	11	65852	Ben Milam Solar 2 LLC	IPP	Orion II Solar Project	TX	66941	ORN2	250.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	250.0
2024	11	66342	Catalyze Joliet 1101 Cherry Hill Road Microgrid, LLC	IPP	IL Joliet 1101 Cherry Hill Rd	IL	67713	19581	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2024	11	66273	Catalyze Newark Solar Farm 1 Microgrid, LLC	IPP	NY Newark St Rt 31 - Environomics S1	NY	67571	20880	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	11	66283	Catalyze Newark Solar Farm 2 Microgrid, LLC	IPP	NY Newark ST RT 31 - Environomics S2	NY	67586	20654	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2024	11	66288	Catalyze Pombrio Solar Farm 1 Microgrid, LLC	IPP	NY ALTONA MAYOTT - Environomics P1	NY	67599	20641	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	11	66289	Catalyze Pombrio Solar Farm 2 Microgrid, LLC	IPP	NY ALTONA MAYOTT - Environomics P2	NY	67600	20641	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	11	4065	City of Columbus - (OH)	Electric Utility	Jackson Pike WWTP Cogen Engines	OH	67264	1	1.4	Other Waste Biomass	OBG	IC	(V) Under construction, more than 50 percent complete	1.4
2024	11	4065	City of Columbus - (OH)	Electric Utility	Jackson Pike WWTP Cogen Engines	OH	67264	2	1.4	Other Waste Biomass	OBG	IC	(V) Under construction, more than 50 percent complete	1.4
2024	11	10623	City of Lakeland - (FL)	Electric Utility	C D McIntosh Jr	FL	676	IC3	20.0	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	20.0
2024	11	10623	City of Lakeland - (FL)	Electric Utility	C D McIntosh Jr	FL	676	IC4	20.0	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	20.0
2024	11	10623	City of Lakeland - (FL)	Electric Utility	C D McIntosh Jr	FL	676	IC5	20.0	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	20.0
2024	11	10623	City of Lakeland - (FL)	Electric Utility	C D McIntosh Jr	FL	676	IC6	20.0	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	20.0
2024	11	10623	City of Lakeland - (FL)	Electric Utility	C D McIntosh Jr	FL	676	IC7	20.0	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	20.0
2024	11	10623	City of Lakeland - (FL)	Electric Utility	C D McIntosh Jr	FL	676	IC8	20.0	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	20.0
2024	11	59319	Cotton Solar, LLC	IPP	Cotton Solar	SC	59572	PV1	16.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	16.0
2024	11	5109	DTE Electric Company	Electric Utility	Slocum Energy Storage	MI	67758	SLOES	14.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	14.0
2024	11	65677	Dimension Energy LLC	IPP	RB Inyokern Solar WDAT 1203, LLC	CA	67533	INYO1	19.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	19.9
2024	11	65677	Dimension Energy LLC	IPP	RB Inyokern Solar WDAT 1281, LLC	CA	67534	INYO2	11.9	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	11.9
2024	11	64872	Distributed Solar Development, LLC	IPP	Harrah's Atlantic City - POI 1 (Meeting Center and Valet Garage)	NJ	66830	P5376	2.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.3
2024	11	6455	Duke Energy Florida, LLC	Electric Utility	County Line Renewable Energy Center	FL	67049	PV1	74.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.9
2024	11	22500	Energy Kansas Central, Inc	Electric Utility	Osage City Solar	KS	67699	OSAGE	1.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.8
2024	11	6452	Florida Power & Light Co	Electric Utility	Buttonwood	FL	65920	1	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.5
2024	11	6452	Florida Power & Light Co	Electric Utility	Cedar Trail	FL	67672	1	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.5
2024	11	6452	Florida Power & Light Co	Electric Utility	Georges Lake	FL	65907	1	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.5
2024	11	6452	Florida Power & Light Co	Electric Utility	Hendry Isles	FL	65909	1	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.5
2024	11	6452	Florida Power & Light Co	Electric Utility	Honeybell	FL	65921	1	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.5
2024	11	6452	Florida Power & Light Co	Electric Utility	Mitchell Creek	FL	65911	1	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.5
2024	11	6452	Florida Power & Light Co	Electric Utility	Norton Creek	FL	65908	1	74.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	74.5
2024	11	61194	Generate Capital	IPP	Cottage Grove North Solar 1, LLC	IL	67629	11114	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	11	61194	Generate Capital	IPP	Cottage Grove South Solar 1, LLC	IL	67630	11115	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	11	66142	Goose Prairie Solar LLC	IPP	Goose Prairie Solar	WA	67261	GOOSE	80.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	80.0
2024	11	60025	Greenbacker Renewable Energy Corporation	IPP	DIA 9	CO	67201	724	9.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	9.8
2024	11	60025	Greenbacker Renewable Energy Corporation	IPP	Ring Road	MA	67119	686B	2.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	11	60025	Greenbacker Renewable Energy Corporation	IPP	Surrey Road	MI	67197	643	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	11	65572	Greene Community Solar LLC											



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	11	65100	Listonburg Solar, LLC	IPP	Listonburg Solar	PA	65929	8	15.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	15.0
2024	11	61944	MN8 Energy LLC	IPP	Dynamic - Gray Solar	ME	67014	GEN1	4.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.9
2024	11	62915	Madison Energy Holdings LLC	IPP	Bibb Williams	GA	67048	SP324	2.3	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.3
2024	11	66149	Magic Mountain Parkway Solar Project 2023, LLC	IPP	Six Flags Magic Mountain	CA	67283	6569	10.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	10.0
2024	11	66149	Magic Mountain Parkway Solar Project 2023, LLC	IPP	Six Flags Magic Mountain	CA	67283	6569B	2.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	2.0
2024	11	12796	Monongahela Power Co	Electric Utility	Marlowe Solar	WV	66899	MARS	5.8	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.8
2024	11	66300	NY CDG Genesee 1 LLC	IPP	NY ELBA 7195 OAK ORCHARD RD - Genesee 1	NY	67609	21599	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	11	66301	NY CDG Genesee 4 LLC	IPP	NY PAVILION 6464 SHEPARD RD - Genesee 4	NY	67610	21602	4.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.3
2024	11	61227	Nautilus Solar Solutions	IPP	BNRG Norridgewock	ME	67429	SC	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	11	61227	Nautilus Solar Solutions	IPP	Gowans	NY	67442	SC	3.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.8
2024	11	61227	Nautilus Solar Solutions	IPP	Pomham Islander	RI	67447	SC	2.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.5
2024	11	61227	Nautilus Solar Solutions	IPP	Sheesley	NY	67329	SC	4.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.4
2024	11	61227	Nautilus Solar Solutions	IPP	Wolcott Hill (Camden)	NY	67426	SC	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	11	66445	NineDot Holdings, LLC	IPP	Arthur Kill Energy, LLC	NY	67880	ND009	5.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	11	64377	Novel Billie Solar, LLC	IPP	Novel Billie Solar LLC	MN	64865	BULIE	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2024	11	64433	Novel Bo Hu 1 Solar LLC	IPP	Novel Bo Hu 1 Solar LLC	MN	65006	BOHU1	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2024	11	66031	Novel Brock Solar HQ LLC	IPP	Novel Brock Solar LLC	MN	65024	BROCK	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2024	11	66032	Novel Swenson Solar HQ LLC	IPP	Novel Swenson Solar LLC	MN	65025	SWNSN	1.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	1.0
2024	11	64752	Perendale Holdings, LLC	IPP	Perendale Holdings, LLC	NC	65426	GEN1	7.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	7.5
2024	11	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	11	64673	Ross County Solar, LLC	IPP	Ross County Solar, LLC	OH	65343	ROSS	120.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	120.0
2024	11	66358	Russell Pacific LLC	IPP	Nachtigall 1836-WD	CA	67747	NACHT	4.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.6
2024	11	66358	Russell Pacific LLC	IPP	Pistachio Road 1726-WD	CA	67749	TWISS	4.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.8
2024	11	66358	Russell Pacific LLC	IPP	Terry 1818-WD	CA	67748	TERRY	4.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	4.6
2024	11	66418	SBESS TX5 LLC	IPP	Junction BESS	TX	67845	JUTX5	9.9	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	9.9
2024	11	66416	SBESS TX7 LLC	IPP	Farmersville West	TX	67843	FARM	9.9	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	9.9
2024	11	27075	San Diego County Water Auth	IPP	Rancho Penasquitos	CA	56615	G200	4.1	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	4.3
2024	11	66346	Silver Peak Solar, LLC	IPP	Silver Peak	NV	67736	SP1	60.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	60.0
2024	11	66346	Silver Peak Solar, LLC	IPP	Silver Peak	NV	67736	SP2	60.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	60.0
2024	11	66346	Silver Peak Solar, LLC	IPP	Silver Peak	NV	67736	SP3	60.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	60.0
2024	11	60520	SoCore Energy LLC	IPP	City of Atwater NEM	CA	67794	PV1	1.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.5
2024	11	65571	Solitude Solar Dix Duvall Rd Microgrid, LLC	IPP	NY Beaver Dams Dix 1239 Duvall Rd Solar	NY	66523	20149	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	11	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	11	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	11	65535	SunVest Solar LLC	IPP	Lawrence Solar 1 LLC	IL	67681	LAWS1	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	11	65535	SunVest Solar LLC	IPP	Lawrence Solar 2 LLC	IL	67682	LAWS2	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	11	65535	SunVest Solar LLC	IPP	SV CSG Wagner A LLC	IL	67688	WAGNA	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	11	65535	SunVest Solar LLC	IPP	SV CSG Wagner B LLC	IL	67689	WAGNB	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	11	66334	Twin Lakes Solar LLC	IPP	Twin Lakes Solar LLC	IN	67696	TWNLK	150.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	150.0
2024	11	66368	Valley Sun Solar LLC	IPP	Valley Sun Solar	ME	67771	PV1	3.1	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.1
2024	11	65875	Washington County Solar, LLC	IPP	Decatur Solar	GA	67047	GEN1	200.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	200.0
2024	12	61222	174 Power Global Corp.	IPP	Turkey Creek Solar Project	CO	64744	TC001	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2024	12	64904	AES Clean Energy	IPP	AES Bend Solar I, LLC	IL	67719	BEND1	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	12	64904	AES Clean Energy	IPP	AES Bend Solar II, LLC	IL	67718	BEND2	1.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.9
2024	12	64904	AES Clean Energy	IPP	Calhoun County Solar Project	MI	64452	GEN1	125.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	125.0
2024	12	64904	AES Clean Energy	IPP	County Highway Solar 1	NY	67415	CTHW1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	12	64904	AES Clean Energy	IPP	County Highway Solar 2	NY	67416	CTHW2	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	12	64904	AES Clean Energy	IPP	Geer Road Solar 3	NY	67413	GEER3	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	12	64904	AES Clean Energy	IPP	Mamm Creek	CO	67322	MCESS	10.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	11.2
2024	12	64904	AES Clean Energy	IPP	Mamm Creek	CO	67322	MCSO	10.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	11.2
2024	12	64904	AES Clean Energy	IPP	Rexford Solar Farm	CA	64633	20SD8	300.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	300.0
2024	12	64904	AES Clean Energy	IPP	Rexford Solar Farm	CA	64633	20SDB	240.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	240.0
2024	12	64904	AES Clean Energy	IPP	Vermilion Solar I LLC	IL	67716	VERM1	1.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.9
2024	12	9273	AES Indiana	Electric Utility	Pike County Energy Storage	IN	66881	BAT2	200.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	200.0
2024	12	56101	AMERESCO Ox Mountain Energy LLC	IPP	Ameresco Ox Mountain	CA	56895	7	2.8	Landfill Gas	LFG	IC	(P) Planned for installation, but regulatory approvals not initiated	3.0
2024	12	221	Alaska Village Elec Coop, Inc	Electric Utility	Bethel	AK	6566	8	2.9	Petroleum Liquids	DFO	IC	(U) Under construction, less than or equal to 50 percent complete	2.9
2024	12	57079	Ameresco Butte County LLC	IPP	Ameresco Butte County	CA	57771	2	0.2	Landfill Gas	LFG	OT	(T) Regulatory approvals received. Not under construction	0.2
2024	12	66072	Anticline Wind, LLC	IPP	Anticline Wind	WY	67193	AC	124.3	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	124.3
2024	12	61711	Ashley Solar (SC)	IPP	Ashley Solar (SC)	SC	62179	21	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	12	15399	Avangrid Renewables LLC	IPP	True North Solar, LLC	TX	65998	TNS1	237.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	237.5
2024	12	63702	Barbers Point Solar, LLC	IPP	Barbers Point Solar, LLC	HI	64094	BPBA	15.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	15.0
2024	12	63702	Barbers Point Solar, LLC	IPP	Barbers Point Solar, LLC	HI	64094	BPSOL	15.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	15.0
2024	12	65654	Birch Creek Development	IPP	Envoy Solar, LLC	MO	66629	PV	50.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	50.0
2024	12	65654	Birch Creek Development	IPP	Richland Township Solar, LLC	IL	66630	PV	35.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	35.0
2024	12	64744	Boswell Wind, LLC	IPP	Boswell Wind	WY	65403	BOSWW	329.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	329.8
2024	12	63235	Brookfield Renewable Trading and Marketing LP	IPP	AM Wind Repower LLC	CA	66167	63235	27.0	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	27.0
2024	12	58416	California State University, Northridge	Commercial	CSU Northridge Plant	CA	58422	G6PV	0.7	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	0.8
2024	12	65931	Cardinal Solar, LLC	IPP	Cardinal Solar, LLC	PA	67007	CARD	20.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	20.0
2024	12	65567	Catalyze Pasadena 10585 Red Bluff Road Microgrid, LLC	IPP	TX Pasadena 10585 Red Bluff Road Solar	TX	66519	19503	2.3	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.3
2024	12	65568	Catalyze Sunnyvale 367 Long Creek Road Microgrid, LLC	IPP	TX Sunnyvale 367 Long Creek Road Solar	TX	66520	19644	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	12	66129	Cedar Springs Wind IV, LLC	IPP	Cedar Springs Wind IV	WY	67289	CS4	390.4	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	390.4
2024	12	66014	DG Kendall, LLC	IPP	Kendall DG Solar	NY	67141	KEN	5.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	5.0
2024	12	64872	Distributed Solar Development, LLC	IPP	FFP - NY Game Farm	NY	66828	P5652	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	12	64947	EDPR CA Solar Park II LLC	IPP	Sandrine Solar 100	CA	65664	GEN02	200.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	200.0
2024	12	65859	EDPR Scarlet II LLC	IPP	Scarlet II Hybrid	CA	66951	GEN03	200.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	200.0
2024	12	65859	EDPR Scarlet II LLC	IPP	Scarlet II Hybrid	CA	66951	GEN04	150.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	150.0
2024	12	65985	EF NY CDG 010, LLC	IPP	NY Attica 264 Maplewood Rd	NY	67136	20496	3.6	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.6
2024	12	58135	Ecos Energy LLC	IPP	Apple Hill Solar	VT	61037	APPL	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	12	56201												



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	56201	Engie North America	IPP	Paleo	TX	65491	PALEO	200.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	200.0
2024	12	56201	Engie North America	IPP	Pavo	TX	65492	PAVO	175.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	175.0
2024	12	56201	Engie North America	IPP	Tortolas	TX	65493	TORTO	50.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	50.0
2024	12	56201	Engie North America	IPP	Zeya	TX	65880	ZEYA	250.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	250.0
2024	12	65206	Eureka North Solar LLC	IPP	Eureka North Solar	NY	66042	63232	3.5	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.5
2024	12	65205	Eureka South Solar LLC	IPP	Eureka South Solar	NY	66041	63231	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	12	66089	FRP Columbia County Solar, LLC	IPP	Columbia County Solar	FL	67206	COLS	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2024	12	66088	FRP Gadsden County Solar, LLC	IPP	Gadsden County Solar	FL	67205	GADS	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2024	12	66090	FRP Gilchrist County Solar, LLC	IPP	Gilchrist County Solar	FL	67207	GILS	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2024	12	66063	FRP Tupelo Solar, LLC	IPP	Tupelo Solar	FL	67182	TUPS	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2024	12	66125	Foster Clean Power A, LLC	IPP	Foster Clean Power A	CA	67288	BESSA	1.3	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	1.3
2024	12	66125	Foster Clean Power A, LLC	IPP	Foster Clean Power A	CA	67288	FOSTA	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2024	12	66434	Foster Clean Power B, LLC	IPP	Foster Clean Power B	CA	67859	BESSB	1.4	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	1.4
2024	12	66434	Foster Clean Power B, LLC	IPP	Foster Clean Power B	CA	67859	FOTB	4.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.0
2024	12	61194	Generate Capital	IPP	9521 US 14 SOLAR 1, LLC	IL	67622	11110	2.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.0
2024	12	61194	Generate Capital	IPP	Goodenow Road West Solar 1, LLC	IL	67625	11112	2.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.0
2024	12	65680	Hanford BESS LLC	IPP	Lead BESS 1	CA	66660	HAN	99.4	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	99.4
2024	12	65680	Hanford BESS LLC	IPP	Lead BESS 2	CA	66662	BIA	32.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	32.0
2024	12	66091	Harmony Florida Solar II, LLC	IPP	Harmony Florida Solar II	FL	67208	HARS	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2024	12	65655	Harquahala Sun Solar Project	IPP	Harquahala Sun Solar Project	AZ	66670	HARQ1	150.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	150.0
2024	12	65681	Henrietta BESS LLC	IPP	Electrolyte BESS	CA	66661	HEN	99.4	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	99.4
2024	12	66402	Hickory Solar LLC	IPP	Hickory Solar	IL	67786	GEN01	110.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	110.0
2024	12	65829	Hill Solar 1, LLC	IPP	Hill Solar 1, LLC	TX	66912	HS1	405.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	405.0
2024	12	66199	Hopkins Energy LLC	IPP	Hopkins Energy LLC	TX	67424	HOPKS	250.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	250.0
2024	12	66165	iOWN Renewable	IPP	Pome BESS	CA	67299	10101	100.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	100.0
2024	12	64927	iP Lumina II, LLC	IPP	Lumina II Solar Project	TX	65644	LU2BA	160.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	160.0
2024	12	9417	Interstate Power and Light Co	Electric Utility	Duane Arnold Solar II (150MW)	IA	67537	PV1	150.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	150.0
2024	12	49893	Invenery Services LLC	IPP	Diversion Wind Energy LLC	TX	67601	DIV01	98.6	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	98.6
2024	12	49893	Invenery Services LLC	IPP	Diversion Wind Energy LLC	TX	67601	DIV02	102.0	Onshore Wind Turbine	WND	WT	(TS) Construction complete, but not yet in commercial operation	102.0
2024	12	49893	Invenery Services LLC	IPP	Hardin Solar Energy II LLC	OH	63828	GEN1	150.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	150.0
2024	12	49893	Invenery Services LLC	IPP	Maple Flats	IL	66191	65015	250.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	250.0
2024	12	49893	Invenery Services LLC	IPP	Yum Yum Solar LLC	TN	63026	GEN1	147.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	147.0
2024	12	65656	Kiowa County Solar Project, LLC	IPP	Kiowa County Solar Project, LLC	OK	66642	USKWA	100.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.0
2024	12	50123	Leeward Asset Management, LLC	IPP	Chaparral Springs	CA	64864	CHAPB	52.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	52.0
2024	12	50123	Leeward Asset Management, LLC	IPP	Chaparral Springs	CA	64864	CHAPS	102.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	102.0
2024	12	50123	Leeward Asset Management, LLC	IPP	Chaparral Springs	CA	64864	GEN01	72.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	72.0
2024	12	50123	Leeward Asset Management, LLC	IPP	Chaparral Springs	CA	64864	WS3BA	36.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	36.0
2024	12	50123	Leeward Asset Management, LLC	IPP	Morrow Lake Solar	TX	66775	MLPV	200.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	200.0
2024	12	50123	Leeward Asset Management, LLC	IPP	Ridgely Energy Farm	TN	65445	RIGPV	254.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	254.0
2024	12	65277	Leyline Renewable Capital	IPP	HCE Millboro Springs Solar, LLC	VA	66117	MLBS	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	12	65277	Leyline Renewable Capital	IPP	HCE Moran Solar, LLC	VA	66118	MORAN	3.2	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.2
2024	12	65277	Leyline Renewable Capital	IPP	HCE Reams Solar, LLC	VA	66120	REAMS	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	12	65277	Leyline Renewable Capital	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	65277	Leyline Renewable Capital	IPP	HCE Roark Mill Solar, LLC	VA	66122	RKML	3.2	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	3.2
2024	12	66431	Liberty 1 Solar LLC	IPP	Liberty Hybrid Solar and Storage Project	TX	67867	LIB1	67.2	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	67.2
2024	12	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Second Division Solar	TX	65981	TXSD1	100.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	100.0
2024	12	62664	Lock 14 Hydro Partners, LLC	IPP	Heidelberg Hydroelectric Project	KY	62749	1	0.6	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.6
2024	12	62664	Lock 14 Hydro Partners, LLC	IPP	Heidelberg Hydroelectric Project	KY	62749	2	0.6	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.6
2024	12	62664	Lock 14 Hydro Partners, LLC	IPP	Heidelberg Hydroelectric Project	KY	62749	3	0.2	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.2
2024	12	62664	Lock 14 Hydro Partners, LLC	IPP	Heidelberg Hydroelectric Project	KY	62749	4	0.2	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.2
2024	12	62664	Lock 14 Hydro Partners, LLC	IPP	Heidelberg Hydroelectric Project	KY	62749	5	0.6	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.6
2024	12	62664	Lock 14 Hydro Partners, LLC	IPP	Heidelberg Hydroelectric Project	KY	62749	6	0.6	Conventional Hydroelectric	WAT	HY	(V) Under construction, more than 50 percent complete	0.6
2024	12	61752	Lone Star Solar	IPP	Lone Star Solar	SC	62235	49	66.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	66.0
2024	12	61752	Lone Star Solar	IPP	Lone Star Solar	SC	62235	50	66.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	66.0
2024	12	65676	Long Lake Solar, LLC	IPP	Long Lake Solar, LLC	AR	66649	LLS	200.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	200.0
2024	12	66419	ME Fort Fairfield LLC	IPP	ME Fort Fairfield Solar Plant	ME	67842	22085	2.8	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.8
2024	12	61944	MN8 Energy LLC	IPP	Dynamic - Leeds Solar	ME	67013	GEN1	4.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.9
2024	12	62915	Madison Energy Holdings LLC	IPP	Bartow Davidson	GA	66980	SP319	2.6	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	2.6
2024	12	11479	Madison Gas & Electric Co	Electric Utility	Strix Solar	WI	67907	1	6.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	6.0
2024	12	65551	Magruder Solar, LLC	IPP	Magruder Solar	NY	66495	PV1	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	12	65678	Malaga BESS LLC	IPP	Acid BESS	CA	66659	MAL	97.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	97.0
2024	12	56990	NJR Clean Energy Ventures Corporation	IPP	Sicklerville Landfill	NJ	67557	SKLDF	2.3	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.3
2024	12	65862	NY Lodi I, LLC	IPP	Halsey Lane Solar	NY	65827	1795	5.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	5.0
2024	12	62759	National Grid Renewables	IPP	Fayette Solar	OH	67166	FYTSL	45.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	45.0
2024	12	62759	National Grid Renewables	IPP	Fillmore County Solar Project	MN	67168	FILCO	45.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	45.0
2024	12	62759	National Grid Renewables	IPP	Louise Solar	MN	67167	LSSLR	50.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	50.0
2024	12	62759	National Grid Renewables	IPP	Unbridled Solar	KY	67165	UBSLR	160.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	160.0
2024	12	61227	Nautilus Solar Solutions	IPP	BRNG Nicolin	ME	67428	SC	3.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.3
2024	12	61227	Nautilus Solar Solutions	IPP	Exeter Mail	RI	67411	SC	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	12	61227	Nautilus Solar Solutions	IPP	Livingston Crossing	MD	67393	SC	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2024	12	61227	Nautilus Solar Solutions	IPP	Mechanic Street	ME	67396	SC	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2024	12	61227	Nautilus Solar Solutions	IPP	Missile Street	ME	67398	SC	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2024	12	61227	Nautilus Solar Solutions	IPP	North Woods	NY	67437	SC	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	12	62836	Navisun LLC	IPP	ISM Solar Shepherd Acres	ME	67903	SHEPH	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2024	12	62836	Navisun LLC	IPP	Oak Leaf Solar XVI	MA	67901	EARHA	0.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	0.9
2024	12	62836	Navisun LLC	IPP	Oak Leaf Solar XVII	MA	67900	DOOLI	2.9	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.9
2024	12	66445	NineDot Holdings, LLC	IPP	Empire Clean Energy, LLC	NY	67882	ND008	5.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	5.0
2024	12	66445	NineDot Holdings, LLC	IPP	Nelson Clean Energy, LLC	NY	67885	ND005	3.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	3.0
2024	12	66445	NineDot Holdings, LLC	IPP	Nelson Clean Energy, LLC	NY	67885	ND006	5.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	5.0



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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2024	12	14127	Omaha Public Power District	Electric Utility	Standing Bear Lake	NE	64548	3	16.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.1
2024	12	14127	Omaha Public Power District	Electric Utility	Standing Bear Lake	NE	64548	4	16.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.1
2024	12	14127	Omaha Public Power District	Electric Utility	Standing Bear Lake	NE	64548	5	16.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.1
2024	12	14127	Omaha Public Power District	Electric Utility	Standing Bear Lake	NE	64548	6	16.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.1
2024	12	14127	Omaha Public Power District	Electric Utility	Standing Bear Lake	NE	64548	7	16.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.1
2024	12	14127	Omaha Public Power District	Electric Utility	Standing Bear Lake	NE	64548	8	16.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.1
2024	12	14127	Omaha Public Power District	Electric Utility	Standing Bear Lake	NE	64548	9	16.8	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.1
2024	12	14127	Omaha Public Power District	Electric Utility	Turtle Creek	NE	64547	1	221.1	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	264.0
2024	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	PacificCorp	Electric Utility	Rock Creek Wind	WY	67769	1	190.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	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	IPC 25 Solar	CA	67069	CV525	2.4	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.4
2024	12	65946	Quartz Solar, LLC	IPP	Quartz Solar, LLC	AR	67038	QRTZ	135.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	135.0
2024	12	66079	River Trail Solar, LLC	IPP	River Trail Solar, LLC	VA	67218	ENX22	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2024	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	65573	SL Fredonia, LLC	IPP	NY Fredonia 9824 Route 60 Solar	NY	66525	21105	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0
2024	12	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	66352	SMT Ironman BESS LLC	IPP	SMT Ironman Battery Storage Plant	TX	67737	SMTIR	304.0	Batteries	MWH	BA	(TS) Construction complete, but not yet in commercial operation	304.0
2024	12	65304	SR Ailey, LLC	IPP	SR Ailey	GA	66173	AILEY	80.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	80.0
2024	12	66021	SR Albany, LLC	IPP	SR Albany, LLC	TN	67126	ALBNY	4.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.3
2024	12	66020	SR Christiana, LLC	IPP	SR Christiana, LLC	TN	67125	CHRIS	3.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.3
2024	12	66022	SR Lambert I, LLC	IPP	SR Lambert I, LLC	SC	67129	LAMB1	100.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	100.0
2024	12	63778	SR Litchfield, LLC	IPP	SR Litchfield, LLC	CT	64161	LITCH	19.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	19.8
2024	12	66011	SR Monroe, LLC	IPP	SR Monroe, LLC	TN	67133	MONRO	4.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.8
2024	12	66010	SR Panola I, LLC	IPP	SR Panola I, LLC	MS	67132	PANO1	4.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.8
2024	12	66008	SR Panola II, LLC	IPP	SR Panola II, LLC	MS	67130	PANO2	4.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.8
2024	12	66009	SR Panola III, LLC	IPP	SR Panola III, LLC	MS	67131	PANO3	3.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.5
2024	12	65743	SR Russellville, LLC	IPP	SR Russellville	KY	66818	RUSVL	173.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	173.0
2024	12	66024	SR Toombs I, LLC	IPP	SR Toombs, LLC	GA	67127	TOOM1	250.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	250.0
2024	12	66038	SR Warren, LLC	IPP	SR Warren, LLC	KY	67164	WARRN	3.5	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	3.5
2024	12	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	66077	Shifting Sands Solar, LLC	IPP	Shifting Sands Solar, LLC	VA	67216	ENX24	18.8	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	18.8
2024	12	60520	SoCore Energy LLC	IPP	French Road Solar	ME	67802	PV1	2.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.5
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	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	66092	Storey Bend Solar, LLC	IPP	Storey Bend Solar	FL	67209	STOS	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2024	12	64778	Strata Manager, LLC	IPP	Inland Empire Energy Storage	CA	66726	IEESS	70.0	Batteries	MWH	BA	(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	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	(T) Regulatory approvals received. Not under construction	2.0
2024	12	66078	Sunny Rock Solar, LLC	IPP	Sunny Rock Solar, LLC	VA	67217	ENX23	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2024	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	65112	TotalEnergies Distributed Generation, 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
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	65112	TotalEnergies Distributed Generation, LLC	IPP	Zenith Solar	VA	64768	TC001	60.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	60.0
2024	12	66444	Troutdale Grid, LLC	IPP	Sundial (Troutdale) BESS	OR	67869	BTD	200.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	200.0
2024	12	64457	VCP, LLC d/b/a Verogy	IPP	FedEx Middletown	CT	65046	VCP15	2.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	2.0
2024	12	61864	Washington Solar II (SC)	IPP	Washington Solar II (SC)	SC	62344	88	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2024	12	64789	West Memphis Solar, LLC	IPP	West Memphis Solar, LLC	AR	65482	WMEM1	180.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	180.0
2024	12	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	(T) Regulatory approvals received. Not under construction	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	60059	ZGlobal Inc	IPP	Lara 2 Hybrid	CA	67234	LARAB	0.9	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	0.9
2024	12	60059	ZGlobal Inc	IPP	Lara 2 Hybrid	CA	67234	LARAS	0.7	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	0.7
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	59613	BayWa r.e. Solar Projects LLC	IPP	Bluebird Solar LLC	KY	62797	BBIRD	80.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	80.0
2025	1	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	65651	Double Back Diamond Solar Power, LLC	IPP	Double Back Diamond	IL	66624	DBD	592.8	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	592.8
2025	1	66462	Dunns Bridge II Solar and Storage Generation LLC	IPP	Dunns Bridge II Solar	IN	67893	DB2BS	56.3	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	56.3
2025	1	66462	Dunns Bridge II Solar and Storage Generation LLC	IPP	Dunns Bridge II Solar	IN	67893	DB2PV	435.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	435.0
2025	1	6452	Florida Power & Light Co	Electric Utility	Big Water	FL	65912	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2025	1	6452	Florida Power & Light Co	Electric Utility	Fawn	FL	65919	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2025	1	6452	Florida Power & Light Co	Electric Utility	Fox Trail	FL	65916	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2025	1	6452	Florida Power & Light Co	Electric Utility	Green Pasture	FL	65918	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2025	1	6452	Florida Power & Light Co	Electric Utility	Hog Bay	FL	65915	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2025	1	6452	Florida Power & Light Co	Electric Utility	Holopaw	FL	65922	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2025	1	6452	Florida Power & Light Co	Electric Utility	Redlands	FL	65914	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2025	1	6452	Florida Power & Light Co	Electric Utility	Speckled Perch	FL	65913	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5



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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2025	1	6452	Florida Power & Light Co	Electric Utility	Swallowtail	FL	67673	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2025	1	6452	Florida Power & Light Co	Electric Utility	Thomas Creek	FL	65917	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2025	1	61194	Generate Capital	IPP	Freeport 18th Solar	IL	67624	11084	2.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.0
2025	1	61194	Generate Capital	IPP	Lilly Pond Road Solar 1, LLC	IL	67623	11111	2.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.0
2025	1	65693	Graceland Solar, LLC	IPP	Graceland Solar, LLC	TN	66687	GRA1	150.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	150.0
2025	1	60025	Greenbacker Renewable Energy Corporation	IPP	Stockbridge	NY	67254	781	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2025	1	66172	Hat Creek Bioenergy, LLC	IPP	Hat Creek Bioenergy	CA	67360	HAT01	3.0	Wood/Wood Waste Biomass	WDS	OT	(V) Under construction, more than 50 percent complete	3.6
2025	1	64937	Hecate Energy Desert Storage 1 LLC	IPP	Hecate Energy Desert Storage 1 LLC	CA	65635	HEDS1	10.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	10.0
2025	1	64978	Hecate Grid Carris Storage 1 LLC	IPP	Carris Storage 1	CA	65733	HECAR	10.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	10.0
2025	1	66127	Howard University	Electric CHP	CHP Plant	DC	67265	CTG-1	5.3	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	5.7
2025	1	49893	Invenery Services LLC	IPP	Changing Winds	TX	59243	CHAN1	288.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	288.0
2025	1	49893	Invenery Services LLC	IPP	Yuma Solar + Storage	AZ	67321	BESS1	67.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	67.0
2025	1	62836	Navisun LLC	IPP	Southwick Solar, LLC	MA	67904	SOUTH	4.7	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.7
2025	1	34691	Ormat Nevada Inc	IPP	Beowawe	NV	10287	BWSOL	5.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.8
2025	1	65398	Peregrine Energy Storage, LLC	IPP	Peregrine Energy Storage LLC	CA	66286	PERE1	200.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	200.0
2025	1	65093	RPCA Storage 1, LLC	IPP	Industrial Parkway Storage	CA	65897	INPKY	9.8	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	9.8
2025	1	66287	SL Evans, LLC	IPP	NY Evans 7690 SW Blvd - SL Evans Array 1	NY	67589	21106	4.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.3
2025	1	66287	SL Evans, LLC	IPP	NY Evans 7690 SW Blvd - SL Evans Array 2	NY	67590	21107	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2025	1	65957	Solitude Solar New Hartford Oxford Microgrid, LLC	IPP	3715 Oxford RD	NY	67033	20148	3.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.8
2025	1	18315	Sunflower Electric Power Corp	Electric Utility	Russell	KS	67320	1	20.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	20.0
2025	1	18454	Tampa Electric Co	Electric Utility	Lake Mabel Storage	FL	66641	BESS1	40.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	40.0
2025	1	57313	Tesla Inc.	Industrial	Fremont CA AutoFactory	CA	65072	VSR5	0.4	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	0.4
2025	1	20856	Wisconsin Power & Light Co	Electric Utility	Janesville Community Solar	WI	67705	PV1	2.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.3
2025	1	20856	Wisconsin Power & Light Co	Electric Utility	Rock County Customer Hosted Solar	WI	67704	PV1	1.4	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.4
2025	2	65819	Ables Springs Solar, LLC	IPP	Ables Springs Solar & Storage	TX	66905	BESS	100.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	100.0
2025	2	65819	Ables Springs Solar, LLC	IPP	Ables Springs Solar & Storage	TX	66905	SOLAR	151.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	151.0
2025	2	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	2	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	2	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	2	60025	Greenbacker Renewable Energy Corporation	IPP	Moscow	ME	67847	703	58.8	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	58.8
2025	2	60025	Greenbacker Renewable Energy Corporation	IPP	Panther Creek Wind Project	IL	63907	WTGE	54.4	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	54.4
2025	2	65805	GulfStar Power, LLC	IPP	GulfStar Power, LLC	TX	66871	BESS	300.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	300.0
2025	2	65805	GulfStar Power, LLC	IPP	GulfStar Power, LLC	TX	66871	SOLAR	451.6	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	451.6
2025	2	64370	IP Radian, LLC	IPP	IP Radian, LLC	TX	64859	RADBA	160.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	160.0
2025	2	9234	Indiana Municipal Power Agency	Electric Utility	IMPA Richmond 8 Solar Park	IN	66748	RICH8	6.1	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	6.1
2025	2	65947	Northern Orchard Solar PV, LLC	IPP	Northern Orchard Solar PV, LLC	CA	67039	NO1	150.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	150.0
2025	2	65947	Northern Orchard Solar PV, LLC	IPP	Northern Orchard Solar PV, LLC	CA	67039	NOBAT	92.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	92.0
2025	2	62646	Painter Energy Storage, LLC	IPP	Painter Energy Storage	CA	62729	PAIN1	10.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	10.0
2025	2	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
2025	2	56215	RWE Renewables Americas, LLC	IPP	Peyton Creek Wind Farm II	TX	67700	WT2	243.0	Onshore Wind Turbine	WND	WT	(U) Under construction, less than or equal to 50 percent complete	243.0
2025	2	64936	San Jacinto Grid, LLC	IPP	San Jacinto Grid, LLC	CA	65657	HESJG	65.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	65.0
2025	2	65535	SunVest Solar LLC	IPP	SV CSG Bishop 1 LLC	IL	67684	BSHP1	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2025	2	18454	Tampa Electric Co	Electric Utility	Wimauma Storage	FL	66640	BESS1	40.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	40.0
2025	3	60798	69SV 8me LLC	IPP	Eland Solar & Storage Center, Phase 2 Hybrid	CA	61169	61169	150.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	150.0
2025	3	60798	69SV 8me LLC	IPP	Eland Solar & Storage Center, Phase 2 Hybrid	CA	61169	69SV8	200.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	200.0
2025	3	64904	AES Clean Energy	IPP	Triple S Solar I LLC	IL	67717	TRIP1	2.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	2.0
2025	3	15399	Avangrid Renewables LLC	IPP	Camino Solar Hybrid	CA	63508	CSPV1	44.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	44.0
2025	3	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generation Station	ND	57881	31	18.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.8
2025	3	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generation Station	ND	57881	32	18.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.8
2025	3	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generation Station	ND	57881	33	18.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.8
2025	3	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generation Station	ND	57881	34	18.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.8
2025	3	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generation Station	ND	57881	35	18.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.8
2025	3	1307	Basin Electric Power Coop	Electric Utility	Pioneer Generation Station	ND	57881	36	18.3	Natural Gas Internal Combustion Engine	NG	IC	(V) Under construction, more than 50 percent complete	18.8
2025	3	65813	CES Electron Farm One, LLC	IPP	Conflitti Solar	CA	66892	CNFT1	4.4	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.4
2025	3	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	3	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	3	61060	Cypress Creek Renewables	IPP	Gillard	IL	67637	GILLD	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2025	3	61060	Cypress Creek Renewables	IPP	Kinglet	VA	67647	KINGL	5.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	5.0
2025	3	66337	Exus New Mexico	IPP	TAG	NM	67710	TAGB1	50.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	50.0
2025	3	66337	Exus New Mexico	IPP	TAG	NM	67710	TAGS1	140.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	140.0
2025	3	61194	Generate Capital	IPP	Krumkill Road Solar North, LLC	NY	67615	11086	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2025	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
2025	3	60025	Greenbacker Renewable Energy Corporation	IPP	Lobelia 1	IL	67256	811	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2025	3	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	3	50123	Leeward Asset Management, LLC	IPP	Ridgely Energy Farm	TN	65445	RBESS	50.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	50.0
2025	3	66431	Liberty 1 Solar LLC	IPP	Liberty Hybrid Solar and Storage Project	TX	67867	LIB2	65.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	65.0
2025	3	65789	Marion County Solar Project, LLC	IPP	Marion County Solar Project	OH	66860	USMNC	100.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	100.0
2025	3	66316	Northumberland Solar I, LLC	IPP	Northumberland Solar I	PA	67675	ENX33	65.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	65.0
2025	3	34691	Ormat Nevada Inc	IPP	McGinness Hills 3	NV	61912	MHSOL	14.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	14.0
2025	3	64935	Ortega Grid, LLC	IPP	Ortega Grid, LLC	CA	65656	HEORG	20.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	20.0
2025	3	66094	Pleasant Valley Solar, LLC	IPP	Matrix Pleasant Valley	ID	67211	MRPV	200.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	200.0
2025	3	5624	RED-Rochester, LLC	Industrial	RED-Rochester, LLC	NY	10025	49CTG	36.0	Natural Gas Fired Combustion Turbine	NG	GT	(V) Under construction, more than 50 percent complete	42.0
2025	3	66417	SBESS TX6 LLC	IPP	Hidden Lakes	TX	67844	HIDD	9.9	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	9.9
2025	3	65959	SL Sherman II, LLC	IPP	NY SHERMAN 191 W MAIN ST - SL 2	NY	67035	21109	5.0	Solar Photovoltaic	SUN	PV	(TS) Construction complete, but not yet in commercial operation	5.0
2025	3	65071	SloughHouse Solar, LLC	IPP	SloughHouse Solar, LLC	CA	65807	SHS	50.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	50.0
2025	3	60520	SoCore Energy LLC	IPP	Jericho Gravel Solar Farm	VT	67830	PV1	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2025	3	60520	SoCore Energy LLC	IPP	Jericho Landfill Solar Farm	VT	67831	PV1	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2025	3	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
2025	3	64994	SolRiver Capital LLC	IPP	Longleaf Pine Solar LLC	NC	66352	PV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2025	3	64994	SolRiver Capital LLC	IPP	Williams Solar LLC	NC	66356	PV1	5.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	5.0
2025	3	65777	Urban Grid Solar	IPP	Aspen Road Solar	PA	66838	ASPR1	106.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	100.1
2025	3	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	3	65601	Wheatridge East Wind LLC	IPP	Wheatridge East Wind	OR	66560	WREW	200.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	200.0
2025	3	66336	Wild Plains Wind Project, LLC	IPP	WPWP	KS	67722	WPWP	307.2	Onshore Wind Turbine	WND	WT	(V) Under construction, more than 50 percent complete	307.2
2025	4	65997	Amite Solar, LLC	IPP	Amite Solar, LLC	LA	67088	AMITE	100.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	100.0
2025	4	66064	Bexar ESS, LLC	IPP	Bexar ESS	TX	66400	OCBEX	100.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	100.0
2025	4	65673	Blackwell Test Facility, LLC	IPP	Blackwell's Corner Storage Facility	CA	66648	BLKWL	2.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	2.0



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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2025	4	66279	CHI NV Solar LLC	IPP	NV - Nokomis - CHI	NV	67591	CHINV	3.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.0
2025	4	65559	Catalyze Riverside 2356 Fleetwood Drive Microgrid LLC	IPP	CA Riverside 2356 Fleetwood Dr.	CA	66511	18262	2.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	2.0
2025	4	65559	Catalyze Riverside 2356 Fleetwood Drive Microgrid LLC	IPP	CA Riverside 2356 Fleetwood Dr.	CA	66511	B8262	2.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	2.0
2025	4	56769	Consolidated Edison Development Inc.	IPP	Peregrine Solar	TX	65979	PSPV	300.9	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	300.0
2025	4	59774	Crawfordsville Energy LLC	IPP	Crawfordsville Power Plant	IN	1024	8	16.3	Natural Gas Fired Combined Cycle	NG	CS	(T) Regulatory approvals received. Not under construction	16.3
2025	4	5109	DTE Electric Company	Electric Utility	Polaris Solar Park	MI	67757	PLRSP	100.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	100.0
2025	4	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	4	66405	Mordor ES1 LLC	IPP	Mordor ES1	CA	67828	MES1	25.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	25.0
2025	4	66406	Mordor ES2 LLC	IPP	Mordor ES2	CA	67829	MES2	20.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	20.0
2025	4	66321	NY CDG Montgomery 1 LLC	IPP	NY FONDA 182 BOSHART RD - Montgomery 1	NY	67679	21601	5.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	5.0
2025	4	61227	Nautilus Solar Solutions	IPP	KE73	DE	67391	SC	4.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	4.0
2025	4	66422	ORNI 30 LLC	IPP	Arrowleaf Solar and Storage	CA	67850	ALBS1	35.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	35.0
2025	4	66422	ORNI 30 LLC	IPP	Arrowleaf Solar and Storage	CA	67850	ALS1	42.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	42.0
2025	4	65081	Oriana Solar LLC	IPP	Oriana Solar LLC	TX	65849	ORIPV	180.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	180.0
2025	4	66304	PFMD LL Baltimore LLC	IPP	MD BALTIMORE 4851 HOLABIRD AVE	MD	67671	21376	1.8	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.8
2025	4	65869	Prologis Logistics Services Incorporated	IPP	CPA 2132 E Dominguez	CA	66957	PE901	1.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	1.0
2025	4	66348	Silver State South Storage, LLC	IPP	Silver State South Storage	NV	67734	SSSB	200.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	200.0
2025	4	64778	Strata Manager, LLC	IPP	Scatter Wash 1	AZ	67454	SW1	170.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	170.0
2025	4	65535	SunVest Solar LLC	IPP	SV CSG Plato Solar 1 LLC	IL	67683	PLATO	4.3	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	4.3
2025	4	65082	Talitha Energy Project, LLC	IPP	Talitha Energy Project, LLC	TX	65891	TALPV	131.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	131.0
2025	4	65777	Urban Grid Solar	IPP	Jones Farm Solar	MD	66842	JONF1	64.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	64.0
2025	4	66423	VESI 34 LLC	IPP	Montague Energy Storage	NJ	67851	MONT1	20.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	20.0
2025	4	64545	Vesper Energy Development LLC	IPP	Hornet Solar (TX)	TX	65463	HRNET	600.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	600.0
2025	4	65703	Winfield Solar I, LLC	IPP	Winfield Solar	MO	66696	WINSP	167.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	167.0
2025	5	64244	92JT 8me, LLC	IPP	Big Rock Solar Farm	CA	64636	92JTB	200.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	200.0
2025	5	64904	AES Clean Energy	IPP	McFarland C	AZ	67498	MCFRC	185.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	185.0
2025	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	61012	AES Distributed Energy	IPP	AES Mountain View Solar	HI	66002	MVSB2	7.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	7.0
2025	5	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	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	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	5	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	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	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	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	TWNDA	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	TWNDA	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	Invenery 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	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	(U) Under construction, less than or equal to 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	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	(U) Under construction, less than or equal to 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	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	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 Waiaawa 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 Waiaawa Phase 2 Solar	HI	66066	WAIPV	30.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	30.0
2025	6	65759	Ash Creek	IPP	Ash Creek Solar	TX	66774	78663	408.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	408.9
2025	6	15399	Avangrid Renewables LLC	IPP	Powell Creek Solar	OH	65997	PCS1	150.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	150.0
2025	6	64787	Axial Basin Solar LLC	IPP	Axial Basin Solar	CO	65480	CO505	145.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	145.0
2025	6	66061	BQ Energy Development	IPP	Yeoman Creek	IL	61910	YEOM	7.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	7.0
2025	6	64739	Black Walnut Energy Storage LLC	IPP	Black Walnut Energy Storage LLC	CA	65396	BW1	15.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	15.0
2025	6	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	65515	Catalyze Moss Landing Hilltop Rd Microgrid, LLC	IPP	CA Moss Landing 3040 Hilltop Rd	CA	66510	19616	1.2	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	1.2
2025	6	65515	Catalyze Moss Landing Hilltop Rd Microgrid, LLC	IPP	CA Moss Landing 3040 Hilltop Rd	CA	66510	B9616	1.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	1.0
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	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	(L) Regulatory approvals pending. Not under construction	70.0
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														



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	66059	Hornshadow Solar, LLC	IPP	Hornshadow 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	HHB	32.0	Other Waste Biomass	OBS	ST	(V) Under construction, more than 50 percent complete	36.0
2025	6	65792	IIT Energy Tech Partners, LLC	Commercial	ITT Cogen Facility	IL	52021	GEN3	4.1	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.1
2025	6	65792	IIT Energy Tech Partners, LLC	Commercial	ITT Cogen Facility	IL	52021	GEN4	4.1	Natural Gas Internal Combustion Engine	NG	IC	(P) Planned for installation, but regulatory approvals not initiated	4.1
2025	6	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	IN	66939	WINA	3.3	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	3.3
2025	6	66265	Kuna BESS, LLC	IPP	Kuna BESS	ID	67549	1	150.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	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	63576	MEC North	IPP	MEC North	MI	63911	MECN	500.0	Natural Gas Fired Combined Cycle	NG	CS	(T) Regulatory approvals received. Not under construction	500.0
2025	6	63577	MEC South	IPP	MEC South	MI	63912	MECS	500.0	Natural Gas Fired Combined Cycle	NG	CS	(L) Regulatory approvals pending. Not under construction	500.0
2025	6	12320	Merck & Co Inc	Industrial	Elkton	VA	52148	GEN10	2.0	Natural Gas Internal Combustion Engine	NG	IC	(L) Regulatory approvals pending. Not under construction	2.0
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	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	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	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	(L) Regulatory approvals pending. Not under construction	210.0
2025	6	66152	Sun Streams Expansion, LLC	IPP	Sun Streams 4	AZ	67291	GEN01	300.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	300.0
2025	6	66152	Sun Streams Expansion, LLC	IPP	Sun Streams 4	AZ	67291	GEN02	300.0	Batteries	MWH	BA	(V) Under construction, more than 50 percent complete	300.0
2025	6	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	64457	VCP, LLC db/a Verogy	IPP	Woodstock Solar One	CT	65139	VCP19	3.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	3.0
2025	6	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 Cneter 2	CA	67878	BESS1	50.0	Batteries	MWH	BA	(U) Under construction, less than or equal to 50 percent complete	50.0
2025	7	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	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	61194	Generate Capital	IPP	Dakota Solar 1, LLC	IL	67614	11113	2.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	2.0
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	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	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
2025	7	66076	Sun Ridge Solar, LLC	IPP	Sun Ridge Solar, LLC	VA	67215	ENX25	50.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	50.0
2025	7	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	MPS03	18.8	Natural Gas Internal Combustion Engine	NG	IC	(U) Under construction, less than or equal to 50 percent complete	18.8
2025	7	18454	Tampa Electric Co	Electric Utility	South Tampa Resiliency Project	FL	66920	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	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	66387	Babacomari Solar, LLC	IPP	Babacomari Solar	AZ	67797	BS	160.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	160.0
2025	8	64842	Baron Winds II	IPP	Baron Winds II	NY	65513	BRNW2	113.2	Onshore Wind Turbine	WND	WT	(L) Regulatory approvals pending. Not under construction	113.2
2025	8	66107	Carne Energy Storage, LLC	IPP	Carne Energy Storage, LLC	NM	67230	CS	130.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	130.0
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	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	65476	Gransolar Texas Eight, LLC	IPP	Tokio Solar	TX	66397	TOKIO	158.1	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	175.0
2025	8	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
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	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	8	66460	Koronis Garden LLC	IPP	Koronis Garden	MN	67892	MNC11	1.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	1.0
2025	8	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Big Elk Solar	NE	66113	NEBE1	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
2025	8	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	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	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	(T) Regulatory approvals received. Not under construction	130.0
2025	8	65815	Sunrayer Assets I LLC	IPP	Midpoint Solar, LLC	TX	66897	MIDBA	52.2	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	52.2
2025	8													



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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2025	9	66053	Beehive Energy Storage, LLC	IPP	Beehive Energy Storage	AZ	67184	BHV1	250.0	Batteries	MWH	BA	(T) Regulatory approvals received. Not under construction	250.0
2025	9	63421	Biggs Ford Solar Center, LLC	IPP	Biggs Ford Solar Center	MD	61321	BFSC	15.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	15.0
2025	9	65102	Clear View Solar, LLC	IPP	Clear View Solar	NY	65931	3	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2025	9	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	5248	Dominion Energy Inc.	Electric Utility	Bookers Mill Solar	VA	66314	BMSO	127.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	127.0
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	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
2025	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
2025	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
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	(L) Regulatory approvals pending. 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	(T) Regulatory approvals received. Not under construction	200.0
2025	9	66427	McDowell Creek Solar LLC	IPP	McDowell Creek Solar LLC	NC	67857	MCDDW	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	REVWD	715.0	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	715.0
2025	9	14354	PacifiCorp	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	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	(T) Regulatory approvals received. Not under construction	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	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	BLDMS	150.0	Solar Photovoltaic	SUN	PV	(V) Under construction, more than 50 percent complete	150.0
2025	10	15399	Avangrid Renewables LLC	IPP	Mohawk Solar	NY	64253	S1	90.5	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	90.5
2025	10	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	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	EI 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 1, 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 1, 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	B8233	4.2	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	4.2
2025	10	65562	TJA Off South Main St. Lanesboro, LLC	IPP	MA Lanesboro S. Main St.	MA	66514	B8233	2.5	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	2.5
2025	10	58113	Texas A&M, Utilities & Energy Services	Commercial	Central Utility Plant - Texas A&M	TX	58151	STG03	5.0	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated	5.0
2025	10	63140	Three Rivers Solar Power, LLC	IPP	Three Rivers Solar Power, LLC	ME	63386	3RIVS	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
2025	10	63726	Vistra Zero LLC	IPP	Forest Grove - Dodd	TX	64131	ESS1	1.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	1.0
2025	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	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
2025	11	55983	Luminant Generation Company LLC	IPP	Jayhawk	TX	59806	SOLAR	101.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	101.0
2025	11	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	64169	Prairie Solar LLC	IPP	Prairie Solar LLC	IL	64536	KOV4A	150.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	150.0
2025	11	66087	Quail Ranch Solar and Battery Energy Storage System	IPP	Quail Ranch Solar and BESS	NM	67204	QRBES	100.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	100.0
2025	11	66087	Quail Ranch Solar and Battery Energy Storage System	IPP	Quail Ranch Solar and BESS	NM	67204	QRPV	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2025	11	58846	Southeast Renewable Fuels, LLC	Industrial	SRF Pulp Processing Facility	FL	58997	G1001	20.0	Wood/Wood Waste Biomass	WDS	ST	(U) Under construction, less than or equal to 50 percent complete	20.0
2025	11	64952	Turner Meadow Solar Station, LLC	IPP	Turner Meadow Solar Station	ME	65709	TRNR	20.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	20.0
2025	11	65777	Urban Grid Solar	IPP	Morgnac Solar	MD	66843	MORG1	55.8	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	55.8
2025	12	61222	174 Power Global Corp.	IPP	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	ATL01	300.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	300.0
2025	12	61222	17											



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	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	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	HECHQ	80.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	80.0
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	RRPV	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	A7BS1	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	A7BS2	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	C0513	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	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	Freepoint Commodities LLC	IPP	Shaftsbury Solar	VT	64064	SHAFT	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2025	12	66186	Funston Solar, LLC	IPP	Funston Solar	TX	67359	4666	204.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	204.0
2025	12	65586	GEG PA Solar LLC	IPP	Goonies Solar Project	PA	66547	GOONS	106.7	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	194.0
2025	12	65740	Genesee Solar Energy, LLC	IPP	Genesee Solar Project	MI	66756	GS1	50.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	51.0
2025	12	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	HRSPN	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	Invenenergy 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	Invenenergy 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	Invenenergy Services LLC	IPP	Lovelock Solar	NV	62934	GEN1	190.0	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	190.0
2025	12	65967	Iron Belt Energy Storage Project, LLC	IPP	Iron Belt	TX	67059	1	400.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	400.0
2025	12	10071	Kauai Island Utility Cooperative	Electric Utility	KRS I Anahola Solar Hybrid	HI	58639	BESS8	12.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	12.0
2025	12	10071	Kauai Island Utility Cooperative	Electric Utility	KRS II Koloa Solar	HI	58640	BESS7	12.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	12.0
2025	12	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 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	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	RGSO1	150.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	150.0
2025	12	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Mayapple Solar 1	IN	66138	INMA1	224.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	224.0
2025	12	62842	Lightsource Renewable Energy Asset Management, LLC	IPP	Sycamore Trail Solar	PA	66196	PAST1	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2025	12	63756	Lily Pond Solar, LLC	IPP	Lily Pond Solar, LLC	VA	64134	ENX09	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2025	12	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	58783	Marseilles Land and Water Company	IPP	Marseilles Lock and Dam Hydro	IL	58903	UNIT1	2.6	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	2.6
2025	12	58783	Marseilles Land and Water Company	IPP	Marseilles Lock and Dam Hydro	IL	58903	UNIT2	2.6	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	2.6
2025	12	58783	Marseilles Land and Water Company	IPP	Marseilles Lock and Dam Hydro	IL	58903	UNIT3	2.6	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	2.6
2025	12	58783	Marseilles Land and Water Company	IPP	Marseilles Lock and Dam Hydro	IL	58903	UNIT4	2.6	Conventional Hydroelectric	WAT	HY	(U) Under construction, less than or equal to 50 percent complete	2.6
2025	12	63467	Naturgy Candela DevCo LLC	IPP	Mark Center Solar Project	OH	65050	MRC1	90.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	90.0
2025	12	66234	Nexus Renewables U.S. Inc.	IPP	Bell Creek BESS LLC	TX	67535	ASHU1	200.9	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	200.9
2025	12	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, LLC	VA	65930	10	30.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	30.0
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



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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
2025	12	62023	Skeleton Creek Energy Center	IPP	Skeleton Creek Energy Center Hybrid	OK	62494	SCBAT	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	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#848	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2025	12	63551	SunEast Flat Hill Solar LLC	IPP	SunEast Flat Hill Solar Project	NY	63901	Q#865	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2025	12	63537	SunEast Grassy Knoll Solar LLC	IPP	SunEast Grassy Knoll Solar Project	NY	63863	Q#885	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2025	12	63540	SunEast Highview Solar LLC	IPP	SunEast Highview Solar Project	NY	63866	Q#591	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2025	12	62757	SunEast Hills Solar LLC	IPP	SunEast Hills Solar Project	NY	62895	Q581	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2025	12	63543	SunEast Hilltop Solar LLC	IPP	SunEast Hilltop Solar Project	NY	63868	Q#807	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2025	12	63538	SunEast Limestone Solar LLC	IPP	SunEast Limestone Solar Project	NY	63864	Q#806	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2025	12	63678	SunEast Manchester Solar LLC	IPP	SunEast Manchester Solar Project	NY	64037	Q#913	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2025	12	62698	SunEast Skyline Solar LLC	IPP	SunEast Skyline Solar Project	NY	62816	Q670	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
2025	12	63541	SunEast Tabletop Solar LLC	IPP	SunEast Tabletop Solar Project	NY	63867	Q#869	80.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	80.0
2025	12	63536	SunEast Valley Solar LLC	IPP	SunEast Valley Solar Project	NY	63862	Q#828	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2025	12	62756	SunEast Watkins Road Solar LLC	IPP	SunEast Watkins Road Solar Project	NY	62896	Q586	20.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	20.0
2025	12	64612	Sunnybrook Farm Solar, LLC	IPP	Sunnybrook Farm 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 db/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 db/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
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	Visra 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	Visra 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 Cherry, LLC	IPP	Cherry	CA	63850	CHERY	249.7	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	249.7
2025	12	63528	Westlands Grape, LLC	IPP	Grape	CA	63851	GRAPE	246.4	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	246.4
2025	12	64354	Wilkes Solar, LLC	IPP	Wilkes Solar, LLC	NC	64850	WS	75.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	75.0
2026	1	15399	Avangrid Renewables LLC	IPP	Great Bear Solar, LLC	OH	64073	GBS	46.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	46.0
2026	1	65384	Cartier Energy, LLC	Commercial	Hartford Hospital Cogeneration	CT	52061	GEN5	5.4	Natural Gas Fired Combined Cycle	NG	CC	(P) Planned for installation, but regulatory approvals not initiated	5.5
2026	1	65835	Clean Energy Future - Trumbull, LLC.	IPP	Trumbull Energy Center	OH	66918	GT11	350.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	350.0
2026	1	65835	Clean Energy Future - Trumbull, LLC.	IPP	Trumbull Energy Center	OH	66918	GT12	350.0	Natural Gas Fired Combined Cycle	NG	CT	(U) Under construction, less than or equal to 50 percent complete	350.0
2026	1	65835	Clean Energy Future - Trumbull, LLC.	IPP	Trumbull Energy Center	OH	66918	STG	250.0	Natural Gas Fired Combined Cycle	NG	CA	(U) Under construction, less than or equal to 50 percent complete	250.0
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	Dominion Energy Inc.	Electric Utility	Dulles Solar and Storage	VA	65043	DUSO	100.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	100.0
2026	1	11241	Entergy Louisiana LLC	Electric Utility	Sterlington Solar	LA	66681	STS	49.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	49.0
2026	1	6452	Florida Power & Light Co	Electric Utility	Boardwalk	FL	65885	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2026	1	6452	Florida Power & Light Co	Electric Utility	Kayak	FL	65888	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2026	1	6452	Florida Power & Light Co	Electric Utility	Long Creek	FL	65906	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2026	1	6452	Florida Power & Light Co	Electric Utility	Mare Branch	FL	65905	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2026	1	6452	Florida Power & Light Co	Electric Utility	North Orange	FL	65883	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2026	1	6452	Florida Power & Light Co	Electric Utility	Price Creek	FL	65887	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2026	1	6452	Florida Power & Light Co	Electric Utility	Tenmile Creek	FL	65886	1	74.5	Solar Photovoltaic	SUN	PV	(U) Under construction, less than or equal to 50 percent complete	74.5
2026	1	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	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	Visra 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	Visra 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 db/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	STEBU	43.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	43.0
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	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	TCHEC	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	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



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	3	63289	Key Capture Energy	IPP	KCE NY 10, LLC	NY	66682	NY10	20.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	20.0
2026	3	63289	Key Capture Energy	IPP	KCE NY 29, LLC	NY	66862	NY29	150.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	150.0
2026	3	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	SPRIN	155.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	155.0
2026	4	66180	CPV Rogue's Wind, LLC	IPP	CPV Rogue's Wind, LLC	PA	67348	ROGUE	109.9	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	114.0
2026	4	5248	Dominion Energy Inc.	Electric Utility	Moon Corner Solar	VA	66313	MOCO	60.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	60.0
2026	4	7490	Grand River Dam Authority	Electric Utility	GREC	OK	165	4	416.0	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	433.0
2026	4	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	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	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	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	74.9	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	Hornet Solar LLC	IPP	Hornet Solar	NC	64167	GEN	73.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	73.0
2026	6	61751	Juniper Solar	IPP	Juniper Solar	SC	62234	48	74.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	74.9
2026	6	50123	Leeward Asset Management, LLC	IPP	Portal Ridge Solar A, LLC	CA	60309	GEN01	19.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	19.0
2026	6	66178	Liberty Renewables Incorporated	IPP	Hoffman Falls Wind 2	NY	67346	Q1335	102.5	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	103.5
2026	6	61753	Luz Solar	IPP	Luz Solar	SC	62236	50	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2026	6	61791	Melsam Solar	IPP	Melsam Solar	SC	62280	58	65.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	65.0
2026	6	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</									



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	61808	Rollins Solar	IPP	Rollins Solar	SC	62295	67	74.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	74.9
2026	6	61809	Ross Solar	IPP	Ross Solar	SC	62296	68	74.9	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	74.9
2026	6	63488	Shady Hills Energy Center, LLC	IPP	Shady Hills Combined Cycle Facility	FL	63802	G001	538.3	Natural Gas Fired Combined Cycle	NG	CS	(U) Under construction, less than or equal to 50 percent complete	612.0
2026	6	61830	Shining Sun Solar	IPP	Shining Sun Solar	SC	62309	73	74.4	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	74.0
2026	6	61831	Shorthorn Solar	IPP	Shorthorn Solar	SC	62310	74	60.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	60.0
2026	6	61834	Stamey Solar	IPP	Stamey Solar	SC	62313	77	2.0	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	2.0
2026	6	65815	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	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 El Cajon BESS	CA	66754	EC01	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	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	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	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	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	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	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	Star 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	60666	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	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	WND	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	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	TMSS	17.2	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	17.2
2026	10	64691	West Baldwin Solar Station LLC	IPP	West Baldwin Solar Station	ME	65371	WBSS	17.1	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	17.1
2026	11	63806	26SB 8me LLC	IPP	Bellefield 2 Solar & Energy Storage Farm	CA	64209	26SBA	500.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	500.0
2026	11	63806	26SB 8me LLC	IPP	Bellefield 2 Solar & Energy Storage Farm	CA	64209	26SBB	500.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	500.0
2026	11	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	DISC	400.0	Onshore Wind Turbine	WND	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
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 Wensowith, LLC	IPP	Wensowith Solar Park	TX	67567	WEGSP	145.6	Solar Photovoltaic	SUN	PV	(T) Regulatory approvals received. Not under construction	145.6
2026	11	65455	Hycosolar, LLC	IPP	Hycosolar, 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	SAHS0	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
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	65661	Arco Wind, LLC	IPP	Arco Wind and Solar Project	ID	66651	37565	360.0	Onshore Wind Turbine	WND	WT	(T) Regulatory approvals received. Not under construction	360.0
2026	12	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	PCPW1	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



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	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	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	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	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	63839	Hecate Grid Clermont 1 LLC	IPP	Clermont	NY	64236	CLRMT	100.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	100.0
2026	12	63289	Key Capture Energy	IPP	NY2 Battery	NY	63584	NY2	169.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	169.0
2026	12	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG1	3.4	Offshore Wind Turbine	WND	WS	(P) Planned for installation, but regulatory approvals not initiated	3.4
2026	12	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG2	3.4	Offshore Wind Turbine	WND	WS	(P) Planned for installation, but regulatory approvals not initiated	3.4
2026	12	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG3	3.4	Offshore Wind Turbine	WND	WS	(P) Planned for installation, but regulatory approvals not initiated	3.4
2026	12	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG4	3.4	Offshore Wind Turbine	WND	WS	(P) Planned for installation, but regulatory approvals not initiated	3.4
2026	12	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG5	3.4	Offshore Wind Turbine	WND	WS	(P) Planned for installation, but regulatory approvals not initiated	3.4
2026	12	58804	Lake Erie Energy Development Corp	IPP	Icebreaker Offshore Wind Farm	OH	58941	WTG6	3.4	Offshore Wind Turbine	WND	WS	(P) Planned for installation, but regulatory approvals not initiated	3.4
2026	12	50123	Leeward Asset Management, LLC	IPP	Buena Vista Energy LLC	CA	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	HNYSR	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
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	SRWND	924.0	Offshore Wind Turbine	WND	WS	(L) Regulatory approvals pending. Not under construction	924.0
2026	12	63463	Palomino Solar, LLC	IPP	Palomino Solar	OH	63784	PLMNO	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2026	12	65105	Peeler Solar, LLC	IPP	Peeler Solar, LLC	TX	65932	PEEL2	50.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	50.0
2026	12	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	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	WVE1	180.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	180.0
2026	12	65777	Urban Grid Solar	IPP	Porter Mill Solar	MD	66854	PORM1	46.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	46.0
2027	1	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)	VA	64550	CVOWC	1,265.0	Offshore Wind Turbine	WND	WS	(T) Regulatory approvals received. Not under construction	2,640.0
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	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	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	Westminster 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	Braddock 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	Stark Solar, LLC	OH	66672	AG239	150.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	150.0
2027	3	63786	Tygart LLC	IPP	Tygart Hydropower	WV	64171	1	3.0	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	10.0
2027	3	63786	Tygart LLC	IPP	Tygart Hydropower	WV	64171	2	3.0	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	10.0
2027	3	63786	Tygart LLC	IPP	Tygart Hydropower	WV	64171	3	3.0	Conventional Hydroelectric	WAT	HY	(L) Regulatory approvals pending. Not under construction	10.0
2027	4	65511	Aragon Energy Storage LLC	IPP	Aragon Energy Storage	GA	66431	ARAG1	150.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	150.0
2027	4	64138	Birch Creek Development, LLC (NC)	IPP	Friesian Holdings	NC	60692	PV1	75.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	75.0
2027	4	59966	ESC Harrison County Power	IPP	ESC Harrison County Power	WV	60206	HCCA1	205.4	Natural Gas Fired Combined Cycle	NG	CA	(P) Planned for installation, but regulatory approvals not initiated	207.4
2027	4	59966	ESC Harrison County Power	IPP	ESC Harrison County Power	WV	60206	HCCT1	319.1	Natural Gas Fired Combined Cycle	NG	CT	(P) Planned for installation, but regulatory approvals not initiated	371.5
2027	4	65837	Freestone Solar LLC	IPP	Timber Cove Solar	TX	66922	59957	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2027	4	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	Lightsource Renewable Energy Asset Management, LLC	IPP	Merrillville Solar	IN	66114	INRD1	100.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	100.0
2027	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	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	65079	Solar Proponent LLC	IPP	Middlebrook Creek Solar and BESS	TX	6							



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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code	Status	Nameplate Capacity (MW)
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	65687	Accalia Point Solar, LLC	IPP	Accalia Point Solar, LLC	TX	66673		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	DFC	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	DFC	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	DFC	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	DFC	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	DFC	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
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	RDYPV	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	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	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	VCP51	2.5	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	2.5
2027	6	64387	Sandy Creek Solar LLC	IPP	Sandy Creek Solar	NY	64913	GEN1	20.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	20.0
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	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	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	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	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	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						



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	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	90FI 8me, LLC	IPP	Kingsley Solar Farm	CA	64634	90FIB	225.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	225.0
2027	12	64245	90FI 8me, LLC	IPP	Kingsley Solar Farm	CA	64634	90FIB	74.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	74.0
2027	12	64904	AES Clean Energy	IPP	Empire Solar (NY)	NY	66663	EMPIR	125.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	125.0
2027	12	64615	Antares Group Inc	IPP	Elm Spring Solar 1	VA	65313	ES	3.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	3.0
2027	12	64615	Antares Group Inc	IPP	Shenvalee Solar	VA	65312	SV	3.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	3.0
2027	12	64736	Beartooth Energy Storage, LLC	IPP	Beartooth Energy Storage LLC	MT	65407	BEAR1	50.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	50.0
2027	12	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	64389	ConnectGen Chautauqua County LLC	IPP	South Ripley Solar	NY	64911	CSRB1	20.0	Batteries	MWH	BA	(L) Regulatory approvals pending. Not under construction	20.0
2027	12	64389	ConnectGen Chautauqua County LLC	IPP	South Ripley Solar	NY	64911	CSRS1	270.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	270.0
2027	12	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	58765	FGE Texas I LLC	IPP	FGE Texas I	TX	58931	CA1	249.9	Natural Gas Fired Combined Cycle	NG	CA	(T) Regulatory approvals received. Not under construction	265.2
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	238.9
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	238.9
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	482.8
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	482.8
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	49893	Invenenergy 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	Invenenergy 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	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	61596	Lincoln Land Energy Center LLC	IPP	Lincoln Land Energy Center	IL	62022	GEN1	520.0	Natural Gas Fired Combined Cycle	NG	CS	(P) Planned for installation, but regulatory approvals not initiated	638.4
2027	12	65812	Lumberton PV I, LLC	IPP	Lumberton PV I, LLC	TX	66904	LBTN	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2027	12	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN10	37.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2027	12	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN11	37.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2027	12	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN12	37.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2027	12	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN7	37.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2027	12	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN8	37.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2027	12	65493	Navajo Transitional Energy Company	Electric Utility	NTEC Gas Plant	NM	66478	GEN9	37.6	Natural Gas Fired Combustion Turbine	NG	GT	(L) Regulatory approvals pending. Not under construction	60.5
2027	12	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 I LLC	IPP	Albatross Solar, LLC	TX	66894	ALBBA	50.4	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	50.4
2027	12	65815	Sunrayer Assets I LLC	IPP	Albatross Solar, LLC	TX	66894	ALBPV	101.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	101.0
2027	12	65815	Sunrayer Assets I LLC	IPP	Lupinus Solar 2, LLC	TX	66896	LP2BA	122.9	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	122.9
2027	12	65815	Sunrayer Assets I LLC	IPP	Lupinus Solar 2, LLC	TX	66896	LP2PV	244.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	244.0
2027	12	18642	Tennessee Valley Authority	Electric Utility	Lawrence County Solar	AL	67233	SOL1	193.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	193.0
2027	12	65777	Urban Grid Solar	IPP	Fairview Solar (AR)	AR	66851	FAIR1	75.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	75.0
2027	12	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	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	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	Eytheson Solar	TX	66398	EYTCH	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	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 LLC	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	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



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	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	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	67877	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	13902	NorthWestern Energy (MT Hydro)	Electric Utility	Hauser	MT	2185	HAU9	3.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	3.5
2028	6	61906	Rye Development	IPP	Arkabutla Lake Hydroelectric Project	MS	62402	NA1	1.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.5
2028	6	61906	Rye Development	IPP	Grays Landing L&D Hydroelectric Project	PA	62388	NA1	4.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	6.0
2028	6	61906	Rye Development	IPP	Overton Hydroelectric Project	LA	62391	NA1	5.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	8.1
2028	6	61906	Rye Development	IPP	Overton Hydroelectric Project	LA	62391	NA2	5.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	8.1
2028	7	65821	Hecate Grid Intrepid 1 LLC	IPP	Hecate Grid Intrepid	NY	66911	HGIN1	250.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	250.0
2028	7	65821	Hecate Grid Intrepid 1 LLC	IPP	Hecate Grid Intrepid	NY	66911	HGIN6	50.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	50.0
2028	7	65690	Premium Energy Holdings	IPP	Haiwee Pumped Storage Project	CA	66686	HL001	250.0	Hydroelectric Pumped Storage	WAT	PS	(P) Planned for installation, but regulatory approvals not initiated	250.0
2028	7	65690	Premium Energy Holdings	IPP	Haiwee Pumped Storage Project	CA	66686	HL002	250.0	Hydroelectric Pumped Storage	WAT	PS	(P) Planned for installation, but regulatory approvals not initiated	250.0
2028	7	65690	Premium Energy Holdings	IPP	Haiwee Pumped Storage Project	CA	66686	HL003	250.0	Hydroelectric Pumped Storage	WAT	PS	(P) Planned for installation, but regulatory approvals not initiated	250.0
2028	7	65690	Premium Energy Holdings	IPP	Haiwee Pumped Storage Project	CA	66686	HL004	250.0	Hydroelectric Pumped Storage	WAT	PS	(P) Planned for installation, but regulatory approvals not initiated	250.0
2028	7	65690	Premium Energy Holdings	IPP	Intermountain Pumped Storage Project	UT	66684	HL001	250.0	Hydroelectric Pumped Storage	WAT	PS	(P) Planned for installation, but regulatory approvals not initiated	250.0
2028	7	65690	Premium Energy Holdings	IPP	Intermountain Pumped Storage Project	UT	66684	HL002	250.0	Hydroelectric Pumped Storage	WAT	PS	(P) Planned for installation, but regulatory approvals not initiated	250.0
2028	7	65690	Premium Energy Holdings	IPP	Intermountain Pumped Storage Project	UT	66684	HL003	250.0	Hydroelectric Pumped Storage	WAT	PS	(P) Planned for installation, but regulatory approvals not initiated	250.0
2028	7	65690	Premium Energy Holdings	IPP	Intermountain Pumped Storage Project	UT	66684	HL004	250.0	Hydroelectric Pumped Storage	WAT	PS	(P) Planned for installation, but regulatory approvals not initiated	250.0
2028	7	61906	Rye Development	IPP	Arkabutla Lake Hydroelectric Project	MS	62402	NA2	1.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.5
2028	7	61906	Rye Development	IPP	Grays Landing L&D Hydroelectric Project	PA	62388	NA2	4.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	6.0
2028	7	61906	Rye Development	IPP	Overton Hydroelectric Project	LA	62391	NA3	5.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	8.1
2028	7	61906	Rye Development	IPP	Overton Hydroelectric Project	LA	62391	NA4	5.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	8.1
2028	8	65457	Panther Branch Solar, LLC	IPP	Panther Branch Solar, LLC	NC	66385	GEN1	80.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	80.0
2028	8	61906	Rye Development	IPP	Morgantown L&D Hydroelectric Project	WV	62387	NA1	1.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.5
2028	8	61906	Rye Development	IPP	Opekiska L&D Hydroelectric Project	WV	62386	NA1	2.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	3.0
2028	8	61906	Rye Development	IPP	Overton Hydroelectric Project	LA	62391	NA5	5.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	8.1
2028	8	61906	Rye Development	IPP	Overton Hydroelectric Project	LA	62391	NA6	5.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	8.1
2028	9	61906	Rye Development	IPP	Morgantown L&D Hydroelectric Project	WV	62387	NA2	1.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.5
2028	9	61906	Rye Development	IPP	Opekiska L&D Hydroelectric Project	WV	62386	NA2	2.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	3.0
2028	10	63289	Key Capture Energy	IPP	KCE CT 1, LLC	OH	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	11	58880	Gallegos Wind Farm LLC	IPP	Gallegos Wind Farm, Phase 1	NM	59047	GEN 1	190.0	Onshore Wind Turbine	WND	WT	(P) Planned for installation, but regulatory approvals not initiated	190.0
2028	11	61906	Rye Development	IPP	Beverly L&D Hydroelectric Project	OH	62403	NA2	1.2	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	1.5
2028	11	61906	Rye Development	IPP	Devola L&D Hydroelectric Project	OH	62435	NA2	1.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.0
2028	11	61906	Rye Development	IPP	Enid Lake Hydroelectric Project	MS	62432	NA2	1.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.5
2028	11	61906	Rye Development	IPP	KY No. 11 L&D Hydroelectric Project	KY	62390	NA2	0.3	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	0.5
2028	11	61906	Rye Development	IPP	KY No. 11 L&D Hydroelectric Project	KY	62390	NA3	0.3	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	0.5
2028	11	61906	Rye Development	IPP	KY No. 11 L&D Hydroelectric Project	KY	62390	NA4	0.3	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	0.5
2028	11	61906	Rye Development	IPP	KY No. 11 L&D Hydroelectric Project	KY	62390	NA5	0.3	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	0.5
2028	11	61906	Rye Development	IPP	Lowell L&D Hydroelectric Project	OH	62429	NA2	2.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.5
2028	11	61906	Rye Development	IPP	Malta L&D Hydroelectric Project	OH	62428	NA1	1.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.0
2028	11	61906	Rye Development	IPP	Malta L&D Hydroelectric Project	OH	62428	NA2	1.0	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.0
2028	11	61906	Rye Development	IPP	Maxwell L&D Hydroelectric Project	PA	62385	NA1	4.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	6.0
2028	11	61906	Rye Development	IPP	Monongahela L&D4 Hydroelectric Project	PA	62404	NA2	4.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	6.0
2028	11	61906	Rye Development	IPP	Montgomery L&D Hydroelectric Project	PA	62400	NA2	5.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	6.8
2028	11	61906	Rye Development	IPP	Philo L&D Hydroelectric Project	OH	62427	NA2	1.2	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	1.5
2028	11	61906	Rye Development	IPP	Point Marion L&D Hydroelectric Project	PA	62384	NA1	1.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.5
2028	11	61906	Rye Development	IPP	Rokeby L&D Hydroelectric Project	OH	62426	NA2	1.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	2.0
2028	11	61906	Rye Development	IPP	Sardis Lake Hydroelectric Project	MS	62425	NA2	5.5	Conventional Hydroelectric	WAT	HY	(P) Planned for installation, but regulatory approvals not initiated	7.5
2028	12	64246	99MT 8me, LLC	IPP	Sienna Solar Farm	CA	64632	99MT8	200.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	200.0
2028	12	64246	99MT 8me, LLC	IPP	Sienna Solar Farm	CA	64632	99MTB	200.0	Batteries	MWH	BA	(P) Planned for installation, but regulatory approvals not initiated	200.0
2028	12	61817	Collard Holdings, LLC	IPP	Collard Holdings Solar	NC	62317	PV	10.0	Solar Photovoltaic	SUN	PV	(L) Regulatory approvals pending. Not under construction	10.0
2028	12	64388	ConnectGen Montgomery County LLC	IPP	Mill Point Solar	NY	64912	CMPS1	250.0	Solar Photovoltaic	SUN	PV	(P) Planned for installation, but regulatory approvals not initiated	250.0
2028	12	56201	Engie North America	IPP	Oxtans	TX								



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	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
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 I	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	55983	Luminant Generation Company LLC	IPP	Aiira	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	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

NOTES:

Capacity from facilities with a total generator nameplate capacity less than 1 MW are excluded from this table.  
 Entity ID and Plant ID are official, unique identification numbers assigned by EIA; Generator IDs are assigned by plant owners and/or operators.

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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2024	9	8453	Hendricks Regional Health	Commercial	Hendricks Regional Health	IN	54731	GEO1	0.5	Petroleum Liquids	DFO	IC
2024	9	8453	Hendricks Regional Health	Commercial	Hendricks Regional Health	IN	54731	GEO2	0.5	Petroleum Liquids	DFO	IC
2024	9	8453	Hendricks Regional Health	Commercial	Hendricks Regional Health	IN	54731	GEO3	0.3	Petroleum Liquids	DFO	IC
2024	9	11208	Los Angeles Department of Water & Power	Commercial	North Hollywood	CA	57854	1PT1	1.8	Conventional Hydroelectric	WAT	HY
2024	9	11208	Los Angeles Department of Water & Power	Commercial	North Hollywood	CA	57854	1PT2	1.8	Conventional Hydroelectric	WAT	HY
2024	9	11208	Los Angeles Department of Water & Power	Commercial	North Hollywood	CA	57854	1PT3	1.8	Conventional Hydroelectric	WAT	HY
2024	9	11208	Los Angeles Department of Water & Power	Commercial	North Hollywood	CA	57854	3T1	0.5	Conventional Hydroelectric	WAT	HY
2024	9	11208	Los Angeles Department of Water & Power	Commercial	North Hollywood	CA	57854	3T2	0.2	Conventional Hydroelectric	WAT	HY
2024	10	5347	Dow Chemical Co	Industrial	LaO Energy Systems	LA	52006	GEN4	49.0	Natural Gas Fired Combined Cycle	NG	CA
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	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	5416	Duke Energy Carolinas, LLC	Electric Utility	G G Allen	NC	2718	5	259.0	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	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	G10	47.1	Natural Gas Fired Combustion Turbine	NG	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
2024	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	GT1	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	GT2	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	GT3	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	GT4	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	GT5	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	GT6	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	GT7	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	GT8	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2024	12	18642	Tennessee Valley Authority	Electric Utility	Johnsonville	TN	3406	GT9	47.1	Natural Gas Fired Combustion Turbine	NG	GT
2025	1	1058	B Braun Medical Inc	Industrial	B Braun Medical	CA	50200	GEN1	2.7	Natural Gas Fired Combustion Turbine	NG	GT
2025	1	1058	B Braun Medical Inc	Industrial	B Braun Medical	CA	50200	GEN2	3.0	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	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	3	14328	Pacific Gas & Electric Co.	Electric Utility	Cow Creek	CA	229	1	0.9	Conventional Hydroelectric	WAT	HY
2025	3	14328	Pacific Gas & Electric Co.	Electric Utility	Cow Creek	CA	229	2	0.9	Conventional Hydroelectric	WAT	HY
2025	3	14328	Pacific Gas & Electric Co.	Electric Utility	Kilarc	CA	253	1	1.6	Conventional Hydroelectric	WAT	HY
2025	4	6452	Florida Power & Light Co	Electric Utility	Pea Ridge	FL	7715	1	4.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	4	6452	Florida Power & Light Co	Electric Utility	Pea Ridge	FL	7715	2	4.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	4	6452	Florida Power & Light Co	Electric Utility	Pea Ridge	FL	7715	3	4.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	4	65792	IIT Energy Tech Partners, LLC	Commercial	ITT Cogen Facility	IL	52021	GEN1	3.5	Natural Gas Fired Combustion Turbine	NG	GT
2025	4	65792	IIT Energy Tech Partners, LLC	Commercial	ITT Cogen Facility	IL	52021	GEN2	3.5	Natural Gas Fired Combustion Turbine	NG	GT
2025	5	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	6	18414	TES Filer City Station LP	Electric CHP	TES Filer City Station	MI	50835	GEN1	60.0	Conventional Steam Coal	BIT	ST
2025	7	11208	Los Angeles Department of Water & Power	Electric Utility	Intermountain Power Project	UT	6481	1	900.0	Conventional Steam Coal	BIT	ST
2025	7	11208	Los Angeles Department of Water & Power	Electric Utility	Intermountain Power Project	UT	6481	2	900.0	Conventional Steam Coal	BIT	ST
2025	7	13781	Northern States Power Co - Minnesota	Electric Utility	White River (WI)	WI	3989	1	0.2	Conventional Hydroelectric	WAT	HY
2025	7	13781	Northern States Power Co - Minnesota	Electric Utility	White River (WI)	WI	3989	2	0.2	Conventional Hydroelectric	WAT	HY
2025	8	13157	City of Omaha	Commercial	Papillion Creek Wastewater	NE	55027	951	0.5	Other Waste Biomass	OBG	IC
2025	8	13157	City of Omaha	Commercial	Papillion Creek Wastewater	NE	55027	952	0.5	Other Waste Biomass	OBG	IC
2025	8	13157	City of Omaha	Commercial	Papillion Creek Wastewater	NE	55027	953	0.5	Other Waste Biomass	OBG	IC
2025	8	14328	Pacific Gas & Electric Co.	Electric Utility	Diablo Canyon	CA	6099	2	1,118.0	Nuclear	NUC	ST
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GE10	0.8	Landfill Gas	LFG	IC
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GE11	0.8	Landfill Gas	LFG	IC
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GE12	0.8	Landfill Gas	LFG	IC
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GE13	0.8	Landfill Gas	LFG	IC
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GE14	0.8	Landfill Gas	LFG	IC
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GEN5	0.8	Landfill Gas	LFG	IC
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GEN6	0.8	Landfill Gas	LFG	IC
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GEN7	0.8	Landfill Gas	LFG	IC
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GEN8	0.8	Landfill Gas	LFG	IC
2025	10	17283	Seneca Energy II	IPP	Seneca Energy	NY	54782	GEN9	0.8	Landfill Gas	LFG	IC
2025	11	13781	Northern States Power Co - Minnesota	Electric Utility	Trego	WI	4012	1	0.4	Conventional Hydroelectric	WAT	HY
2025	11	13781	Northern States Power Co - Minnesota	Electric Utility	Trego	WI	4012	2	0.3	Conventional Hydroelectric	WAT	HY
2025	12	2138	Brainerd Public Utilities	Electric Utility	Brainerd Public Utilities	MN	50636	4	0.6	Conventional Hydroelectric	WAT	HY
2025	12	65384	Cartier Energy, LLC	Commercial	Hartford Hospital Cogeneration	CT	52061	GEN2	2.4	Natural Gas Fired Combined Cycle	NG	CA
2025	12	65384	Cartier Energy, LLC	Commercial	Hartford Hospital Cogeneration	CT	52061	GEN3	6.2	Natural Gas Fired Combined Cycle	NG	CT
2025	12	3249	Central Hudson Gas & Elec Corp	Electric Utility	Central Hudson High Falls	NY	579	1	3.2	Conventional Hydroelectric	WAT	HY
2025	12	3249	Central Hudson Gas & Elec Corp	Electric Utility	West Coxsackie	NY	2487	GT1	20.2	Natural Gas Fired Combustion Turbine	NG	GT
2025	12	17539	Dominion Energy South Carolina, Inc	Electric Utility	Coit GT	SC	3281	1	14.0	Petroleum Liquids	DFO	GT
2025	12	17539	Dominion Energy South Carolina, Inc	Electric Utility	Coit GT	SC	3281	2	12.0	Petroleum Liquids	DFO	GT
2025	12	5517	Dynegy Midwest Generation Inc	IPP	Baldwin Energy Complex	IL	889	1	576.0	Conventional Steam Coal	SUB	ST
2025	12	5517	Dynegy Midwest Generation Inc	IPP	Baldwin Energy Complex	IL	889	2	581.0	Conventional Steam Coal	SUB	ST
2025	12	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



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	Blue Lake	MN	8027	4	39.0	Petroleum Liquids	DFO	GT
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Sherburne County	MN	6090	1	680.0	Conventional Steam Coal	SUB	ST
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Wheaton	WI	4014	1	44.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Wheaton	WI	4014	2	51.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Wheaton	WI	4014	3	44.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Wheaton	WI	4014	4	47.0	Natural Gas Fired Combustion Turbine	NG	GT
2025	12	13781	Northern States Power Co - Minnesota	Electric Utility	Wheaton	WI	4014	6	48.0	Petroleum Liquids	DFO	GT
2025	12	14610	Orlando Utilities Comm	Electric Utility	Stanton Energy Center	FL	564	1	453.4	Conventional Steam Coal	BIT	ST
2025	12	17470	PUD No 1 of Snohomish County	Electric Utility	MESA 1	WA	60016	A	1.0	Batteries	MWH	BA
2025	12	17470	PUD No 1 of Snohomish County	Electric Utility	MESA 1	WA	60016	B	1.0	Batteries	MWH	BA
2025	12	14354	PacifiCorp	Electric Utility	Naughton	WY	4162	1	156.0	Conventional Steam Coal	SUB	ST
2025	12	14354	PacifiCorp	Electric Utility	Naughton	WY	4162	2	201.0	Conventional Steam Coal	SUB	ST
2025	12	15466	Public Service Co of Colorado	Electric Utility	Comanche (CO)	CO	470	2	335.0	Conventional Steam Coal	SUB	ST
2025	12	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 Alamos LLC	IPP	AES Alamos LLC	CA	315	3	332.0	Natural Gas Steam Turbine	NG	ST
2026	12	22148	AES Alamos LLC	IPP	AES Alamos LLC	CA	315	4	335.0	Natural Gas Steam Turbine	NG	ST
2026	12	22148	AES Alamos LLC	IPP	AES Alamos 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
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	Wilmarth	MN	1934	1	9.0	Municipal Solid Waste	MSW	ST



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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2027	12	13781	Northern States Power Co - Minnesota	Electric Utility	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
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



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	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
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

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	12	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	GTA	20.5	Natural Gas Fired Combined Cycle	NG	CT
2032	12	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	GTB	20.5	Natural Gas Fired Combined Cycle	NG	CT
2032	12	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	GTC	20.5	Natural Gas Fired Combined Cycle	NG	CT
2032	12	13399	Nevada Cogeneration Assoc # 1	Electric CHP	Nevada Cogen Assoc#1 GarnetVly	NV	54350	STM	24.0	Natural Gas Fired Combined Cycle	NG	CA
2032	12	14354	PacifiCorp	Electric Utility	Gadsby	UT	3648	1	64.0	Natural Gas Steam Turbine	NG	ST
2032	12	14354	PacifiCorp	Electric Utility	Gadsby	UT	3648	2	69.0	Natural Gas Steam Turbine	NG	ST
2032	12	14354	PacifiCorp	Electric Utility	Gadsby	UT	3648	3	104.5	Natural Gas Steam Turbine	NG	ST
2032	12	14354	PacifiCorp	Electric Utility	Gadsby	UT	3648	4	39.6	Natural Gas Fired Combustion Turbine	NG	GT
2032	12	14354	PacifiCorp	Electric Utility	Gadsby	UT	3648	5	39.6	Natural Gas Fired Combustion Turbine	NG	GT
2032	12	14354	PacifiCorp	Electric Utility	Gadsby	UT	3648	6	36.9	Natural Gas Fired Combustion Turbine	NG	GT
2032	12	16553	Saguaro Power Co	Electric CHP	Saguaro Power	NV	54271	CTG1	36.0	Natural Gas Fired Combined Cycle	NG	CT
2032	12	16553	Saguaro Power Co	Electric CHP	Saguaro Power	NV	54271	CTG2	36.0	Natural Gas Fired Combined Cycle	NG	CT
2032	12	16553	Saguaro Power Co	Electric CHP	Saguaro Power	NV	54271	STG	29.0	Natural Gas Fired Combined Cycle	NG	CA
2032	12	16572	Salt River Project	Electric Utility	Coronado	AZ	6177	CO1	380.0	Conventional Steam Coal	SUB	ST
2032	12	16572	Salt River Project	Electric Utility	Coronado	AZ	6177	CO2	382.0	Conventional Steam Coal	SUB	ST
2032	12	24211	Tucson Electric Power Co	Electric Utility	Springerville	AZ	8223	2	406.0	Conventional Steam Coal	SUB	ST
2033	6	11241	Entergy Louisiana LLC	Electric Utility	Nine Mile Point	LA	1403	5	721.5	Natural Gas Steam Turbine	NG	ST
2033	12	5701	El Paso Electric Co	Electric Utility	Rio Grande	NM	2444	8	139.0	Natural Gas Steam Turbine	NG	ST
2033	12	17543	South Carolina Public Service Authority	Electric Utility	Hilton Head	SC	3318	1	16.0	Petroleum Liquids	DFO	GT
2033	12	17543	South Carolina Public Service Authority	Electric Utility	Hilton Head	SC	3318	2	16.0	Petroleum Liquids	DFO	GT
2033	12	17543	South Carolina Public Service Authority	Electric Utility	Hilton Head	SC	3318	3	52.0	Petroleum Liquids	DFO	GT
2033	12	17543	South Carolina Public Service Authority	Electric Utility	Myrtle Beach	SC	3320	1	8.0	Petroleum Liquids	DFO	GT
2033	12	17543	South Carolina Public Service Authority	Electric Utility	Myrtle Beach	SC	3320	2	8.0	Petroleum Liquids	DFO	GT
2033	12	17543	South Carolina Public Service Authority	Electric Utility	Myrtle Beach	SC	3320	3	19.0	Petroleum Liquids	DFO	GT
2033	12	18642	Tennessee Valley Authority	Electric Utility	Shawnee	KY	1379	1	134.0	Conventional Steam Coal	SUB	ST
2033	12	18642	Tennessee Valley Authority	Electric Utility	Shawnee	KY	1379	2	134.0	Conventional Steam Coal	SUB	ST
2033	12	18642	Tennessee Valley Authority	Electric Utility	Shawnee	KY	1379	4	134.0	Conventional Steam Coal	SUB	ST
2033	12	18642	Tennessee Valley Authority	Electric Utility	Shawnee	KY	1379	5	134.0	Conventional Steam Coal	SUB	ST
2033	12	18642	Tennessee Valley Authority	Electric Utility	Shawnee	KY	1379	6	134.0	Conventional Steam Coal	SUB	ST
2033	12	18642	Tennessee Valley Authority	Electric Utility	Shawnee	KY	1379	7	134.0	Conventional Steam Coal	SUB	ST
2033	12	18642	Tennessee Valley Authority	Electric Utility	Shawnee	KY	1379	8	134.0	Conventional Steam Coal	SUB	ST
2033	12	18642	Tennessee Valley Authority	Electric Utility	Shawnee	KY	1379	9	134.0	Conventional Steam Coal	SUB	ST
2034	6	55937	Entergy Texas Inc.	Electric Utility	Lewis Creek	TX	3457	1	250.0	Natural Gas Steam Turbine	NG	ST
2034	6	55937	Entergy Texas Inc.	Electric Utility	Lewis Creek	TX	3457	2	249.7	Natural Gas Steam Turbine	NG	ST
2034	12	5416	Duke Energy Carolinas, LLC	Electric Utility	Marshall (NC)	NC	2727	1	370.0	Natural Gas Steam Turbine	NG	ST
2034	12	5416	Duke Energy Carolinas, LLC	Electric Utility	Marshall (NC)	NC	2727	2	370.0	Conventional Steam Coal	BIT	ST
2034	12	13781	Northern States Power Co - Minnesota	Electric Utility	Sherburne County	MN	6090	3	876.0	Conventional Steam Coal	SUB	ST
2034	12	17718	Southwestern Public Service Co	Electric Utility	Jones	TX	3482	2	243.0	Natural Gas Steam Turbine	NG	ST
2034	12	17718	Southwestern Public Service Co	Electric Utility	Quay County	NM	58125	1	17.0	Petroleum Liquids	DFO	GT
2035	6	12685	Entergy Mississippi LLC	Electric Utility	Gerald Andrus	MS	8054	1	706.5	Natural Gas Steam Turbine	NG	ST
2035	7	59711	Bakersfield 111 LLC	IPP	Bakersfield 111	CA	59948	BF111	1.4	Solar Photovoltaic	SUN	PV
2035	7	56742	Notus Clean Energy LLC	IPP	Notus Wind 1	MA	57414	1	1.7	Onshore Wind Turbine	WND	WT
2035	12	20169	Avista Corp	Electric Utility	Northeast (WA)	WA	6210	1	45.0	Natural Gas Fired Combustion Turbine	NG	GT
2035	12	59474	BQ Energy LLC	IPP	Mount Kisco Landfill Solar & Storage CSG	NY	63774	KISCB	0.5	Batteries	MWH	BA
2035	12	5860	Empire District Electric Co	Electric Utility	Empire Energy Center	MO	6223	1	80.0	Natural Gas Fired Combustion Turbine	NG	GT
2035	12	5860	Empire District Electric Co	Electric Utility	Empire Energy Center	MO	6223	2	82.0	Natural Gas Fired Combustion Turbine	NG	GT
2036	12	14354	PacifiCorp	Electric Utility	Huntington	UT	8069	1	459.0	Conventional Steam Coal	BIT	ST
2036	12	14354	PacifiCorp	Electric Utility	Huntington	UT	8069	2	450.0	Conventional Steam Coal	BIT	ST
2036	12	17718	Southwestern Public Service Co	Electric Utility	Harrington	TX	6193	1	339.0	Conventional Steam Coal	SUB	ST
2037	12	14354	PacifiCorp	Electric Utility	Jim Bridger	WY	8066	1	531.0	Conventional Steam Coal	SUB	ST
2037	12	14354	PacifiCorp	Electric Utility	Jim Bridger	WY	8066	2	539.0	Conventional Steam Coal	SUB	ST
2037	12	14354	PacifiCorp	Electric Utility	Jim Bridger	WY	8066	3	523.0	Conventional Steam Coal	SUB	ST
2037	12	14354	PacifiCorp	Electric Utility	Jim Bridger	WY	8066	4	526.0	Conventional Steam Coal	SUB	ST
2038	12	17718	Southwestern Public Service Co	Electric Utility	Harrington	TX	6193	2	339.0	Conventional Steam Coal	SUB	ST
2039	10	65384	Cartier Energy, LLC	Commercial	HSCo CHP	CT	57179	1	3.5	Natural Gas Fired Combustion Turbine	NG	GT
2039	12	14354	PacifiCorp	Electric Utility	Wyodak	WY	6101	1	332.0	Conventional Steam Coal	SUB	ST
2040	7	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	PV1	0.1	Solar Photovoltaic	SUN	PV
2040	7	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	PV2	0.1	Solar Photovoltaic	SUN	PV
2040	7	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	PV3	0.1	Solar Photovoltaic	SUN	PV
2040	7	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	PV4	0.1	Solar Photovoltaic	SUN	PV
2040	7	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	PV5	0.1	Solar Photovoltaic	SUN	PV
2040	7	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	PV6	0.1	Solar Photovoltaic	SUN	PV
2040	7	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	PV7	0.1	Solar Photovoltaic	SUN	PV
2040	7	10451	Kotzebue Electric Assn Inc	Electric Utility	Kotzebue Hybrid	AK	6304	PV8	0.1	Solar Photovoltaic	SUN	PV



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

Year	Month	Entity ID	Entity Name	Plant Producer Type	Plant Name	Plant State	Plant ID	Generator ID	Net Summer Capacity (MW)	Technology	Energy Source Code	Prime Mover Code
2040	12	17718	Southwestern Public Service Co	Electric Utility	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

NOTES:

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



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

Year/Month	Coal		Natural Gas						Petroleum							
	Time Adjusted Capacity (MW)	Capacity Factor	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)
<b>Annual Data</b>																
2014	299,064.7	60.5%	224,183.2	48.6%	124,736.9	8.3%	75,049.1	10.3%	3,026.7	10.8%	18,057.0	13.0%	16,791.5	1.2%	5,011.3	2.1%
2015	286,082.7	54.3%	231,467.5	55.8%	123,444.3	9.8%	80,348.0	11.3%	3,507.8	11.9%	14,965.4	14.0%	16,122.8	1.3%	5,075.2	2.1%
2016	269,477.1	52.8%	236,442.8	55.4%	125,148.4	11.0%	81,225.1	12.3%	3,684.3	11.5%	13,993.7	12.2%	15,114.0	1.3%	5,082.8	2.3%
2017	259,930.2	53.1%	242,839.1	51.2%	125,806.6	9.6%	79,149.4	10.7%	4,225.5	11.6%	13,290.9	13.7%	14,275.3	1.0%	5,153.3	2.1%
2018	246,866.8	53.6%	254,403.3	55.1%	126,763.4	11.9%	76,177.8	12.6%	4,446.6	13.0%	13,300.1	14.2%	14,234.9	1.3%	5,289.7	1.9%
2019	235,089.3	47.5%	266,846.5	57.4%	128,832.5	11.4%	72,797.3	14.1%	4,848.3	15.3%	11,214.7	12.8%	14,009.7	1.0%	5,287.8	2.0%
2020	220,623.2	40.5%	274,300.4	57.1%	129,085.6	11.6%	75,462.3	14.2%	5,123.0	15.1%	8,443.3	13.9%	13,875.8	1.2%	5,300.7	1.8%
2021	212,587.0	49.1%	277,618.5	55.0%	130,103.4	11.7%	74,003.4	12.5%	5,171.8	18.2%	8,385.5	14.2%	13,729.8	1.6%	5,522.7	1.8%
2022	196,396.3	48.4%	286,467.1	56.6%	130,170.6	12.9%	77,518.8	15.6%	5,526.9	18.1%	9,839.0	13.2%	15,005.7	1.6%	5,407.0	1.8%
2023	183,856.3	42.1%	292,741.1	58.8%	131,118.7	14.1%	76,591.4	17.1%	5,637.3	20.9%	8,430.0	11.2%	14,402.3	1.9%	5,401.3	2.1%
<b>Year 2022</b>																
January	202,043.3	57.4%	284,236.2	55.6%	129,881.8	11.3%	78,088.0	14.8%	5,454.3	16.0%	9,839.0	19.6%	15,279.8	1.4%	5,401.4	2.2%
February	202,013.8	52.2%	284,236.2	52.4%	129,967.8	9.6%	78,088.0	11.7%	5,454.3	14.8%	9,839.0	15.3%	15,279.8	0.9%	5,402.0	1.8%
March	200,821.8	41.0%	284,247.2	46.6%	130,009.3	8.3%	77,514.0	8.5%	5,484.9	13.6%	9,839.0	9.8%	15,245.8	1.0%	5,392.6	1.7%
April	200,376.8	38.5%	284,450.3	44.2%	130,070.8	9.6%	77,514.0	9.6%	5,486.4	13.5%	9,839.0	10.1%	15,119.1	0.9%	5,395.3	1.7%
May	198,851.8	42.1%	283,899.1	49.6%	130,070.8	12.5%	77,514.0	14.6%	5,544.4	14.7%	9,839.0	12.0%	15,119.1	1.4%	5,399.7	1.8%
June	195,863.8	52.5%	286,389.0	61.2%	130,127.6	16.9%	77,510.0	20.2%	5,546.0	18.8%	9,839.0	12.2%	14,947.1	1.8%	5,407.0	1.9%
July	195,881.8	59.6%	287,485.0	70.5%	130,274.1	20.2%	77,510.0	28.1%	5,549.7	23.0%	9,839.0	10.3%	14,947.1	2.5%	5,410.4	1.7%
August	194,856.8	59.2%	288,566.5	72.4%	130,035.1	18.6%	77,379.0	22.4%	5,563.9	25.1%	9,839.0	11.8%	14,947.1	2.2%	5,410.7	1.7%
Sept	192,425.8	47.3%	288,493.5	63.9%	130,259.8	13.9%	77,374.0	16.3%	5,559.0	21.7%	9,839.0	13.1%	14,858.1	1.7%	5,409.2	1.8%
October	192,425.8	38.7%	288,458.5	53.0%	130,348.7	10.3%	77,374.0	13.3%	5,558.0	17.9%	9,839.0	12.3%	14,817.2	1.4%	5,413.1	1.8%
November	192,271.3	40.9%	288,485.6	52.0%	130,380.6	11.3%	77,379.8	13.7%	5,555.9	17.9%	9,839.0	13.6%	14,789.6	1.0%	5,420.9	1.6%
December	189,316.3	51.4%	288,504.6	56.8%	130,606.5	12.5%	77,026.8	14.1%	5,560.7	19.3%	9,839.0	18.2%	14,735.6	2.8%	5,421.2	2.2%
<b>Year 2023</b>																
January	186,891.9	44.3%	288,850.7	56.8%	131,147.9	9.3%	77,794.4	9.9%	5,581.3	17.2%	8,430.0	9.9%	14,223.6	1.0%	5,401.4	1.8%
February	186,881.3	37.1%	289,082.7	56.6%	131,147.9	8.9%	77,794.4	10.0%	5,583.9	16.7%	8,430.0	11.6%	14,223.6	0.9%	5,399.4	1.4%
March	186,881.3	35.9%	290,371.7	52.8%	130,957.7	10.4%	77,708.4	11.5%	5,585.4	19.1%	8,430.0	10.1%	14,223.6	1.1%	5,398.8	2.1%
April	186,881.3	30.4%	290,932.7	47.4%	130,957.7	12.2%	77,708.4	13.4%	5,586.9	17.5%	8,430.0	9.3%	14,223.6	1.7%	5,398.8	2.4%
May	185,392.9	32.4%	292,840.3	52.2%	130,438.2	13.7%	76,918.4	15.5%	5,583.8	17.5%	8,430.0	8.2%	14,619.5	2.0%	5,398.3	2.3%
June	183,239.7	44.1%	292,928.0	62.7%	130,652.7	17.0%	76,604.4	21.0%	5,583.8	22.8%	8,430.0	11.3%	14,471.1	2.3%	5,385.1	2.5%
July	182,590.8	58.0%	294,152.4	72.5%	130,816.5	23.2%	76,604.4	30.6%	5,583.8	30.1%	8,430.0	16.3%	14,471.1	3.2%	5,398.9	2.4%
August	181,977.5	57.7%	294,152.4	72.8%	131,479.5	22.5%	76,604.4	29.6%	5,715.4	30.4%	8,430.0	15.2%	14,471.1	3.5%	5,398.1	2.5%
Sept	181,977.5	46.1%	294,152.4	64.9%	131,479.5	15.2%	75,568.4	21.6%	5,709.5	22.6%	8,430.0	16.4%	14,471.1	2.0%	5,407.2	1.8%
October	181,492.5	38.3%	294,811.3	52.6%	131,466.5	14.2%	75,568.4	16.4%	5,709.5	20.2%	8,430.0	10.2%	14,471.1	2.1%	5,407.2	2.1%
November	181,492.5	39.4%	294,811.3	54.0%	131,462.5	12.3%	75,568.4	14.2%	5,709.5	18.9%	8,430.0	8.4%	14,471.1	1.2%	5,407.2	2.3%
December	180,810.5	41.7%	295,513.1	59.1%	131,423.5	9.9%	74,741.4	10.8%	5,710.4	17.1%	8,430.0	8.1%	14,471.1	1.3%	5,415.3	1.5%
<b>Year 2024</b>																
January	178,304.4	56.4%	295,113.0	62.7%	131,399.5	14.1%	75,710.6	16.6%	5,817.7	21.1%	8,423.7	10.5%	14,482.6	2.4%	5,416.9	1.8%
February	177,943.3	35.8%	293,365.4	56.1%	131,431.3	10.3%	75,757.0	11.1%	5,847.3	17.5%	8,728.7	8.0%	14,480.6	1.3%	5,429.2	1.9%
March	177,677.8	29.3%	295,014.7	50.4%	131,824.0	11.2%	75,320.8	13.5%	5,849.7	18.0%	8,728.7	7.1%	14,474.3	1.2%	5,425.4	2.1%
April	177,089.5	29.8%	293,390.5	46.7%	131,923.0	14.4%	75,277.3	15.5%	5,852.0	17.2%	8,802.0	7.5%	14,087.3	1.8%	5,431.6	3.0%
May	177,179.4	35.7%	293,453.5	53.1%	131,551.6	14.8%	74,571.7	20.2%	5,938.4	19.3%	8,804.2	8.1%	14,290.8	2.2%	5,408.8	2.9%
June	176,966.1	48.8%	292,068.6	64.6%	131,517.6	17.3%	74,193.7	26.4%	5,981.5	22.5%	8,743.2	8.4%	14,179.6	2.6%	5,406.4	2.2%
July	176,966.1	54.8%	292,358.6	74.5%	131,892.6	25.7%	74,193.7	32.5%	5,986.7	29.5%	8,743.2	10.2%	14,206.6	5.1%	5,427.0	3.1%

Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary.

Time adjusted capacity for month rows is the summer capacity of generators in operation for the entire month; units that began operation during the month or that retired during the month are excluded. Time adjusted capacity for year rows is a time weighted average of the month rows.

Capacity factors are a comparison of net generation with available capacity. See the technical note for an explanation of how capacity factors are calculated.

Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

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

Year/Month	Geothermal		Hydroelectric		Nuclear		Other Biomass		Other Gas		Solar				Wind		Wood	
	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	2,665.4	70.0%	80,086.9	34.2%	95,099.0	93.1%	4,297.3	59.6%	1,721.1	61.7%	77,167.2	23.3%	1,480.0	22.2%	144,018.9	33.5%	7,781.8	52.8%
Year 2022																		
January	2,592.8	75.1%	80,036.5	40.6%	95,406.4	99.4%	4,460.5	60.7%	1,664.2	64.2%	60,335.2	16.8%	1,480.0	11.3%	132,415.6	37.5%	7,829.0	60.8%
February	2,592.8	70.3%	80,040.6	39.6%	95,406.4	96.5%	4,459.1	60.6%	1,664.2	62.8%	61,350.2	21.2%	1,480.0	15.9%	133,711.4	41.6%	7,829.0	62.6%
March	2,592.8	65.7%	80,050.6	41.0%	95,406.4	89.0%	4,444.5	59.8%	1,664.2	63.4%	61,673.4	24.4%	1,480.0	23.1%	133,969.5	42.7%	7,829.0	57.4%
April	2,592.8	67.1%	80,054.7	34.8%	95,406.4	80.5%	4,437.0	60.0%	1,733.5	56.2%	62,666.8	28.5%	1,480.0	30.1%	135,080.4	46.6%	7,829.0	54.9%
May	2,609.8	67.4%	80,054.7	39.2%	95,427.4	89.3%	4,434.2	59.2%	1,733.5	59.9%	63,122.2	30.9%	1,480.0	33.5%	137,384.2	41.1%	7,811.3	55.4%
June	2,609.8	67.0%	80,057.2	45.1%	94,658.9	96.4%	4,434.2	61.7%	1,733.5	63.6%	63,890.6	33.2%	1,480.0	34.9%	137,594.2	33.9%	7,805.5	59.5%
July	2,609.8	67.1%	80,057.2	41.2%	94,658.9	97.8%	4,374.4	61.7%	1,733.5	63.7%	65,118.6	31.2%	1,480.0	26.2%	137,993.8	28.6%	7,805.5	61.5%
August	2,639.4	67.9%	80,057.2	35.5%	94,658.9	97.8%	4,378.3	60.7%	1,733.5	59.5%	65,707.2	28.4%	1,480.0	25.3%	137,999.4	24.0%	7,817.5	60.3%
Sept	2,661.3	68.6%	80,058.7	29.5%	94,658.9	93.5%	4,369.7	59.5%	1,733.5	61.6%	66,419.3	26.5%	1,480.0	26.7%	138,005.0	27.3%	7,817.5	56.4%
October	2,620.5	65.3%	80,059.2	24.1%	94,658.9	83.7%	4,366.5	59.2%	1,733.5	59.5%	67,201.8	22.9%	1,480.0	26.4%	138,005.0	31.6%	7,817.5	50.9%
November	2,620.5	72.6%	80,059.2	31.0%	94,658.9	91.0%	4,354.3	59.6%	1,733.5	63.2%	67,739.4	16.5%	1,480.0	14.1%	138,025.0	40.8%	7,817.5	56.7%
December	2,648.6	74.1%	80,067.7	34.3%	94,658.9	98.1%	4,322.3	60.1%	1,728.2	62.3%	68,569.5	12.5%	1,480.0	9.0%	139,628.0	36.8%	7,804.5	58.8%
Year 2023																		
January	2,648.6	78.4%	80,074.5	37.4%	94,632.0	100.7%	4,325.7	61.7%	1,728.2	64.4%	71,296.2	14.6%	1,480.0	7.7%	141,467.7	37.1%	7,804.5	59.3%
February	2,648.6	72.6%	80,092.5	34.7%	94,632.0	95.6%	4,295.7	60.3%	1,728.2	67.6%	72,707.2	18.3%	1,480.0	11.0%	142,116.8	43.9%	7,804.5	57.5%
March	2,648.6	69.4%	80,092.5	33.9%	94,632.0	89.2%	4,295.7	58.6%	1,698.2	60.9%	73,256.7	21.5%	1,480.0	14.0%	142,832.2	41.4%	7,831.3	51.6%
April	2,648.6	69.6%	80,111.5	30.3%	94,632.0	83.2%	4,295.7	54.5%	1,698.2	46.1%	73,878.7	26.6%	1,480.0	27.9%	143,246.0	41.5%	7,831.3	47.6%
May	2,673.6	68.5%	80,082.5	46.0%	94,632.0	87.3%	4,295.7	59.9%	1,725.1	54.4%	74,759.1	29.2%	1,480.0	27.5%	143,912.8	29.8%	7,786.3	54.1%
June	2,673.6	65.7%	80,084.9	33.8%	94,632.0	95.3%	4,295.7	60.7%	1,725.1	55.6%	75,828.1	30.8%	1,480.0	34.6%	144,684.0	26.3%	7,778.8	53.9%
July	2,673.6	65.2%	80,084.9	35.6%	94,632.0	99.1%	4,297.0	60.7%	1,725.1	63.4%	77,427.1	31.1%	1,480.0	35.0%	144,684.0	25.9%	7,778.8	54.6%
August	2,673.6	67.1%	80,084.9	35.4%	95,746.0	97.9%	4,297.0	59.9%	1,725.1	71.5%	79,450.9	29.0%	1,480.0	28.4%	144,684.0	26.4%	7,778.8	56.3%
Sept	2,673.6	69.8%	80,082.1	28.6%	95,746.0	95.1%	4,297.0	57.1%	1,725.1	61.0%	80,057.5	25.7%	1,480.0	27.7%	144,700.0	27.0%	7,778.8	50.3%
October	2,673.6	70.7%	80,080.0	30.3%	95,746.0	86.2%	4,288.8	58.6%	1,725.1	59.7%	81,004.9	22.1%	1,480.0	26.2%	144,787.6	33.6%	7,778.8	43.3%
November	2,673.6	72.8%	80,084.6	31.4%	95,746.0	90.3%	4,290.4	60.5%	1,725.1	69.2%	82,539.6	16.6%	1,480.0	15.7%	145,498.3	35.3%	7,715.6	53.0%
December	2,673.6	70.5%	80,088.7	32.4%	95,746.0	96.7%	4,292.6	63.0%	1,725.1	66.6%	83,486.5	13.7%	1,480.0	9.9%	145,495.3	34.9%	7,715.6	52.7%
Year 2024																		
January	2,742.6	66.5%	79,837.3	35.7%	95,723.1	97.1%	4,269.9	59.2%	1,746.3	67.9%	90,725.7	13.7%	1,480.0	7.3%	147,768.9	31.6%	7,603.8	58.0%
February	2,742.6	65.9%	79,982.9	35.2%	95,723.1	96.9%	4,254.3	57.5%	1,746.3	55.5%	93,474.7	18.7%	1,480.0	11.7%	148,608.6	40.1%	7,568.0	53.9%
March	2,742.6	60.2%	80,000.8	38.5%	95,723.1	88.9%	4,244.1	54.3%	1,748.1	48.9%	94,093.0	21.7%	1,481.1	20.4%	148,782.5	41.4%	7,535.8	52.0%
April	2,695.8	66.0%	79,859.1	33.4%	95,760.5	83.2%	4,182.7	55.1%	1,720.1	38.9%	96,841.3	26.2%	1,480.0	31.6%	148,941.6	44.2%	7,527.5	51.9%
May	2,695.8	60.6%	79,862.8	37.0%	96,826.2	90.2%	4,130.8	59.7%	1,893.6	46.2%	97,636.4	29.1%	1,480.0	38.1%	150,070.5	34.8%	7,529.2	53.8%
June	2,695.8	63.8%	79,829.0	36.9%	96,826.2	97.8%	4,083.6	59.4%	1,847.6	47.5%	100,198.5	31.5%	1,480.0	39.1%	150,229.0	35.4%	7,693.1	54.9%
July	2,695.8	64.2%	79,829.0	33.9%	96,826.2	97.0%	4,038.9	61.4%	1,838.8	46.2%	102,584.5	30.3%	1,480.0	33.0%	150,075.2	24.9%	7,693.1	54.2%

Values for 2022 and prior years are final. Values for 2023 and 2024 are preliminary.

Time adjusted capacity for month rows is the summer capacity of generators in operation for the entire month; units that began operation during the month or that retired during the month are excluded. Time adjusted capacity for year rows is a time weighted average of the month rows.

Capacity factors are a comparison of net generation with available capacity. See the technical note for an explanation of how capacity factors are calculated.

Sources: U.S. Energy Information Administration, Form EIA-923, Power Plant Operations Report; U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

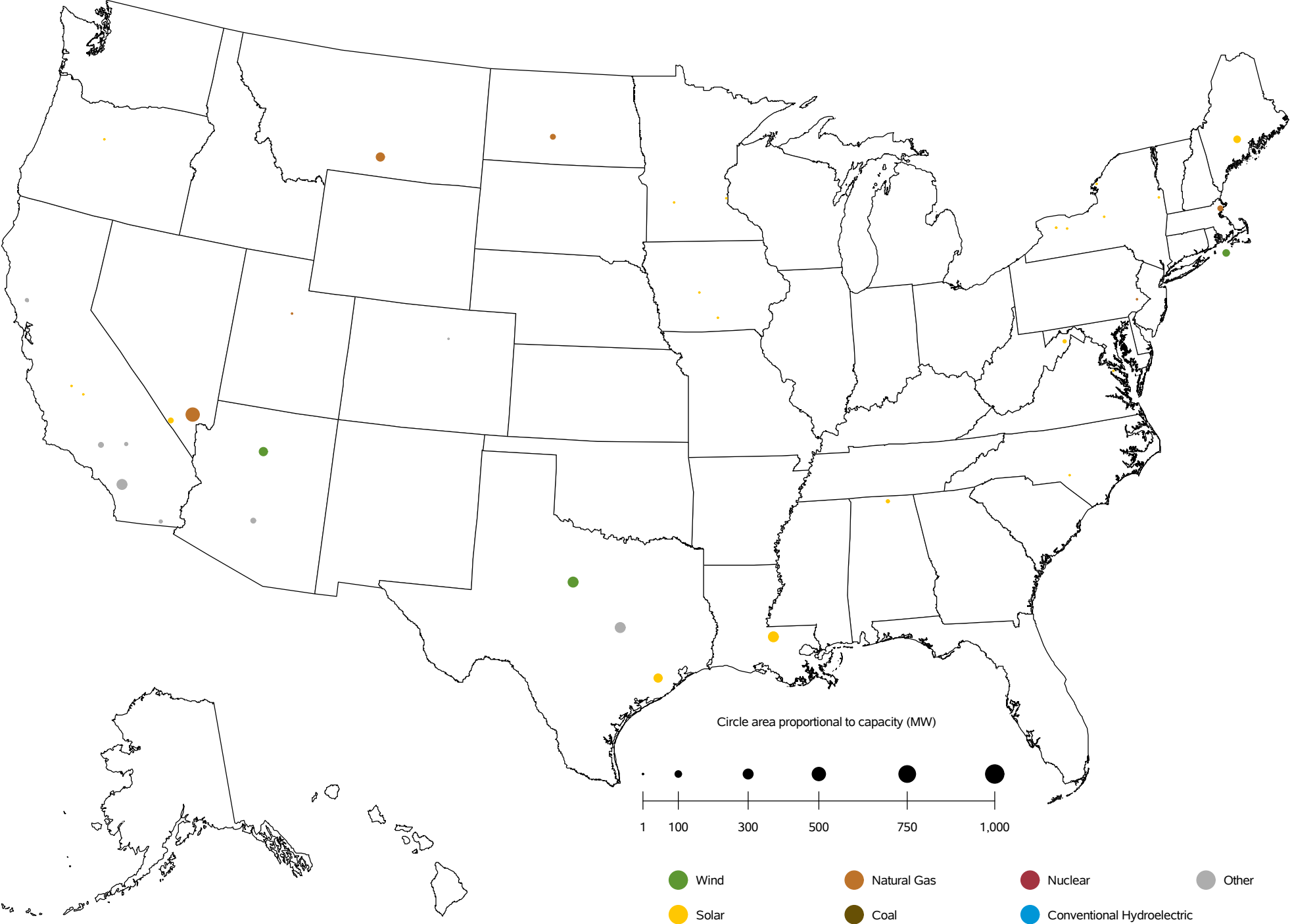
**Table 6.07.C. Usage Factors for Utility Scale Storage Generators**

Year/Month	Battery		Pumped Storage	
	Time Adjusted Capacity (MW)	Usage Factor	Time Adjusted Capacity (MW)	Usage Factor
<b>Annual Data</b>				
2014	155.1	1.7%	22,477.9	10.2%
2015	206.8	3.6%	22,568.9	10.2%
2016	423.0	3.8%	22,752.7	11.2%
2017	632.8	6.8%	22,791.7	11.4%
2018	713.6	5.2%	22,815.4	10.8%
2019	949.8	5.4%	22,754.7	10.4%
2020	1,210.3	5.2%	22,939.6	10.5%
2021	2,627.6	6.1%	23,007.7	10.2%
2022	6,566.1	6.4%	23,033.9	11.1%
2023	11,165.8	5.7%	23,151.2	11.0%
<b>Year 2022</b>				
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%
<b>Year 2023</b>				
January	9,104.9	5.6%	23,076.9	9.2%
February	9,171.2	5.2%	23,076.9	9.6%
March	9,253.2	5.9%	23,156.9	9.2%
April	9,521.3	5.7%	23,166.5	8.8%
May	9,690.3	5.2%	23,166.5	11.0%
June	9,833.9	5.1%	23,166.5	13.8%
July	10,894.7	5.5%	23,166.5	15.8%
August	12,384.7	5.7%	23,166.5	15.6%
Sept	12,867.0	5.5%	23,166.5	13.3%
October	13,440.5	6.3%	23,166.5	8.7%
November	13,621.4	6.0%	23,166.5	8.3%
December	14,051.5	5.7%	23,166.5	8.1%
<b>Year 2024</b>				
January	15,733.1	5.3%	23,139.0	9.5%
February	15,909.5	6.3%	23,139.0	9.7%
March	15,791.5	6.9%	23,219.0	7.4%
April	16,847.9	7.3%	23,219.0	9.2%
May	17,541.8	6.7%	23,219.0	12.5%
June	18,619.3	6.7%	23,227.4	15.5%
July	19,916.9	7.8%	23,227.4	16.7%

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

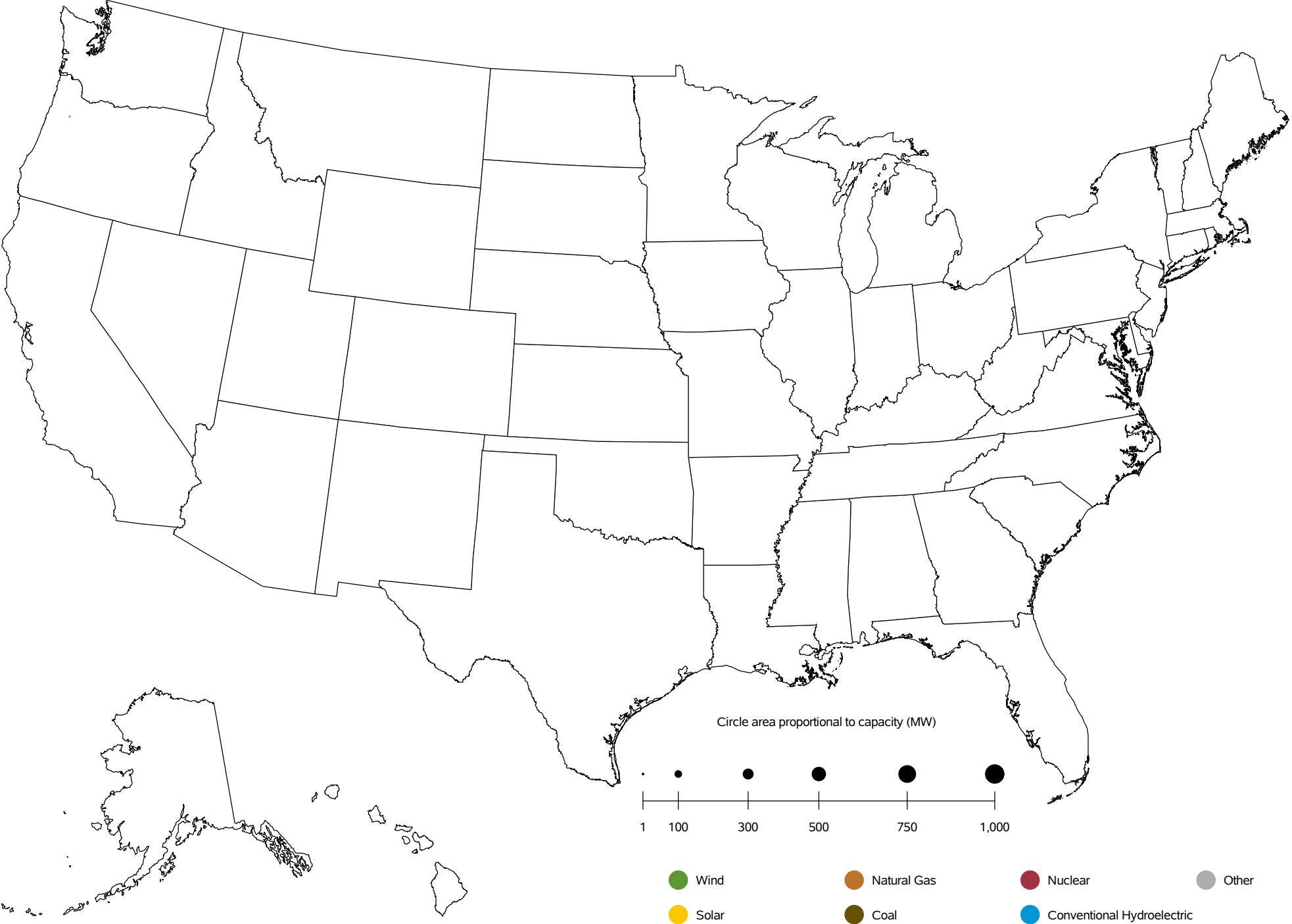


Figure 6.1.A. Utility-Scale Generating Units Added in July 2024



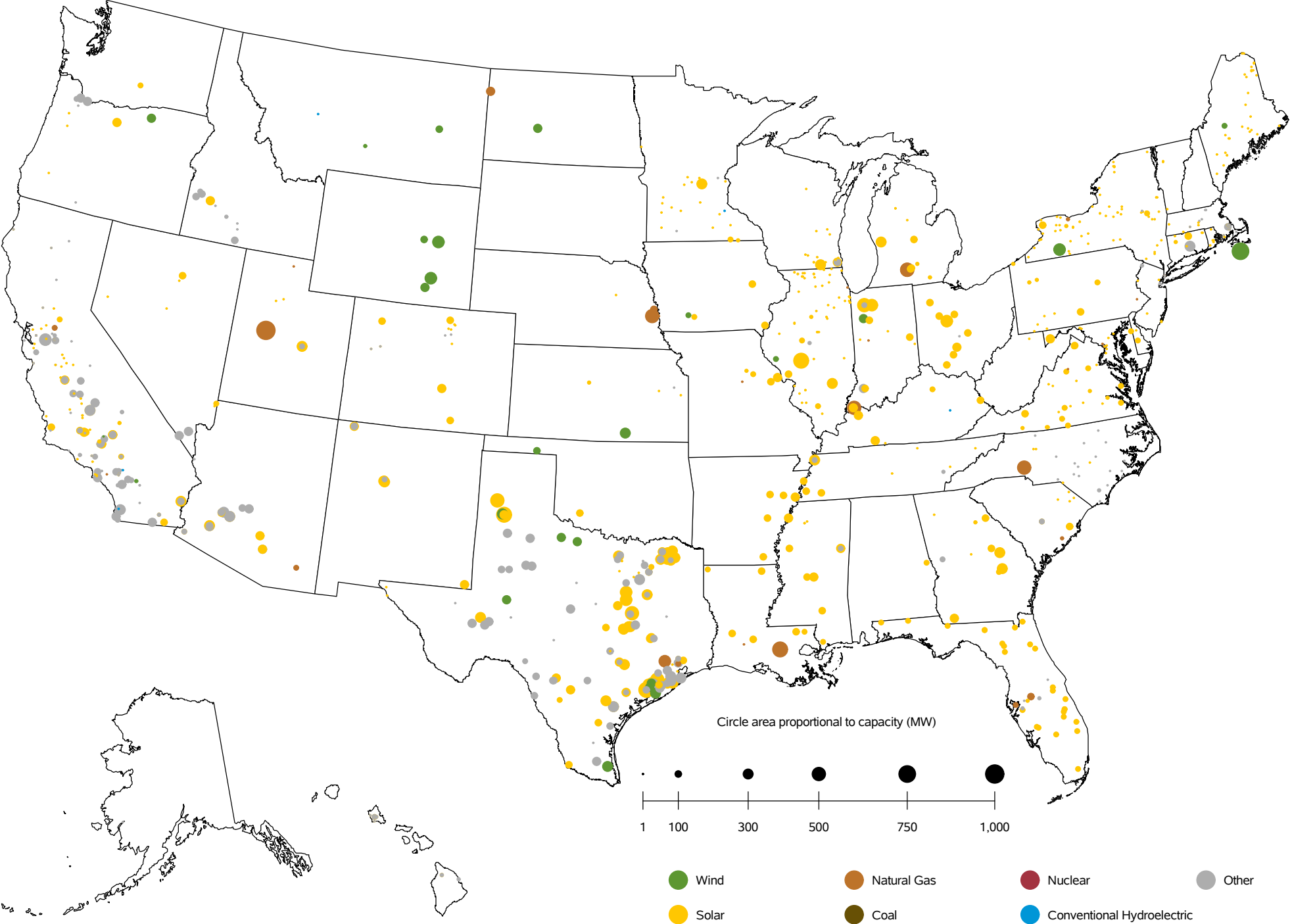
Sources: U.S. Energy Information Administration, Form EIA-860, 'Annual Electric Generator Report' and Form EIA-860M, 'Monthly Update to the Annual Electric Generator Report.'

Figure 6.1.B. Utility-Scale Generating Units Retired in July 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.'

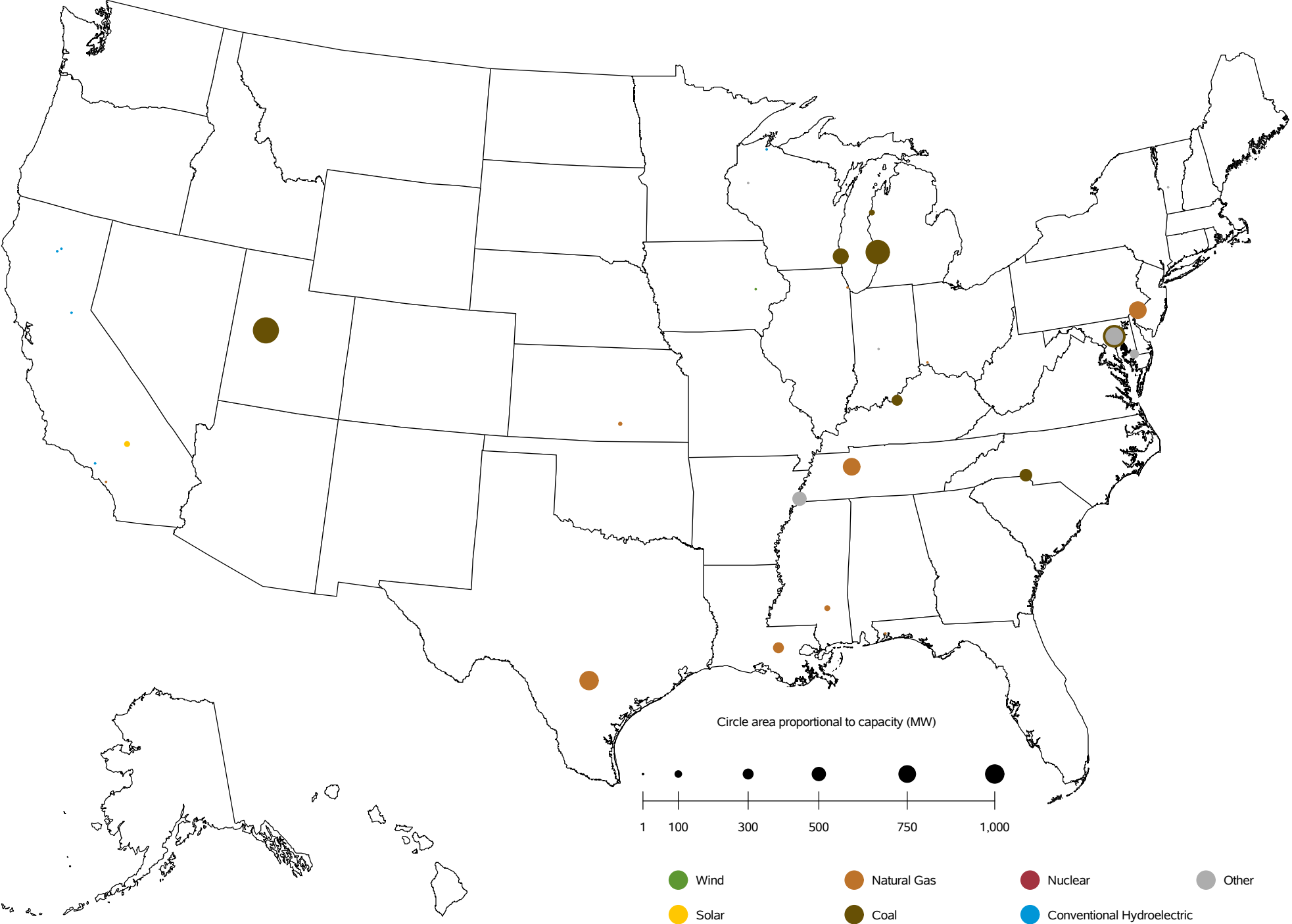
Figure 6.1.C. Utility-Scale Generating Units Planned to Come Online from August 2024 to July 2025



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 August 2024 to July 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	33,152,646	18,091,647	5,721,644	1,778,279	38,874,290	19,869,926	19,004,364
Year 2022							
January	4,042,047	1,308,758	425,753	161,512	4,467,800	1,470,270	2,997,530
February	3,215,153	1,171,627	144,626	367,552	3,359,779	1,539,179	1,820,600
March	3,388,199	1,207,760	293,001	477,405	3,681,200	1,685,165	1,996,035
April	3,552,599	934,026	317,755	440,121	3,870,354	1,374,147	2,496,207
May	4,010,343	1,025,038	364,183	582,820	4,374,526	1,607,858	2,766,668
June	5,123,334	641,211	391,371	489,104	5,514,705	1,130,315	4,384,390
July	6,295,212	766,185	443,070	507,701	6,738,282	1,273,886	5,464,396
August	6,810,768	765,145	418,236	550,822	7,229,004	1,315,967	5,913,037
Sept	4,683,783	867,176	504,443	483,658	5,188,226	1,350,834	3,837,392
October	3,740,536	838,388	399,055	413,166	4,139,591	1,251,554	2,888,037
November	3,067,640	562,777	466,374	344,579	3,534,014	907,356	2,626,658
December	4,257,789	563,118	615,033	288,673	4,872,822	851,791	4,021,031
Year 2023							
January	4,080,305	769,353	393,029	403,105	4,473,334	1,172,458	3,300,876
February	3,100,194	1,362,099	410,963	188,332	3,511,157	1,550,431	1,960,726
March	3,458,995	1,241,647	419,500	59,250	3,878,495	1,300,897	2,577,598
April	3,423,252	1,544,551	163,079	128,981	3,586,331	1,673,532	1,912,799
May	3,606,207	1,099,609	297,511	179,615	3,903,718	1,279,224	2,624,494
June	2,616,523	1,236,416	449,132	139,691	3,065,655	1,376,107	1,689,548
July	2,588,006	1,808,004	628,915	155,251	3,216,921	1,963,255	1,253,666
August	2,365,281	1,453,099	635,633	153,225	3,000,914	1,606,324	1,394,590
Sept	1,773,886	2,107,530	581,900	142,050	2,355,786	2,249,580	106,206
October	1,578,196	1,877,439	632,526	128,399	2,210,722	2,005,838	204,884
November	1,928,906	1,772,906	540,292	56,060	2,469,198	1,828,966	640,232
December	2,632,895	1,818,994	569,164	44,320	3,202,059	1,863,314	1,338,745
Year 2024							
January	2,962,963	1,650,615	650,173	225,723	3,613,136	1,876,338	1,736,798
February	2,074,024	2,221,825	464,965	156,777	2,538,989	2,378,602	160,387
March	1,677,169	2,419,779	529,864	135,813	2,207,033	2,555,592	-348,559
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 - July 2024 (Thousand Megawatthours)**

Period	Residential	Commercial	Industrial	Transportation	All Sectors
<b>Annual Totals</b>					
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
<b>Year 2022</b>					
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
<b>Year 2023</b>					
January	476	585	126	0	1,188
February	429	547	124	0	1,100
March	497	606	143	0	1,246
April	523	621	143	0	1,287
May	631	689	126	0	1,445
June	696	697	146	0	1,539
July	766	721	146	0	1,633
August	743	722	163	0	1,628
Sept	725	746	146	0	1,618
October	742	768	149	0	1,659
November	599	687	133	0	1,420
December	546	684	138	0	1,368
<b>Year 2024</b>					
January	492	633	108	0	1,233
February	475	613	132	0	1,220
March	616	699	132	0	1,446
April	608	657	145	0	1,410
May	637	772	103	0	1,512
June	760	698	143	0	1,601
July	807	733	131	0	1,670
<b>Year to Date</b>					
2022	3,918	4,402	1,056	0	9,375
2023	4,018	4,466	954	0	9,438
2024	4,394	4,804	895	0	10,093
<b>Rolling 12 Months Ending in July</b>					
2023	6,823	7,576	1,666	0	16,065
2024	7,749	8,411	1,625	0	17,786

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 - July 2024 (Million Dollars)**

Period	Residential	Commercial	Industrial	Transportation	All Sectors
<b>Annual Totals</b>					
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
<b>Year 2022</b>					
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
<b>Year 2023</b>					
January	108	147	29	0	283
February	101	144	30	0	275
March	124	167	37	0	328
April	128	167	36	0	332
May	152	187	31	0	371
June	154	145	32	0	331
July	184	198	39	0	421
August	174	180	37	0	390
Sept	143	158	28	0	329
October	178	194	37	0	409
November	128	151	27	0	306
December	103	138	26	0	268
<b>Year 2024</b>					
January	104	143	24	0	271
February	105	149	30	0	284
March	139	171	31	0	340
April	138	160	33	0	331
May	170	217	29	0	417
June	188	180	35	0	403
July	202	202	36	0	440
<b>Year to Date</b>					
2022	1,105	1,362	297	0	2,765
2023	951	1,157	234	0	2,342
2024	1,046	1,223	217	0	2,487
<b>Rolling 12 Months Ending in July</b>					
2023	1,747	2,130	442	0	4,319
2024	1,773	2,044	373	0	4,189

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 - July 2024**

Period	Residential	Commercial	Industrial	Transportation	All Sectors
<b>Annual Totals</b>					
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
<b>Year 2022</b>					
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
<b>Year 2023</b>					
January	1,374,717	128,300	589	0	1,503,606
February	1,375,176	128,310	588	0	1,504,074
March	1,376,298	128,038	580	0	1,504,916
April	1,377,070	127,609	580	0	1,505,259
May	1,378,115	127,666	579	0	1,506,360
June	1,379,369	127,596	580	0	1,507,545
July	1,380,020	127,635	581	0	1,508,236
August	1,380,809	127,610	580	0	1,508,999
Sept	1,381,572	127,764	581	0	1,509,917
October	1,382,416	127,594	582	0	1,510,592
November	1,383,057	127,671	583	0	1,511,311
December	1,383,477	127,688	585	0	1,511,750
<b>Year 2024</b>					
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
<b>Rolling 12 Months Ending in July</b>					
2023	1,375,771	127,977	585	0	1,504,332
2024	1,382,400	127,800	584	0	1,510,785

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 - July 2024 (Cents per Kilowatthour)**

Period	Residential	Commercial	Industrial	Transportation	All Sectors
<b>Annual Totals</b>					
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
<b>Year 2022</b>					
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
<b>Year 2023</b>					
January	22.58	25.12	22.80	--	23.86
February	23.60	26.38	23.90	--	25.01
March	24.84	27.63	26.16	--	26.35
April	24.45	26.98	25.39	--	25.77
May	24.17	27.22	24.95	--	25.69
June	22.12	20.83	21.97	--	21.52
July	24.06	27.44	26.60	--	25.78
August	23.39	24.93	22.46	--	23.98
Sept	19.68	21.17	19.44	--	20.35
October	24.02	25.22	25.00	--	24.66
November	21.44	21.93	20.19	--	21.56
December	18.92	20.17	19.14	--	19.56
<b>Year 2024</b>					
January	21.12	22.66	21.80	--	21.97
February	22.17	24.35	22.49	--	23.30
March	22.59	24.40	23.31	--	23.53
April	22.64	24.41	22.91	--	23.49
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
<b>Year to Date</b>					
2022	28.21	30.94	28.15	--	29.49
2023	23.66	25.90	24.57	--	24.81
2024	23.81	25.47	24.23	--	24.64
<b>Rolling 12 Months Ending in July</b>					
2023	25.61	28.11	26.54	--	26.89
2024	22.88	24.30	22.93	--	23.55

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-July 2024**

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

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

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



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

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
<b>New England</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>12</b>
Connecticut	0	50	0	2	0	0	52
Maine	0	19	0	10	0	0	14
Massachusetts	0	7	0	4	0	0	27
New Hampshire	0	40	0	0	0	0	34
Rhode Island	0	142	0	8	0	0	335
Vermont	0	45	0	0	0	0	23
<b>Middle Atlantic</b>	<b>6</b>	<b>13</b>	<b>0</b>	<b>1</b>	<b>26</b>	<b>0</b>	<b>3</b>
New Jersey	0	122	0	3	0	0	0
New York	0	15	0	2	0	0	2
Pennsylvania	6	28	0	1	37	0	20
<b>East North Central</b>	<b>0</b>	<b>32</b>	<b>20</b>	<b>2</b>	<b>7</b>	<b>0</b>	<b>16</b>
Illinois	0	30	0	5	0	0	72
Indiana	1	6	0	3	13	0	44
Michigan	0	53	0	2	0	0	30
Ohio	1	28	71	2	18	0	36
Wisconsin	0	332	0	5	0	0	23
<b>West North Central</b>	<b>0</b>	<b>67</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>11</b>
Iowa	0	138	0	8	0	0	25
Kansas	0	22	0	11	0	0	0
Minnesota	1	249	0	9	0	0	34
Missouri	0	27	0	8	0	0	24
Nebraska	3	383	0	21	0	0	34
North Dakota	0	83	0	23	0	0	26
South Dakota	0	255	0	19	0	0	17
<b>South Atlantic</b>	<b>0</b>	<b>5</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>11</b>
Delaware	0	77	0	7	0	0	0
District of Columbia	0	24,150	0	26	0	0	0
Florida	0	15	0	1	0	0	46
Georgia	0	20	176	3	0	0	14
Maryland	0	3	0	3	0	0	0
North Carolina	0	22	0	2	0	0	13
South Carolina	0	20	0	2	0	0	48
Virginia	0	14	0	2	0	0	15
West Virginia	1	0	0	11	0	0	18
<b>East South Central</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>6</b>
Alabama	0	65	0	2	0	0	10
Kentucky	0	18	0	3	0	0	9
Mississippi	0	2	0	1	0	0	0
Tennessee	0	1	0	3	0	0	9
<b>West South Central</b>	<b>0</b>	<b>13</b>	<b>154</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>14</b>
Arkansas	0	20	0	4	0	0	17
Louisiana	0	141	0	1	9	0	23
Oklahoma	0	6	0	2	0	0	25
Texas	0	20	154	1	3	0	35
<b>Mountain</b>	<b>1</b>	<b>60</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>6</b>
Arizona	0	36	0	0	0	0	6
Colorado	0	292	0	2	0	0	25
Idaho	295	0	0	13	0	0	13
Montana	6	190	0	24	0	0	11
Nevada	0	0	0	1	0	0	3
New Mexico	0	1,149	0	3	0	0	104
Utah	0	2	0	2	0	0	47
Wyoming	3	2	0	3	5	0	40
<b>Pacific Contiguous</b>	<b>0</b>	<b>71</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>3</b>
California	0	94	0	1	0	0	8
Oregon	0	471	0	4	0	0	5
Washington	0	110	0	6	0	0	1
<b>Pacific Noncontiguous</b>	<b>24</b>	<b>6</b>	<b>0</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>26</b>
Alaska	24	21	0	21	0	0	27
Hawaii	0	5	0	0	0	0	79
<b>U.S. Total</b>	<b>0</b>	<b>6</b>	<b>14</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>2</b>

Displayed values of zero may 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, July 2024 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
<b>New England</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>1</b>
Connecticut	0	0	0	10	9	0	0	1
Maine	0	0	0	8	6	0	0	6
Massachusetts	0	0	0	6	5	0	0	3
New Hampshire	0	0	0	131	27	0	0	2
Rhode Island	0	0	0	10	8	0	0	7
Vermont	0	0	0	13	13	0	0	13
<b>Middle Atlantic</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>1</b>
New Jersey	0	0	0	7	5	0	0	2
New York	0	0	0	5	3	0	4	1
Pennsylvania	0	0	0	6	5	0	0	1
<b>East North Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>1</b>
Illinois	0	0	0	3	2	0	0	1
Indiana	0	0	0	2	3	0	0	1
Michigan	0	0	0	4	4	0	18	1
Ohio	0	0	0	1	1	0	0	1
Wisconsin	0	0	0	2	3	0	24	2
<b>West North Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>12</b>	<b>1</b>
Iowa	0	0	0	5	2	0	0	2
Kansas	0	0	0	22	1	0	0	2
Minnesota	0	0	0	5	3	0	12	3
Missouri	0	0	0	20	2	0	0	2
Nebraska	0	0	0	10	3	0	0	4
North Dakota	0	0	0	0	4	0	66	2
South Dakota	0	0	0	1	2	0	0	6
<b>South Atlantic</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>
Delaware	0	0	0	11	14	0	0	7
District of Columbia	0	0	0	46	23	0	0	18
Florida	0	0	0	0	1	0	1	1
Georgia	0	0	0	1	2	0	0	1
Maryland	0	0	0	7	5	0	0	1
North Carolina	0	0	0	2	2	0	0	1
South Carolina	0	0	0	3	3	0	0	1
Virginia	0	0	0	2	3	0	0	1
West Virginia	0	0	0	12	3	0	0	1
<b>East South Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>
Alabama	0	0	0	2	4	0	0	1
Kentucky	0	0	0	6	11	0	0	1
Mississippi	0	0	0	1	2	0	0	1
Tennessee	0	0	0	4	4	0	0	1
<b>West South Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>1</b>
Arkansas	0	0	0	2	3	0	0	2
Louisiana	0	0	0	2	4	0	0	1
Oklahoma	0	0	0	5	1	0	0	1
Texas	0	0	0	0	1	0	6	1
<b>Mountain</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>
Arizona	0	0	0	1	1	0	0	0
Colorado	0	0	0	2	1	0	0	1
Idaho	0	34	0	2	6	0	0	7
Montana	0	0	0	0	2	0	0	5
Nevada	0	7	0	1	2	0	0	1
New Mexico	0	0	0	2	1	0	0	1
Utah	0	17	0	1	1	0	20	1
Wyoming	0	0	0	0	4	0	0	2
<b>Pacific Contiguous</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>
California	0	4	0	1	1	0	1	1
Oregon	0	23	0	3	3	0	0	3
Washington	0	0	0	4	5	0	0	1
<b>Pacific Noncontiguous</b>	<b>0</b>	<b>29</b>	<b>0</b>	<b>5</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>7</b>
Alaska	0	0	0	88	36	0	0	14
Hawaii	0	29	0	5	6	0	0	4
<b>U.S. Total</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Displayed values of zero may 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 July 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
<b>New England</b>	<b>0</b>	<b>15</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>12</b>
Connecticut	0	50	0	2	0	0	52
Maine	0	19	0	10	0	0	14
Massachusetts	0	7	0	4	0	0	27
New Hampshire	0	40	0	0	0	0	34
Rhode Island	0	142	0	8	0	0	335
Vermont	0	45	0	0	0	0	23
<b>Middle Atlantic</b>	<b>6</b>	<b>13</b>	<b>0</b>	<b>1</b>	<b>26</b>	<b>0</b>	<b>3</b>
New Jersey	0	122	0	3	0	0	0
New York	0	15	0	2	0	0	2
Pennsylvania	6	28	0	1	37	0	20
<b>East North Central</b>	<b>0</b>	<b>32</b>	<b>20</b>	<b>2</b>	<b>7</b>	<b>0</b>	<b>16</b>
Illinois	0	30	0	5	0	0	72
Indiana	1	6	0	3	13	0	44
Michigan	0	53	0	2	0	0	30
Ohio	1	28	71	2	18	0	36
Wisconsin	0	332	0	5	0	0	23
<b>West North Central</b>	<b>0</b>	<b>67</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>11</b>
Iowa	0	138	0	8	0	0	25
Kansas	0	22	0	11	0	0	0
Minnesota	1	249	0	9	0	0	34
Missouri	0	27	0	8	0	0	24
Nebraska	3	383	0	21	0	0	34
North Dakota	0	83	0	23	0	0	26
South Dakota	0	255	0	19	0	0	17
<b>South Atlantic</b>	<b>0</b>	<b>5</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>11</b>
Delaware	0	77	0	7	0	0	0
District of Columbia	0	24,150	0	26	0	0	0
Florida	0	15	0	1	0	0	46
Georgia	0	20	176	3	0	0	14
Maryland	0	3	0	3	0	0	0
North Carolina	0	22	0	2	0	0	13
South Carolina	0	20	0	2	0	0	48
Virginia	0	14	0	2	0	0	15
West Virginia	1	0	0	11	0	0	18
<b>East South Central</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>6</b>
Alabama	0	65	0	2	0	0	10
Kentucky	0	18	0	3	0	0	9
Mississippi	0	2	0	1	0	0	0
Tennessee	0	1	0	3	0	0	9
<b>West South Central</b>	<b>0</b>	<b>13</b>	<b>154</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>14</b>
Arkansas	0	20	0	4	0	0	17
Louisiana	0	141	0	1	9	0	23
Oklahoma	0	6	0	2	0	0	25
Texas	0	20	154	1	3	0	35
<b>Mountain</b>	<b>1</b>	<b>60</b>	<b>0</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>6</b>
Arizona	0	36	0	0	0	0	6
Colorado	0	292	0	2	0	0	25
Idaho	295	0	0	13	0	0	13
Montana	6	190	0	24	0	0	11
Nevada	0	0	0	1	0	0	3
New Mexico	0	1,149	0	3	0	0	104
Utah	0	2	0	2	0	0	47
Wyoming	3	2	0	3	5	0	40
<b>Pacific Contiguous</b>	<b>0</b>	<b>71</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>3</b>
California	0	94	0	1	0	0	8
Oregon	0	471	0	4	0	0	5
Washington	0	110	0	6	0	0	1
<b>Pacific Noncontiguous</b>	<b>24</b>	<b>6</b>	<b>0</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>26</b>
Alaska	24	21	0	21	0	0	27
Hawaii	0	5	0	0	0	0	79
<b>U.S. Total</b>	<b>0</b>	<b>6</b>	<b>14</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>2</b>

Displayed values of zero may 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 July 2024 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
<b>New England</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>1</b>
Connecticut	0	0	0	10	9	0	0	1
Maine	0	0	0	8	6	0	0	6
Massachusetts	0	0	0	6	5	0	0	3
New Hampshire	0	0	0	131	27	0	0	2
Rhode Island	0	0	0	10	8	0	0	7
Vermont	0	0	0	13	13	0	0	13
<b>Middle Atlantic</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>1</b>
New Jersey	0	0	0	7	5	0	0	2
New York	0	0	0	5	3	0	4	1
Pennsylvania	0	0	0	6	5	0	0	1
<b>East North Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>1</b>
Illinois	0	0	0	3	2	0	0	1
Indiana	0	0	0	2	3	0	0	1
Michigan	0	0	0	4	4	0	18	1
Ohio	0	0	0	1	1	0	0	1
Wisconsin	0	0	0	2	3	0	24	2
<b>West North Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>12</b>	<b>1</b>
Iowa	0	0	0	5	2	0	0	2
Kansas	0	0	0	22	1	0	0	2
Minnesota	0	0	0	5	3	0	12	3
Missouri	0	0	0	20	2	0	0	2
Nebraska	0	0	0	10	3	0	0	4
North Dakota	0	0	0	0	4	0	66	2
South Dakota	0	0	0	1	2	0	0	6
<b>South Atlantic</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>
Delaware	0	0	0	11	14	0	0	7
District of Columbia	0	0	0	46	23	0	0	18
Florida	0	0	0	0	1	0	1	1
Georgia	0	0	0	1	2	0	0	1
Maryland	0	0	0	7	5	0	0	1
North Carolina	0	0	0	2	2	0	0	1
South Carolina	0	0	0	3	3	0	0	1
Virginia	0	0	0	2	3	0	0	1
West Virginia	0	0	0	12	3	0	0	1
<b>East South Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>
Alabama	0	0	0	2	4	0	0	1
Kentucky	0	0	0	6	11	0	0	1
Mississippi	0	0	0	1	2	0	0	1
Tennessee	0	0	0	4	4	0	0	1
<b>West South Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>4</b>	<b>1</b>
Arkansas	0	0	0	2	3	0	0	2
Louisiana	0	0	0	2	4	0	0	1
Oklahoma	0	0	0	5	1	0	0	1
Texas	0	0	0	0	1	0	6	1
<b>Mountain</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>
Arizona	0	0	0	1	1	0	0	0
Colorado	0	0	0	2	1	0	0	1
Idaho	0	34	0	2	6	0	0	7
Montana	0	0	0	0	2	0	0	5
Nevada	0	7	0	1	2	0	0	1
New Mexico	0	0	0	2	1	0	0	1
Utah	0	17	0	1	1	0	20	1
Wyoming	0	0	0	0	4	0	0	2
<b>Pacific Contiguous</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>
California	0	4	0	1	1	0	1	1
Oregon	0	23	0	3	3	0	0	3
Washington	0	0	0	4	5	0	0	1
<b>Pacific Noncontiguous</b>	<b>0</b>	<b>29</b>	<b>0</b>	<b>5</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>7</b>
Alaska	0	0	0	88	36	0	0	14
Hawaii	0	29	0	5	6	0	0	4
<b>U.S. Total</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

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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, July 2024**

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
<b>New England</b>	<b>0</b>	<b>0</b>	<b>1</b>	.	<b>0</b>
Connecticut	0	1	0	.	0
Maine	0	0	0	.	0
Massachusetts	0	1	3	.	1
New Hampshire	0	0	0	.	0
Rhode Island	0	0	0	.	0
Vermont	5	2	0	.	3
<b>Middle Atlantic</b>	<b>0</b>	<b>0</b>	<b>2</b>	.	<b>0</b>
New Jersey	0	0	3	.	0
New York	0	0	1	.	0
Pennsylvania	1	2	0	.	1
<b>East North Central</b>	<b>2</b>	<b>1</b>	<b>5</b>	.	<b>1</b>
Illinois	2	1	55	.	1
Indiana	9	1	25	.	4
Michigan	4	5	62	.	3
Ohio	5	2	1	.	3
Wisconsin	6	5	15	.	4
<b>West North Central</b>	<b>2</b>	<b>1</b>	<b>1</b>	.	<b>1</b>
Iowa	4	2	1	.	2
Kansas	4	4	0	.	3
Minnesota	5	4	1	.	3
Missouri	3	2	4	.	2
Nebraska	6	12	0	.	5
North Dakota	0	141	0	.	53
South Dakota	0	0	0	.	0
<b>South Atlantic</b>	<b>1</b>	<b>3</b>	<b>11</b>	.	<b>1</b>
Delaware	6	6	81	.	7
District of Columbia	0	0	0	.	0
Florida	2	9	8	.	2
Georgia	33	28	0	.	26
Maryland	2	4	33	.	2
North Carolina	5	7	0	.	4
South Carolina	7	11	0	.	6
Virginia	4	4	9	.	3
West Virginia	0	0	0	.	0
<b>East South Central</b>	<b>2</b>	<b>6</b>	<b>34</b>	.	<b>2</b>
Alabama	0	0	0	.	0
Kentucky	3	7	0	.	2
Mississippi	5	10	207	.	5
Tennessee	0	0	0	.	0
<b>West South Central</b>	<b>3</b>	<b>4</b>	<b>33</b>	.	<b>3</b>
Arkansas	6	6	36	.	6
Louisiana	5	13	0	.	5
Oklahoma	7	8	0	.	6
Texas	5	6	415	.	4
<b>Mountain</b>	<b>1</b>	<b>0</b>	<b>14</b>	.	<b>0</b>
Arizona	1	0	0	.	0
Colorado	2	1	45	.	2
Idaho	2	4	0	.	2
Montana	3	0	0	.	3
Nevada	1	0	0	.	0
New Mexico	3	1	0	.	2
Utah	2	1	0	.	1
Wyoming	4	0	0	.	4
<b>Pacific Contiguous</b>	<b>0</b>	<b>0</b>	<b>0</b>	.	<b>0</b>
California	0	0	0	.	0
Oregon	1	1	4	.	1
Washington	2	3	19	.	2
<b>Pacific Noncontiguous</b>	<b>0</b>	<b>0</b>	<b>0</b>	.	<b>0</b>
Alaska	0	0	0	.	0
Hawaii	0	0	0	.	0
<b>U.S. Total</b>	<b>0</b>	<b>0</b>	<b>1</b>	.	<b>0</b>

Displayed values of zero may 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, July 2024**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
<b>New England</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>76</b>	<b>0</b>	<b>0</b>	<b>29</b>
Connecticut	0	34	0	0	0	0	40
Maine	0	0	0	0	0	0	0
Massachusetts	0	10	0	82	0	0	52
New Hampshire	0	0	0	0	0	0	279
Rhode Island	0	0	0	0	0	0	0
Vermont	0	45	0	0	0	0	37
<b>Middle Atlantic</b>	<b>0</b>	<b>31</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>1</b>
New Jersey	0	0	0	67	0	0	0
New York	0	31	0	4	0	0	1
Pennsylvania	0	48	0	0	0	0	0
<b>East North Central</b>	<b>0</b>	<b>54</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>17</b>
Illinois	0	50	0	14	0	0	83
Indiana	1	6	0	5	0	0	42
Michigan	0	55	0	4	0	0	30
Ohio	7	47	0	7	0	0	47
Wisconsin	0	337	0	5	0	0	26
<b>West North Central</b>	<b>0</b>	<b>68</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>11</b>
Iowa	0	143	0	8	0	0	25
Kansas	0	22	0	11	0	0	0
Minnesota	0	269	0	11	0	0	43
Missouri	0	27	0	10	0	0	24
Nebraska	3	383	0	21	0	0	34
North Dakota	0	83	0	23	0	0	26
South Dakota	0	255	0	19	0	0	17
<b>South Atlantic</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>12</b>
Delaware	0	0	0	0	0	0	0
Florida	0	16	0	1	0	0	46
Georgia	0	46	0	3	0	0	14
Maryland	0	8	0	1	0	0	0
North Carolina	0	22	0	1	0	0	14
South Carolina	0	25	0	3	0	0	44
Virginia	0	29	0	2	0	0	15
West Virginia	0	0	0	0	0	0	26
<b>East South Central</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>6</b>
Alabama	0	37	0	3	0	0	10
Kentucky	0	18	0	3	0	0	9
Mississippi	0	3	0	1	0	0	0
Tennessee	0	1	0	3	0	0	9
<b>West South Central</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>16</b>
Arkansas	0	24	0	4	0	0	17
Louisiana	0	141	0	1	0	0	0
Oklahoma	0	6	0	3	0	0	25
Texas	0	28	0	3	0	0	41
<b>Mountain</b>	<b>1</b>	<b>65</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>6</b>
Arizona	0	36	0	1	0	0	6
Colorado	0	296	0	2	0	0	27
Idaho	0	0	0	15	0	0	13
Montana	0	2,614	0	29	0	0	11
Nevada	0	0	0	1	0	0	0
New Mexico	0	1,149	0	4	0	0	104
Utah	0	2	0	2	0	0	48
Wyoming	3	2	0	4	0	0	41
<b>Pacific Contiguous</b>	<b>0</b>	<b>159</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>
California	0	134	0	1	0	0	7
Oregon	0	558	0	8	0	0	5
Washington	0	1,768	0	8	0	0	1
<b>Pacific Noncontiguous</b>	<b>30</b>	<b>7</b>	<b>0</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>28</b>
Alaska	30	22	0	21	0	0	28
Hawaii	0	7	0	0	0	0	0
<b>U.S. Total</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2</b>

Displayed values of zero may 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, July 2024 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
<b>New England</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>23</b>
Connecticut	0	0	0	0	0	0	0	16
Maine	0	0	0	0	0	0	0	0
Massachusetts	0	0	0	25	25	0	0	42
New Hampshire	0	0	0	0	0	0	0	279
Rhode Island	0	0	0	0	0	0	0	0
Vermont	0	0	0	4	8	0	0	16
<b>Middle Atlantic</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>2</b>
New Jersey	0	0	0	23	23	0	0	45
New York	0	0	0	0	0	0	0	2
Pennsylvania	0	0	0	0	0	0	0	1
<b>East North Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>8</b>	<b>1</b>
Illinois	0	0	0	48	47	0	0	12
Indiana	0	0	0	3	4	0	0	2
Michigan	0	0	0	17	5	0	0	1
Ohio	0	0	0	96	111	0	0	5
Wisconsin	0	0	0	2	3	0	24	3
<b>West North Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>2</b>	<b>0</b>	<b>7</b>	<b>1</b>
Iowa	0	0	0	8	2	0	0	3
Kansas	0	0	0	66	4	0	0	2
Minnesota	0	0	0	18	6	0	0	4
Missouri	0	0	0	41	2	0	0	2
Nebraska	0	0	0	90	36	0	0	4
North Dakota	0	0	0	0	7	0	66	3
South Dakota	0	0	0	0	11	0	0	10
<b>South Atlantic</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>
Delaware	0	0	0	100	100	0	0	4
District of Columbia	0	0	0	76	76	0	0	76
Florida	0	0	0	0	0	0	0	0
Georgia	0	0	0	6	6	0	0	1
Maryland	0	0	0	90	90	0	0	1
North Carolina	0	0	0	5	5	0	0	1
South Carolina	0	0	0	90	50	0	0	1
Virginia	0	0	0	3	7	0	0	1
West Virginia	0	0	0	56	56	0	0	0
<b>East South Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>1</b>
Alabama	0	0	0	51	51	0	0	1
Kentucky	0	0	0	33	33	0	0	1
Mississippi	0	0	0	13	13	0	0	1
Tennessee	0	0	0	157	157	0	0	1
<b>West South Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>
Arkansas	0	0	0	8	8	0	0	2
Louisiana	0	0	0	41	41	0	0	1
Oklahoma	0	0	0	25	1	0	0	2
Texas	0	0	0	68	13	0	0	2
<b>Mountain</b>	<b>0</b>	<b>22</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>5</b>	<b>1</b>
Arizona	0	0	0	8	8	0	0	0
Colorado	0	0	0	70	2	0	0	1
Idaho	0	0	0	0	11	0	0	10
Montana	0	0	0	0	13	0	0	10
Nevada	0	0	0	2	2	0	0	0
New Mexico	0	0	0	12	2	0	0	2
Utah	0	22	0	18	19	0	39	1
Wyoming	0	0	0	0	7	0	0	2
<b>Pacific Contiguous</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>1</b>
California	0	0	0	14	3	0	0	3
Oregon	0	0	0	108	4	0	0	4
Washington	0	0	0	91	8	0	0	1
<b>Pacific Noncontiguous</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>9</b>
Alaska	0	0	0	188	69	0	0	14
Hawaii	0	0	0	22	17	0	0	7
<b>U.S. Total</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>

Displayed values of zero may 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 July 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
<b>New England</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>76</b>	<b>0</b>	<b>0</b>	<b>29</b>
Connecticut	0	34	0	0	0	0	40
Maine	0	0	0	0	0	0	0
Massachusetts	0	10	0	82	0	0	52
New Hampshire	0	0	0	0	0	0	279
Rhode Island	0	0	0	0	0	0	0
Vermont	0	45	0	0	0	0	37
<b>Middle Atlantic</b>	<b>0</b>	<b>31</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>1</b>
New Jersey	0	0	0	67	0	0	0
New York	0	31	0	4	0	0	1
Pennsylvania	0	48	0	0	0	0	0
<b>East North Central</b>	<b>0</b>	<b>54</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>17</b>
Illinois	0	50	0	14	0	0	83
Indiana	1	6	0	5	0	0	42
Michigan	0	55	0	4	0	0	30
Ohio	7	47	0	7	0	0	47
Wisconsin	0	337	0	5	0	0	26
<b>West North Central</b>	<b>0</b>	<b>68</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>11</b>
Iowa	0	143	0	8	0	0	25
Kansas	0	22	0	11	0	0	0
Minnesota	0	269	0	11	0	0	43
Missouri	0	27	0	10	0	0	24
Nebraska	3	383	0	21	0	0	34
North Dakota	0	83	0	23	0	0	26
South Dakota	0	255	0	19	0	0	17
<b>South Atlantic</b>	<b>0</b>	<b>9</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>12</b>
Delaware	0	0	0	0	0	0	0
Florida	0	16	0	1	0	0	46
Georgia	0	46	0	3	0	0	14
Maryland	0	8	0	1	0	0	0
North Carolina	0	22	0	1	0	0	14
South Carolina	0	25	0	3	0	0	44
Virginia	0	29	0	2	0	0	15
West Virginia	0	0	0	0	0	0	26
<b>East South Central</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>6</b>
Alabama	0	37	0	3	0	0	10
Kentucky	0	18	0	3	0	0	9
Mississippi	0	3	0	1	0	0	0
Tennessee	0	1	0	3	0	0	9
<b>West South Central</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>16</b>
Arkansas	0	24	0	4	0	0	17
Louisiana	0	141	0	1	0	0	0
Oklahoma	0	6	0	3	0	0	25
Texas	0	28	0	3	0	0	41
<b>Mountain</b>	<b>1</b>	<b>65</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>6</b>
Arizona	0	36	0	1	0	0	6
Colorado	0	296	0	2	0	0	27
Idaho	0	0	0	15	0	0	13
Montana	0	2,614	0	29	0	0	11
Nevada	0	0	0	1	0	0	0
New Mexico	0	1,149	0	4	0	0	104
Utah	0	2	0	2	0	0	48
Wyoming	3	2	0	4	0	0	41
<b>Pacific Contiguous</b>	<b>0</b>	<b>159</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>2</b>
California	0	134	0	1	0	0	7
Oregon	0	558	0	8	0	0	5
Washington	0	1,768	0	8	0	0	1
<b>Pacific Noncontiguous</b>	<b>30</b>	<b>7</b>	<b>0</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>28</b>
Alaska	30	22	0	21	0	0	28
Hawaii	0	7	0	0	0	0	0
<b>U.S. Total</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2</b>

Displayed values of zero may 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 July 2024 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
<b>New England</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>13</b>	<b>9</b>	<b>0</b>	<b>0</b>	<b>23</b>
Connecticut	0	0	0	0	0	0	0	16
Maine	0	0	0	0	0	0	0	0
Massachusetts	0	0	0	25	25	0	0	42
New Hampshire	0	0	0	0	0	0	0	279
Rhode Island	0	0	0	0	0	0	0	0
Vermont	0	0	0	4	8	0	0	16
<b>Middle Atlantic</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>2</b>
New Jersey	0	0	0	23	23	0	0	45
New York	0	0	0	0	0	0	0	2
Pennsylvania	0	0	0	0	0	0	0	1
<b>East North Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>8</b>	<b>1</b>
Illinois	0	0	0	48	47	0	0	12
Indiana	0	0	0	3	4	0	0	2
Michigan	0	0	0	17	5	0	0	1
Ohio	0	0	0	96	111	0	0	5
Wisconsin	0	0	0	2	3	0	24	3
<b>West North Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>2</b>	<b>0</b>	<b>7</b>	<b>1</b>
Iowa	0	0	0	8	2	0	0	3
Kansas	0	0	0	66	4	0	0	2
Minnesota	0	0	0	18	6	0	0	4
Missouri	0	0	0	41	2	0	0	2
Nebraska	0	0	0	90	36	0	0	4
North Dakota	0	0	0	0	7	0	66	3
South Dakota	0	0	0	0	11	0	0	10
<b>South Atlantic</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>
Delaware	0	0	0	100	100	0	0	4
District of Columbia	0	0	0	76	76	0	0	76
Florida	0	0	0	0	0	0	0	0
Georgia	0	0	0	6	6	0	0	1
Maryland	0	0	0	90	90	0	0	1
North Carolina	0	0	0	5	5	0	0	1
South Carolina	0	0	0	90	50	0	0	1
Virginia	0	0	0	3	7	0	0	1
West Virginia	0	0	0	56	56	0	0	0
<b>East South Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>17</b>	<b>21</b>	<b>0</b>	<b>0</b>	<b>1</b>
Alabama	0	0	0	51	51	0	0	1
Kentucky	0	0	0	33	33	0	0	1
Mississippi	0	0	0	13	13	0	0	1
Tennessee	0	0	0	157	157	0	0	1
<b>West South Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>9</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>
Arkansas	0	0	0	8	8	0	0	2
Louisiana	0	0	0	41	41	0	0	1
Oklahoma	0	0	0	25	1	0	0	2
Texas	0	0	0	68	13	0	0	2
<b>Mountain</b>	<b>0</b>	<b>22</b>	<b>0</b>	<b>4</b>	<b>2</b>	<b>0</b>	<b>5</b>	<b>1</b>
Arizona	0	0	0	8	8	0	0	0
Colorado	0	0	0	70	2	0	0	1
Idaho	0	0	0	0	11	0	0	10
Montana	0	0	0	0	13	0	0	10
Nevada	0	0	0	2	2	0	0	0
New Mexico	0	0	0	12	2	0	0	2
Utah	0	22	0	18	19	0	39	1
Wyoming	0	0	0	0	7	0	0	2
<b>Pacific Contiguous</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>1</b>
California	0	0	0	14	3	0	0	3
Oregon	0	0	0	108	4	0	0	4
Washington	0	0	0	91	8	0	0	1
<b>Pacific Noncontiguous</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>23</b>	<b>25</b>	<b>0</b>	<b>0</b>	<b>9</b>
Alaska	0	0	0	188	69	0	0	14
Hawaii	0	0	0	22	17	0	0	7
<b>U.S. Total</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>0</b>

Displayed values of zero may 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, July 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
<b>New England</b>	<b>0</b>	<b>22</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>13</b>
Connecticut	0	51	0	2	0	0	59
Maine	0	25	0	10	0	0	14
Massachusetts	0	7	0	4	0	0	31
New Hampshire	0	54	0	0	0	0	34
Rhode Island	0	144	0	8	0	0	335
Vermont	0	0	0	0	0	0	28
<b>Middle Atlantic</b>	<b>6</b>	<b>15</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>17</b>
New Jersey	0	124	0	3	0	0	0
New York	0	16	0	2	0	0	13
Pennsylvania	6	30	0	1	0	0	20
<b>East North Central</b>	<b>0</b>	<b>27</b>	<b>71</b>	<b>2</b>	<b>8</b>	<b>0</b>	<b>47</b>
Illinois	0	36	0	5	0	0	127
Indiana	0	0	0	0	0	0	0
Michigan	0	0	0	2	0	0	128
Ohio	0	29	71	2	29	0	56
Wisconsin	0	0	0	0	0	0	105
<b>West North Central</b>	<b>0</b>	<b>659</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>58</b>
Iowa	0	58	0	863	0	0	0
Kansas	0	0	0	0	0	0	0
Minnesota	0	1,579	0	13	0	0	73
Missouri	0	0	0	3	0	0	0
South Dakota	0	0	0	0	0	0	0
<b>South Atlantic</b>	<b>5</b>	<b>4</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>14</b>
Delaware	0	77	0	9	0	0	0
Florida	0	63	0	6	0	0	0
Georgia	0	249	0	9	0	0	356
Maryland	0	3	0	3	0	0	0
North Carolina	0	209	0	7	0	0	29
South Carolina	0	58	0	10	0	0	123
Virginia	0	4	0	2	0	0	60
West Virginia	8	0	0	17	0	0	41
<b>East South Central</b>	<b>0</b>	<b>160</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28</b>
Alabama	0	160	0	0	0	0	0
Kentucky	0	0	0	0	0	0	223
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	28
<b>West South Central</b>	<b>0</b>	<b>25</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>21</b>
Arkansas	0	0	0	0	0	0	61
Louisiana	0	0	0	8	0	0	23
Oklahoma	0	0	0	0	0	0	0
Texas	0	26	0	1	0	0	0
<b>Mountain</b>	<b>5</b>	<b>8</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>32</b>
Arizona	0	0	0	0	0	0	0
Colorado	0	0	0	8	0	0	65
Idaho	0	0	0	29	0	0	44
Montana	6	9	0	18	0	0	99
Nevada	0	0	0	0	0	0	77
New Mexico	0	0	0	4	0	0	0
Utah	0	0	0	57	0	0	0
Wyoming	0	0	0	0	0	0	0
<b>Pacific Contiguous</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>36</b>
California	0	0	0	1	0	0	42
Oregon	0	0	0	2	0	0	78
Washington	0	8	0	9	0	0	75
<b>Pacific Noncontiguous</b>	<b>61</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Alaska	61	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0
<b>U.S. Total</b>	<b>1</b>	<b>4</b>	<b>44</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>10</b>

Displayed values of zero may 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, July 2024 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
<b>New England</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>1</b>
Connecticut	0	0	0	10	9	0	0	1
Maine	0	0	0	8	7	0	0	6
Massachusetts	0	0	0	6	6	0	0	3
New Hampshire	0	0	0	131	27	0	0	2
Rhode Island	0	0	0	10	8	0	0	7
Vermont	0	0	0	19	23	0	0	19
<b>Middle Atlantic</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>1</b>
New Jersey	0	0	0	7	6	0	0	2
New York	0	0	0	5	4	0	0	2
Pennsylvania	0	0	0	6	5	0	0	1
<b>East North Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>28</b>	<b>1</b>
Illinois	0	0	0	3	2	0	0	1
Indiana	0	0	0	3	4	0	0	1
Michigan	0	0	0	4	6	0	37	2
Ohio	0	0	0	1	1	0	0	1
Wisconsin	0	0	0	10	8	0	0	1
<b>West North Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2</b>
Iowa	0	0	0	6	3	0	0	3
Kansas	0	0	0	21	2	0	0	2
Minnesota	0	0	0	5	4	0	0	6
Missouri	0	0	0	20	3	0	0	2
Nebraska	0	0	0	10	3	0	0	3
North Dakota	0	0	0	0	4	0	0	4
South Dakota	0	0	0	1	2	0	0	2
<b>South Atlantic</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
Delaware	0	0	0	10	15	0	0	8
District of Columbia	0	0	0	47	47	0	0	47
Florida	0	0	0	4	4	0	0	5
Georgia	0	0	0	1	1	0	0	5
Maryland	0	0	0	7	5	0	0	1
North Carolina	0	0	0	2	2	0	0	3
South Carolina	0	0	0	3	4	0	0	4
Virginia	0	0	0	2	3	0	0	2
West Virginia	0	0	0	10	2	0	0	7
<b>East South Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>
Alabama	0	0	0	2	3	0	0	0
Kentucky	0	0	0	4	6	0	0	2
Mississippi	0	0	0	1	1	0	0	1
Tennessee	0	0	0	4	5	0	0	9
<b>West South Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>
Arkansas	0	0	0	2	2	0	0	1
Louisiana	0	0	0	2	3	0	0	6
Oklahoma	0	0	0	1	2	0	0	1
Texas	0	0	0	0	1	0	0	1
<b>Mountain</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
Arizona	0	0	0	1	1	0	0	0
Colorado	0	0	0	2	2	0	0	2
Idaho	0	34	0	3	6	0	0	12
Montana	0	0	0	0	2	0	0	4
Nevada	0	7	0	1	2	0	0	1
New Mexico	0	0	0	2	1	0	0	1
Utah	0	22	0	1	1	0	0	1
Wyoming	0	0	0	0	3	0	0	3
<b>Pacific Contiguous</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
California	0	4	0	1	1	0	0	1
Oregon	0	23	0	3	3	0	0	2
Washington	0	0	0	4	6	0	0	5
<b>Pacific Noncontiguous</b>	<b>0</b>	<b>29</b>	<b>0</b>	<b>5</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>4</b>
Alaska	0	0	0	100	70	0	0	48
Hawaii	0	29	0	4	6	0	0	3
<b>U.S. Total</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Displayed values of zero may 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 July 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
<b>New England</b>	<b>0</b>	<b>22</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>13</b>
Connecticut	0	51	0	2	0	0	59
Maine	0	25	0	10	0	0	14
Massachusetts	0	7	0	4	0	0	31
New Hampshire	0	54	0	0	0	0	34
Rhode Island	0	144	0	8	0	0	335
Vermont	0	0	0	0	0	0	28
<b>Middle Atlantic</b>	<b>6</b>	<b>15</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>17</b>
New Jersey	0	124	0	3	0	0	0
New York	0	16	0	2	0	0	13
Pennsylvania	6	30	0	1	0	0	20
<b>East North Central</b>	<b>0</b>	<b>27</b>	<b>71</b>	<b>2</b>	<b>8</b>	<b>0</b>	<b>47</b>
Illinois	0	36	0	5	0	0	127
Indiana	0	0	0	0	0	0	0
Michigan	0	0	0	2	0	0	128
Ohio	0	29	71	2	29	0	56
Wisconsin	0	0	0	0	0	0	105
<b>West North Central</b>	<b>0</b>	<b>659</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>58</b>
Iowa	0	58	0	863	0	0	0
Kansas	0	0	0	0	0	0	0
Minnesota	0	1,579	0	13	0	0	73
Missouri	0	0	0	3	0	0	0
South Dakota	0	0	0	0	0	0	0
<b>South Atlantic</b>	<b>5</b>	<b>4</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>14</b>
Delaware	0	77	0	9	0	0	0
Florida	0	63	0	6	0	0	0
Georgia	0	249	0	9	0	0	356
Maryland	0	3	0	3	0	0	0
North Carolina	0	209	0	7	0	0	29
South Carolina	0	58	0	10	0	0	123
Virginia	0	4	0	2	0	0	60
West Virginia	8	0	0	17	0	0	41
<b>East South Central</b>	<b>0</b>	<b>160</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>28</b>
Alabama	0	160	0	0	0	0	0
Kentucky	0	0	0	0	0	0	223
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	0	0	0	28
<b>West South Central</b>	<b>0</b>	<b>25</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>21</b>
Arkansas	0	0	0	0	0	0	61
Louisiana	0	0	0	8	0	0	23
Oklahoma	0	0	0	0	0	0	0
Texas	0	26	0	1	0	0	0
<b>Mountain</b>	<b>5</b>	<b>8</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>32</b>
Arizona	0	0	0	0	0	0	0
Colorado	0	0	0	8	0	0	65
Idaho	0	0	0	29	0	0	44
Montana	6	9	0	18	0	0	99
Nevada	0	0	0	0	0	0	77
New Mexico	0	0	0	4	0	0	0
Utah	0	0	0	57	0	0	0
Wyoming	0	0	0	0	0	0	0
<b>Pacific Contiguous</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>36</b>
California	0	0	0	1	0	0	42
Oregon	0	0	0	2	0	0	78
Washington	0	8	0	9	0	0	75
<b>Pacific Noncontiguous</b>	<b>61</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
Alaska	61	0	0	0	0	0	0
Hawaii	0	0	0	0	0	0	0
<b>U.S. Total</b>	<b>1</b>	<b>4</b>	<b>44</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>10</b>

Displayed values of zero may 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 July 2024 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
<b>New England</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>1</b>
Connecticut	0	0	0	10	9	0	0	1
Maine	0	0	0	8	7	0	0	6
Massachusetts	0	0	0	6	6	0	0	3
New Hampshire	0	0	0	131	27	0	0	2
Rhode Island	0	0	0	10	8	0	0	7
Vermont	0	0	0	19	23	0	0	19
<b>Middle Atlantic</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>1</b>
New Jersey	0	0	0	7	6	0	0	2
New York	0	0	0	5	4	0	0	2
Pennsylvania	0	0	0	6	5	0	0	1
<b>East North Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>28</b>	<b>1</b>
Illinois	0	0	0	3	2	0	0	1
Indiana	0	0	0	3	4	0	0	1
Michigan	0	0	0	4	6	0	37	2
Ohio	0	0	0	1	1	0	0	1
Wisconsin	0	0	0	10	8	0	0	1
<b>West North Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>2</b>
Iowa	0	0	0	6	3	0	0	3
Kansas	0	0	0	21	2	0	0	2
Minnesota	0	0	0	5	4	0	0	6
Missouri	0	0	0	20	3	0	0	2
Nebraska	0	0	0	10	3	0	0	3
North Dakota	0	0	0	0	4	0	0	4
South Dakota	0	0	0	1	2	0	0	2
<b>South Atlantic</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
Delaware	0	0	0	10	15	0	0	8
District of Columbia	0	0	0	47	47	0	0	47
Florida	0	0	0	4	4	0	0	5
Georgia	0	0	0	1	1	0	0	5
Maryland	0	0	0	7	5	0	0	1
North Carolina	0	0	0	2	2	0	0	3
South Carolina	0	0	0	3	4	0	0	4
Virginia	0	0	0	2	3	0	0	2
West Virginia	0	0	0	10	2	0	0	7
<b>East South Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>
Alabama	0	0	0	2	3	0	0	0
Kentucky	0	0	0	4	6	0	0	2
Mississippi	0	0	0	1	1	0	0	1
Tennessee	0	0	0	4	5	0	0	9
<b>West South Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>
Arkansas	0	0	0	2	2	0	0	1
Louisiana	0	0	0	2	3	0	0	6
Oklahoma	0	0	0	1	2	0	0	1
Texas	0	0	0	0	1	0	0	1
<b>Mountain</b>	<b>0</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
Arizona	0	0	0	1	1	0	0	0
Colorado	0	0	0	2	2	0	0	2
Idaho	0	34	0	3	6	0	0	12
Montana	0	0	0	0	2	0	0	4
Nevada	0	7	0	1	2	0	0	1
New Mexico	0	0	0	2	1	0	0	1
Utah	0	22	0	1	1	0	0	1
Wyoming	0	0	0	0	3	0	0	3
<b>Pacific Contiguous</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>1</b>
California	0	4	0	1	1	0	0	1
Oregon	0	23	0	3	3	0	0	2
Washington	0	0	0	4	6	0	0	5
<b>Pacific Noncontiguous</b>	<b>0</b>	<b>29</b>	<b>0</b>	<b>5</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>4</b>
Alaska	0	0	0	100	70	0	0	48
Hawaii	0	29	0	4	6	0	0	3
<b>U.S. Total</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Displayed values of zero may 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, July 2024**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
<b>New England</b>	<b>0</b>	<b>62</b>	<b>0</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>
Connecticut	0	308	0	18	0	0	0
Maine	0	0	0	0	0	0	0
Massachusetts	0	69	0	14	0	0	0
New Hampshire	0	4	0	0	0	0	0
Rhode Island	0	490	0	41	0	0	0
Vermont	0	0	0	0	0	0	0
<b>Middle Atlantic</b>	<b>0</b>	<b>75</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>
New Jersey	0	524	0	19	0	0	0
New York	0	109	0	13	0	0	0
Pennsylvania	0	0	0	7	0	0	0
<b>East North Central</b>	<b>105</b>	<b>41</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>461</b>
Illinois	105	77	0	18	0	0	0
Indiana	0	0	0	0	0	0	461
Michigan	0	433	0	10	0	0	0
Ohio	0	51	0	3	0	0	0
Wisconsin	0	219	0	12	0	0	0
<b>West North Central</b>	<b>0</b>	<b>36</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>
Iowa	0	0	0	5	0	0	0
Minnesota	0	38	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	1,030	0	0	0	0	0
<b>South Atlantic</b>	<b>0</b>	<b>101</b>	<b>0</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>0</b>
District of Columbia	0	24,150	0	26	0	0	0
Florida	0	0	0	64	0	0	0
Georgia	0	48	0	0	0	0	0
Maryland	0	0	0	7	0	0	0
North Carolina	0	172	0	58	0	0	0
South Carolina	0	0	0	0	0	0	0
Virginia	0	0	0	0	0	0	0
<b>East South Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	19	0	0	0
<b>West South Central</b>	<b>0</b>	<b>118</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>0</b>
Arkansas	0	0	0	142	0	0	0
Louisiana	0	0	0	128	0	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	118	0	25	0	0	0
<b>Mountain</b>	<b>0</b>	<b>735</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>100</b>
Arizona	0	735	0	5	0	0	0
Colorado	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0
New Mexico	0	0	0	47	0	0	0
Utah	0	0	0	39	0	0	198
<b>Pacific Contiguous</b>	<b>0</b>	<b>23</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>647</b>
California	0	2	0	5	0	0	647
Oregon	0	855	0	28	0	0	0
Washington	0	0	0	0	0	0	0
<b>Pacific Noncontiguous</b>	<b>42</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>79</b>
Alaska	42	129	0	0	0	0	79
Hawaii	0	0	0	0	0	0	0
<b>U.S. Total</b>	<b>29</b>	<b>30</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>64</b>

Displayed values of zero may 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, July 2024 (Continued)**

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
<b>New England</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>63</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>6</b>
Connecticut	0	0	0	105	105	0	0	18
Maine	0	0	0	0	0	0	0	0
Massachusetts	0	0	0	80	3	0	0	6
New Hampshire	0	0	0	0	0	0	0	0
Rhode Island	0	0	0	0	0	0	0	40
Vermont	0	0	0	0	0	0	0	0
<b>Middle Atlantic</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>3</b>
New Jersey	0	0	0	19	6	0	0	5
New York	0	0	0	60	2	0	5	5
Pennsylvania	0	0	0	99	4	0	0	2
<b>East North Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>78</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>6</b>
Illinois	0	0	0	247	282	0	0	18
Indiana	0	0	0	211	18	0	0	17
Michigan	0	0	0	245	12	0	0	9
Ohio	0	0	0	110	47	0	0	3
Wisconsin	0	0	0	142	48	0	0	18
<b>West North Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>113</b>	<b>7</b>
Iowa	0	0	0	0	28	0	0	5
Kansas	0	0	0	0	137	0	0	137
Minnesota	0	0	0	0	12	0	113	15
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0	1,030
<b>South Atlantic</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>5</b>
Delaware	0	0	0	158	140	0	0	140
District of Columbia	0	0	0	0	0	0	0	19
Florida	0	0	0	89	1	0	0	8
Georgia	0	0	0	182	182	0	0	132
Maryland	0	0	0	63	63	0	0	8
North Carolina	0	0	0	24	24	0	0	29
South Carolina	0	0	0	0	0	0	0	0
Virginia	0	0	0	205	2	0	0	1
<b>East South Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>97</b>	<b>97</b>	<b>0</b>	<b>0</b>	<b>19</b>
Kentucky	0	0	0	158	158	0	0	158
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	123	123	0	0	19
<b>West South Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>23</b>
Arkansas	0	0	0	0	0	0	0	82
Louisiana	0	0	0	0	0	0	0	128
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	175	24	0	0	24
<b>Mountain</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29</b>	<b>23</b>	<b>0</b>	<b>0</b>	<b>14</b>
Arizona	0	0	0	57	57	0	0	10
Colorado	0	0	0	76	76	0	0	25
Idaho	0	0	0	0	29	0	0	13
Nevada	0	0	0	38	38	0	0	17
New Mexico	0	0	0	0	350	0	0	46
Utah	0	0	0	0	66	0	0	45
<b>Pacific Contiguous</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>4</b>
California	0	0	0	18	7	0	0	4
Oregon	0	0	0	0	37	0	0	22
Washington	0	0	0	0	69	0	0	68
<b>Pacific Noncontiguous</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>20</b>
Alaska	0	0	0	0	0	0	0	42
Hawaii	0	0	0	100	7	0	0	3
<b>U.S. Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>3</b>

Displayed values of zero may 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 July 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
<b>New England</b>	<b>0</b>	<b>62</b>	<b>0</b>	<b>11</b>	<b>0</b>	<b>0</b>	<b>0</b>
Connecticut	0	308	0	18	0	0	0
Maine	0	0	0	0	0	0	0
Massachusetts	0	69	0	14	0	0	0
New Hampshire	0	4	0	0	0	0	0
Rhode Island	0	490	0	41	0	0	0
Vermont	0	0	0	0	0	0	0
<b>Middle Atlantic</b>	<b>0</b>	<b>75</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>
New Jersey	0	524	0	19	0	0	0
New York	0	109	0	13	0	0	0
Pennsylvania	0	0	0	7	0	0	0
<b>East North Central</b>	<b>105</b>	<b>41</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>461</b>
Illinois	105	77	0	18	0	0	0
Indiana	0	0	0	0	0	0	461
Michigan	0	433	0	10	0	0	0
Ohio	0	51	0	3	0	0	0
Wisconsin	0	219	0	12	0	0	0
<b>West North Central</b>	<b>0</b>	<b>36</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>
Iowa	0	0	0	5	0	0	0
Minnesota	0	38	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	1,030	0	0	0	0	0
<b>South Atlantic</b>	<b>0</b>	<b>101</b>	<b>0</b>	<b>17</b>	<b>0</b>	<b>0</b>	<b>0</b>
District of Columbia	0	24,150	0	26	0	0	0
Florida	0	0	0	64	0	0	0
Georgia	0	48	0	0	0	0	0
Maryland	0	0	0	7	0	0	0
North Carolina	0	172	0	58	0	0	0
South Carolina	0	0	0	0	0	0	0
Virginia	0	0	0	0	0	0	0
<b>East South Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>0</b>
Mississippi	0	0	0	0	0	0	0
Tennessee	0	0	0	19	0	0	0
<b>West South Central</b>	<b>0</b>	<b>118</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>0</b>	<b>0</b>
Arkansas	0	0	0	142	0	0	0
Louisiana	0	0	0	128	0	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	118	0	25	0	0	0
<b>Mountain</b>	<b>0</b>	<b>735</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>100</b>
Arizona	0	735	0	5	0	0	0
Colorado	0	0	0	0	0	0	0
Idaho	0	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0
New Mexico	0	0	0	47	0	0	0
Utah	0	0	0	39	0	0	198
<b>Pacific Contiguous</b>	<b>0</b>	<b>23</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>647</b>
California	0	2	0	5	0	0	647
Oregon	0	855	0	28	0	0	0
Washington	0	0	0	0	0	0	0
<b>Pacific Noncontiguous</b>	<b>42</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>79</b>
Alaska	42	129	0	0	0	0	79
Hawaii	0	0	0	0	0	0	0
<b>U.S. Total</b>	<b>29</b>	<b>30</b>	<b>0</b>	<b>5</b>	<b>0</b>	<b>0</b>	<b>64</b>

Displayed values of zero may 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 July 2024 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
<b>New England</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>63</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>6</b>
Connecticut	0	0	0	105	105	0	0	18
Maine	0	0	0	0	0	0	0	0
Massachusetts	0	0	0	80	3	0	0	6
New Hampshire	0	0	0	0	0	0	0	0
Rhode Island	0	0	0	0	0	0	0	40
Vermont	0	0	0	0	0	0	0	0
<b>Middle Atlantic</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>2</b>	<b>0</b>	<b>3</b>	<b>3</b>
New Jersey	0	0	0	19	6	0	0	5
New York	0	0	0	60	2	0	5	5
Pennsylvania	0	0	0	99	4	0	0	2
<b>East North Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>78</b>	<b>19</b>	<b>0</b>	<b>0</b>	<b>6</b>
Illinois	0	0	0	247	282	0	0	18
Indiana	0	0	0	211	18	0	0	17
Michigan	0	0	0	245	12	0	0	9
Ohio	0	0	0	110	47	0	0	3
Wisconsin	0	0	0	142	48	0	0	18
<b>West North Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>113</b>	<b>7</b>
Iowa	0	0	0	0	28	0	0	5
Kansas	0	0	0	0	137	0	0	137
Minnesota	0	0	0	0	12	0	113	15
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	0
North Dakota	0	0	0	0	0	0	0	0
South Dakota	0	0	0	0	0	0	0	1,030
<b>South Atlantic</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>21</b>	<b>3</b>	<b>0</b>	<b>0</b>	<b>5</b>
Delaware	0	0	0	158	140	0	0	140
District of Columbia	0	0	0	0	0	0	0	19
Florida	0	0	0	89	1	0	0	8
Georgia	0	0	0	182	182	0	0	132
Maryland	0	0	0	63	63	0	0	8
North Carolina	0	0	0	24	24	0	0	29
South Carolina	0	0	0	0	0	0	0	0
Virginia	0	0	0	205	2	0	0	1
<b>East South Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>97</b>	<b>97</b>	<b>0</b>	<b>0</b>	<b>19</b>
Kentucky	0	0	0	158	158	0	0	158
Mississippi	0	0	0	0	0	0	0	0
Tennessee	0	0	0	123	123	0	0	19
<b>West South Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>14</b>	<b>0</b>	<b>0</b>	<b>23</b>
Arkansas	0	0	0	0	0	0	0	82
Louisiana	0	0	0	0	0	0	0	128
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	175	24	0	0	24
<b>Mountain</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>29</b>	<b>23</b>	<b>0</b>	<b>0</b>	<b>14</b>
Arizona	0	0	0	57	57	0	0	10
Colorado	0	0	0	76	76	0	0	25
Idaho	0	0	0	0	29	0	0	13
Nevada	0	0	0	38	38	0	0	17
New Mexico	0	0	0	0	350	0	0	46
Utah	0	0	0	0	66	0	0	45
<b>Pacific Contiguous</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>4</b>
California	0	0	0	18	7	0	0	4
Oregon	0	0	0	0	37	0	0	22
Washington	0	0	0	0	69	0	0	68
<b>Pacific Noncontiguous</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>100</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>20</b>
Alaska	0	0	0	0	0	0	0	42
Hawaii	0	0	0	100	7	0	0	3
<b>U.S. Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>10</b>	<b>2</b>	<b>0</b>	<b>2</b>	<b>3</b>

Displayed values of zero may 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, July 2024**

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
<b>New England</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>92</b>
Connecticut	0	2,575	0	10	0	0	0
Maine	0	5	0	32	0	0	92
Massachusetts	0	32	0	18	0	0	0
New Hampshire	0	0	0	0	0	0	0
Rhode Island	0	0	0	30	0	0	0
<b>Middle Atlantic</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>26</b>	<b>0</b>	<b>44</b>
New Jersey	0	0	0	8	0	0	0
New York	0	4	0	6	0	0	44
Pennsylvania	0	7	0	6	37	0	0
<b>East North Central</b>	<b>9</b>	<b>15</b>	<b>0</b>	<b>5</b>	<b>10</b>	<b>0</b>	<b>40</b>
Illinois	0	0	0	11	0	0	0
Indiana	0	34	0	6	13	0	0
Michigan	192	0	0	17	0	0	401
Ohio	0	0	0	16	0	0	0
Wisconsin	55	386	0	13	0	0	37
<b>West North Central</b>	<b>4</b>	<b>7</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>
Iowa	2	39	0	11	0	0	0
Kansas	0	0	0	39	0	0	0
Minnesota	70	0	0	22	0	0	0
Missouri	0	0	0	0	0	0	0
Nebraska	9	0	0	0	0	0	0
North Dakota	66	0	0	0	0	0	0
South Dakota	0	0	0	73	0	0	0
<b>South Atlantic</b>	<b>8</b>	<b>18</b>	<b>176</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>32</b>
Delaware	0	0	0	0	0	0	0
Florida	0	38	0	16	0	0	0
Georgia	15	22	176	22	0	0	242
Maryland	0	0	0	0	0	0	0
North Carolina	13	85	0	52	0	0	728
South Carolina	0	0	0	18	0	0	0
Virginia	0	20	0	13	0	0	0
West Virginia	0	0	0	0	0	0	31
<b>East South Central</b>	<b>0</b>	<b>98</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>
Alabama	0	254	0	19	0	0	0
Kentucky	0	0	0	0	0	0	0
Mississippi	0	0	0	27	0	0	0
Tennessee	0	0	0	6	0	0	0
<b>West South Central</b>	<b>0</b>	<b>48</b>	<b>154</b>	<b>2</b>	<b>7</b>	<b>0</b>	<b>0</b>
Arkansas	0	1,115	0	44	0	0	0
Louisiana	0	0	0	2	9	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	22	154	2	7	0	0
<b>Mountain</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>0</b>
Colorado	0	0	0	0	0	0	0
Idaho	295	0	0	29	0	0	0
Montana	340	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0
Utah	0	0	0	0	0	0	0
Wyoming	26	0	0	5	5	0	0
<b>Pacific Contiguous</b>	<b>0</b>	<b>61</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1,578</b>
California	0	401	0	2	0	0	0
Oregon	0	0	0	31	0	0	0
Washington	0	62	0	5	0	0	1,578
<b>Pacific Noncontiguous</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>105</b>
Alaska	0	9	0	0	0	0	0
Hawaii	0	0	0	0	0	0	105
<b>U.S. Total</b>	<b>3</b>	<b>8</b>	<b>45</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>22</b>

Displayed values of zero may 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, July 2024 (Continued)**

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
<b>New England</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>92</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>6</b>
Connecticut	0	0	0	145	145	0	0	10
Maine	0	0	0	0	8	0	0	8
Massachusetts	0	0	0	82	82	0	0	18
New Hampshire	0	0	0	0	0	0	0	0
Rhode Island	0	0	0	0	0	0	0	30
<b>Middle Atlantic</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>59</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>4</b>
New Jersey	0	0	0	114	114	0	0	6
New York	0	0	0	89	23	0	0	7
Pennsylvania	0	0	0	99	10	0	0	5
<b>East North Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>70</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>3</b>
Illinois	0	0	0	200	200	0	0	5
Indiana	0	0	0	0	32	0	0	6
Michigan	0	0	0	0	12	0	0	10
Ohio	0	0	0	0	20	0	0	8
Wisconsin	0	0	0	0	10	0	0	11
<b>West North Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>37</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>5</b>
Iowa	0	0	0	0	0	0	0	3
Kansas	0	0	0	0	152	0	0	38
Minnesota	0	0	0	37	6	0	0	10
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	9
North Dakota	0	0	0	0	0	0	0	66
South Dakota	0	0	0	0	69	0	0	54
<b>South Atlantic</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>76</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>3</b>
Delaware	0	0	0	137	55	0	0	1
Florida	0	0	0	133	8	0	3	7
Georgia	0	0	0	0	6	0	0	6
Maryland	0	0	0	0	0	0	0	0
North Carolina	0	0	0	0	8	0	0	10
South Carolina	0	0	0	109	3	0	0	3
Virginia	0	0	0	0	0	0	0	5
West Virginia	0	0	0	0	0	0	0	12
<b>East South Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>4</b>
Alabama	0	0	0	0	5	0	0	7
Kentucky	0	0	0	0	21	0	0	16
Mississippi	0	0	0	0	5	0	0	9
Tennessee	0	0	0	0	0	0	0	4
<b>West South Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>72</b>	<b>5</b>	<b>0</b>	<b>11</b>	<b>2</b>
Arkansas	0	0	0	134	9	0	0	12
Louisiana	0	0	0	0	7	0	0	2
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	84	13	0	30	2
<b>Mountain</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>4</b>
Arizona	0	0	0	69	69	0	0	69
Colorado	0	0	0	70	65	0	0	9
Idaho	0	0	0	150	4	0	0	15
Montana	0	0	0	0	0	0	0	45
Nevada	0	0	0	73	73	0	0	2
New Mexico	0	0	0	0	0	0	0	0
Utah	0	0	0	139	139	0	0	4
Wyoming	0	0	0	0	0	0	0	7
<b>Pacific Contiguous</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>8</b>	<b>0</b>	<b>19</b>	<b>2</b>
California	0	0	0	18	10	0	19	2
Oregon	0	0	0	0	15	0	0	14
Washington	0	0	0	0	12	0	0	5
<b>Pacific Noncontiguous</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19</b>
Alaska	0	0	0	0	0	0	0	7
Hawaii	0	0	0	0	0	0	0	25
<b>U.S. Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>1</b>

Displayed values of zero may 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 July 2024

Census Region and State	Coal	Petroleum Liquids	Petroleum Coke	Natural Gas	Other Gases	Nuclear	Hydroelectric Conventional
<b>New England</b>	<b>0</b>	<b>24</b>	<b>0</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>92</b>
Connecticut	0	2,575	0	10	0	0	0
Maine	0	5	0	32	0	0	92
Massachusetts	0	32	0	18	0	0	0
New Hampshire	0	0	0	0	0	0	0
Rhode Island	0	0	0	30	0	0	0
<b>Middle Atlantic</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>4</b>	<b>26</b>	<b>0</b>	<b>44</b>
New Jersey	0	0	0	8	0	0	0
New York	0	4	0	6	0	0	44
Pennsylvania	0	7	0	6	37	0	0
<b>East North Central</b>	<b>9</b>	<b>15</b>	<b>0</b>	<b>5</b>	<b>10</b>	<b>0</b>	<b>40</b>
Illinois	0	0	0	11	0	0	0
Indiana	0	34	0	6	13	0	0
Michigan	192	0	0	17	0	0	401
Ohio	0	0	0	16	0	0	0
Wisconsin	55	386	0	13	0	0	37
<b>West North Central</b>	<b>4</b>	<b>7</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>
Iowa	2	39	0	11	0	0	0
Kansas	0	0	0	39	0	0	0
Minnesota	70	0	0	22	0	0	0
Missouri	0	0	0	0	0	0	0
Nebraska	9	0	0	0	0	0	0
North Dakota	66	0	0	0	0	0	0
South Dakota	0	0	0	73	0	0	0
<b>South Atlantic</b>	<b>8</b>	<b>18</b>	<b>176</b>	<b>7</b>	<b>0</b>	<b>0</b>	<b>32</b>
Delaware	0	0	0	0	0	0	0
Florida	0	38	0	16	0	0	0
Georgia	15	22	176	22	0	0	242
Maryland	0	0	0	0	0	0	0
North Carolina	13	85	0	52	0	0	728
South Carolina	0	0	0	18	0	0	0
Virginia	0	20	0	13	0	0	0
West Virginia	0	0	0	0	0	0	31
<b>East South Central</b>	<b>0</b>	<b>98</b>	<b>0</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>0</b>
Alabama	0	254	0	19	0	0	0
Kentucky	0	0	0	0	0	0	0
Mississippi	0	0	0	27	0	0	0
Tennessee	0	0	0	6	0	0	0
<b>West South Central</b>	<b>0</b>	<b>48</b>	<b>154</b>	<b>2</b>	<b>7</b>	<b>0</b>	<b>0</b>
Arkansas	0	1,115	0	44	0	0	0
Louisiana	0	0	0	2	9	0	0
Oklahoma	0	0	0	0	0	0	0
Texas	0	22	154	2	7	0	0
<b>Mountain</b>	<b>27</b>	<b>0</b>	<b>0</b>	<b>3</b>	<b>4</b>	<b>0</b>	<b>0</b>
Colorado	0	0	0	0	0	0	0
Idaho	295	0	0	29	0	0	0
Montana	340	0	0	0	0	0	0
Nevada	0	0	0	0	0	0	0
New Mexico	0	0	0	0	0	0	0
Utah	0	0	0	0	0	0	0
Wyoming	26	0	0	5	5	0	0
<b>Pacific Contiguous</b>	<b>0</b>	<b>61</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1,578</b>
California	0	401	0	2	0	0	0
Oregon	0	0	0	31	0	0	0
Washington	0	62	0	5	0	0	1,578
<b>Pacific Noncontiguous</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>105</b>
Alaska	0	9	0	0	0	0	0
Hawaii	0	0	0	0	0	0	105
<b>U.S. Total</b>	<b>3</b>	<b>8</b>	<b>45</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>22</b>

Displayed values of zero may 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 July 2024 (Continued)

Census Region and State	Wind	Geothermal	Biomass	Solar Thermal and Photovoltaic	Other Renewables	Hydroelectric Pumped Storage	Other Energy Sources	All Energy Sources
<b>New England</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>92</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>6</b>
Connecticut	0	0	0	145	145	0	0	10
Maine	0	0	0	0	8	0	0	8
Massachusetts	0	0	0	82	82	0	0	18
New Hampshire	0	0	0	0	0	0	0	0
Rhode Island	0	0	0	0	0	0	0	30
<b>Middle Atlantic</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>59</b>	<b>10</b>	<b>0</b>	<b>0</b>	<b>4</b>
New Jersey	0	0	0	114	114	0	0	6
New York	0	0	0	89	23	0	0	7
Pennsylvania	0	0	0	99	10	0	0	5
<b>East North Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>70</b>	<b>8</b>	<b>0</b>	<b>0</b>	<b>3</b>
Illinois	0	0	0	200	200	0	0	5
Indiana	0	0	0	0	32	0	0	6
Michigan	0	0	0	0	12	0	0	10
Ohio	0	0	0	0	20	0	0	8
Wisconsin	0	0	0	0	10	0	0	11
<b>West North Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>37</b>	<b>6</b>	<b>0</b>	<b>0</b>	<b>5</b>
Iowa	0	0	0	0	0	0	0	3
Kansas	0	0	0	0	152	0	0	38
Minnesota	0	0	0	37	6	0	0	10
Missouri	0	0	0	0	0	0	0	0
Nebraska	0	0	0	0	0	0	0	9
North Dakota	0	0	0	0	0	0	0	66
South Dakota	0	0	0	0	69	0	0	54
<b>South Atlantic</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>76</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>3</b>
Delaware	0	0	0	137	55	0	0	1
Florida	0	0	0	133	8	0	3	7
Georgia	0	0	0	0	6	0	0	6
Maryland	0	0	0	0	0	0	0	0
North Carolina	0	0	0	0	8	0	0	10
South Carolina	0	0	0	109	3	0	0	3
Virginia	0	0	0	0	0	0	0	5
West Virginia	0	0	0	0	0	0	0	12
<b>East South Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>4</b>	<b>0</b>	<b>0</b>	<b>4</b>
Alabama	0	0	0	0	5	0	0	7
Kentucky	0	0	0	0	21	0	0	16
Mississippi	0	0	0	0	5	0	0	9
Tennessee	0	0	0	0	0	0	0	4
<b>West South Central</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>72</b>	<b>5</b>	<b>0</b>	<b>11</b>	<b>2</b>
Arkansas	0	0	0	134	9	0	0	12
Louisiana	0	0	0	0	7	0	0	2
Oklahoma	0	0	0	0	0	0	0	0
Texas	0	0	0	84	13	0	30	2
<b>Mountain</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>40</b>	<b>15</b>	<b>0</b>	<b>0</b>	<b>4</b>
Arizona	0	0	0	69	69	0	0	69
Colorado	0	0	0	70	65	0	0	9
Idaho	0	0	0	150	4	0	0	15
Montana	0	0	0	0	0	0	0	45
Nevada	0	0	0	73	73	0	0	2
New Mexico	0	0	0	0	0	0	0	0
Utah	0	0	0	139	139	0	0	4
Wyoming	0	0	0	0	0	0	0	7
<b>Pacific Contiguous</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18</b>	<b>8</b>	<b>0</b>	<b>19</b>	<b>2</b>
California	0	0	0	18	10	0	19	2
Oregon	0	0	0	0	15	0	0	14
Washington	0	0	0	0	12	0	0	5
<b>Pacific Noncontiguous</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>19</b>
Alaska	0	0	0	0	0	0	0	7
Hawaii	0	0	0	0	0	0	0	25
<b>U.S. Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>14</b>	<b>3</b>	<b>0</b>	<b>2</b>	<b>1</b>

Displayed values of zero may 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, July 2024**

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
<b>New England</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>1</b>
Connecticut	1	1	3	0	1
Maine	3	1	1	0	1
Massachusetts	3	1	4	0	1
New Hampshire	2	1	1	0	1
Rhode Island	0	0	0	0	0
Vermont	13	6	6	0	6
<b>Middle Atlantic</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
New Jersey	1	0	1	0	0
New York	1	0	1	0	0
Pennsylvania	1	0	0	0	0
<b>East North Central</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>
Illinois	2	1	1	0	1
Indiana	5	3	2	0	2
Michigan	1	3	2	0	1
Ohio	2	1	1	0	1
Wisconsin	1	6	4	0	2
<b>West North Central</b>	<b>2</b>	<b>3</b>	<b>2</b>	<b>0</b>	<b>2</b>
Iowa	2	13	3	0	4
Kansas	10	6	6	0	5
Minnesota	2	9	5	0	3
Missouri	5	2	4	0	3
Nebraska	2	10	5	0	4
North Dakota	3	7	4	0	3
South Dakota	4	16	9	0	7
<b>South Atlantic</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>
Delaware	5	2	5	0	2
District of Columbia	0	0	0	0	0
Florida	3	2	4	0	2
Georgia	7	4	3	0	4
Maryland	2	0	2	0	1
North Carolina	6	3	3	0	3
South Carolina	7	4	3	0	3
Virginia	5	1	4	0	2
West Virginia	2	1	0	0	1
<b>East South Central</b>	<b>4</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>2</b>
Alabama	8	5	2	0	4
Kentucky	6	3	2	0	3
Mississippi	11	7	4	0	5
Tennessee	4	3	3	0	2
<b>West South Central</b>	<b>4</b>	<b>4</b>	<b>1</b>	<b>0</b>	<b>2</b>
Arkansas	10	7	3	0	4
Louisiana	7	4	2	0	3
Oklahoma	8	4	3	0	4
Texas	5	6	1	0	3
<b>Mountain</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>
Arizona	1	1	2	0	1
Colorado	4	2	3	0	2
Idaho	1	8	2	0	2
Montana	3	14	4	0	4
Nevada	1	0	1	0	0
New Mexico	5	2	2	0	2
Utah	3	1	2	0	2
Wyoming	4	10	3	0	3
<b>Pacific Contiguous</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>1</b>
California	1	0	1	0	0
Oregon	2	7	5	0	3
Washington	2	8	6	0	3
<b>Pacific Noncontiguous</b>	<b>2</b>	<b>10</b>	<b>3</b>	<b>0</b>	<b>4</b>
Alaska	4	21	12	0	10
Hawaii	0	0	0	0	0
<b>U.S. Total</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>

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

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

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

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

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
<b>New England</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>
Connecticut	2	3	1	0	1
Maine	3	2	0	0	1
Massachusetts	1	1	2	0	1
New Hampshire	1	1	1	0	1
Rhode Island	1	0	0	0	0
Vermont	7	5	4	0	4
<b>Middle Atlantic</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>
New Jersey	1	3	1	0	1
New York	0	0	0	0	0
Pennsylvania	1	2	0	0	1
<b>East North Central</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>
Illinois	2	1	1	0	1
Indiana	4	3	1	0	2
Michigan	1	1	2	0	1
Ohio	1	1	1	0	1
Wisconsin	1	2	2	0	1
<b>West North Central</b>	<b>2</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>1</b>
Iowa	2	5	2	0	2
Kansas	9	3	5	0	4
Minnesota	2	3	3	0	1
Missouri	4	3	3	0	2
Nebraska	2	5	4	0	2
North Dakota	3	4	3	0	2
South Dakota	3	7	6	0	3
<b>South Atlantic</b>	<b>2</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>
Delaware	3	16	2	0	7
District of Columbia	5	1	0	0	1
Florida	3	1	4	0	2
Georgia	6	2	2	0	3
Maryland	1	1	0	0	0
North Carolina	5	2	3	0	3
South Carolina	7	2	2	0	4
Virginia	5	1	3	0	2
West Virginia	1	1	0	0	1
<b>East South Central</b>	<b>3</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>2</b>
Alabama	7	3	2	0	4
Kentucky	5	4	2	0	3
Mississippi	11	4	4	0	6
Tennessee	3	3	2	0	2
<b>West South Central</b>	<b>4</b>	<b>3</b>	<b>1</b>	<b>0</b>	<b>2</b>
Arkansas	9	4	3	0	5
Louisiana	7	2	2	0	4
Oklahoma	8	3	4	0	4
Texas	4	4	1	0	2
<b>Mountain</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>
Arizona	1	1	2	0	1
Colorado	4	2	3	0	2
Idaho	1	3	1	0	1
Montana	3	5	3	0	2
Nevada	1	1	1	0	1
New Mexico	5	3	3	0	3
Utah	4	2	2	0	2
Wyoming	3	5	3	0	2
<b>Pacific Contiguous</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
California	0	0	0	0	0
Oregon	1	2	3	0	1
Washington	1	3	4	0	1
<b>Pacific Noncontiguous</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>1</b>
Alaska	4	8	17	0	5
Hawaii	0	0	0	0	0
<b>U.S. Total</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

Displayed values of zero may 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 July 2024

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

Displayed values of zero may 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, July 2024**

Census Region and State	Residential	Commercial	Industrial	Transportation	Total
<b>New England</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>
Connecticut	2	3	2	0	1
Maine	3	2	0	0	1
Massachusetts	2	1	3	0	1
New Hampshire	1	1	1	0	1
Rhode Island	1	0	0	0	0
Vermont	6	2	3	0	2
<b>Middle Atlantic</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>
New Jersey	1	3	1	0	1
New York	1	0	1	0	0
Pennsylvania	1	2	0	0	1
<b>East North Central</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>
Illinois	1	1	0	0	1
Indiana	2	1	1	0	1
Michigan	0	2	1	0	1
Ohio	1	0	0	0	0
Wisconsin	1	4	2	0	2
<b>West North Central</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>0</b>	<b>1</b>
Iowa	1	9	2	0	2
Kansas	2	4	3	0	2
Minnesota	1	6	3	0	2
Missouri	2	1	2	0	1
Nebraska	1	6	3	0	2
North Dakota	1	3	2	0	2
South Dakota	1	10	5	0	4
<b>South Atlantic</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>
Delaware	2	16	4	0	7
District of Columbia	5	1	0	0	1
Florida	1	1	2	0	1
Georgia	2	2	1	0	1
Maryland	1	1	2	0	1
North Carolina	1	2	1	0	1
South Carolina	1	2	1	0	1
Virginia	1	1	2	0	1
West Virginia	1	1	0	0	0
<b>East South Central</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>
Alabama	2	3	1	0	1
Kentucky	2	1	1	0	1
Mississippi	2	4	2	0	2
Tennessee	1	1	1	0	1
<b>West South Central</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>
Arkansas	2	4	1	0	2
Louisiana	1	2	1	0	1
Oklahoma	2	2	2	0	1
Texas	1	1	1	0	1
<b>Mountain</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>
Arizona	0	0	1	0	0
Colorado	2	1	2	0	1
Idaho	0	5	1	0	1
Montana	1	9	2	0	3
Nevada	0	0	0	0	0
New Mexico	2	1	2	0	1
Utah	2	1	1	0	1
Wyoming	1	5	2	0	2
<b>Pacific Contiguous</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>
California	0	0	0	0	0
Oregon	1	5	3	0	2
Washington	1	5	3	0	2
<b>Pacific Noncontiguous</b>	<b>1</b>	<b>8</b>	<b>4</b>	<b>0</b>	<b>3</b>
Alaska	2	14	17	0	8
Hawaii	0	0	0	0	0
<b>U.S. Total</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>0</b>

Displayed values of zero may 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 July 2024

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

Displayed values of zero may 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, July 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	--	5.80	--	1.04
Rhode Island	--	--	--	1.03
Vermont	--	--	--	--
Middle Atlantic	15.35	6.11	--	1.03
New Jersey	--	--	--	1.04
New York	--	6.27	--	1.03
Pennsylvania	15.35	6.09	--	1.04
East North Central	20.21	5.84	27.97	1.05
Illinois	17.79	5.81	--	1.05
Indiana	22.42	5.76	--	1.06
Michigan	18.84	6.07	27.97	1.05
Ohio	24.86	5.83	--	1.06
Wisconsin	17.69	5.87	--	1.04
West North Central	16.37	5.77	--	1.06
Iowa	17.70	5.71	--	1.09
Kansas	17.82	5.78	--	1.01
Minnesota	17.91	5.88	--	1.09
Missouri	17.71	5.77	--	1.02
Nebraska	17.12	5.75	--	1.07
North Dakota	13.10	5.76	--	1.03
South Dakota	16.55	--	--	1.10
South Atlantic	23.80	5.92	28.77	1.03
Delaware	--	5.83	--	1.03
District of Columbia	--	--	--	--
Florida	23.05	5.79	28.77	1.03
Georgia	20.04	6.07	--	1.04
Maryland	26.22	5.97	--	1.04
North Carolina	24.73	5.80	--	1.04
South Carolina	24.69	5.90	--	1.03
Virginia	19.48	5.89	--	1.04
West Virginia	25.40	5.83	--	1.08
East South Central	20.54	5.83	--	1.03
Alabama	18.15	--	--	1.03
Kentucky	22.21	5.86	--	1.03
Mississippi	12.92	5.82	--	1.02
Tennessee	22.19	5.76	--	1.00
West South Central	16.31	5.87	28.49	1.02
Arkansas	17.69	5.86	--	1.03
Louisiana	17.64	--	28.49	1.03
Oklahoma	17.15	--	--	1.04
Texas	15.96	5.88	--	1.02
Mountain	18.57	5.79	--	1.04
Arizona	18.28	5.80	--	1.03
Colorado	18.42	--	--	1.08
Idaho	--	--	--	1.00
Montana	17.26	--	--	1.06
Nevada	19.32	5.83	--	1.04
New Mexico	18.25	--	--	1.02
Utah	21.65	5.79	--	1.05
Wyoming	17.53	5.78	--	1.06
Pacific Contiguous	18.35	6.00	--	1.04
California	22.69	--	--	1.04
Oregon	--	--	--	1.06
Washington	17.14	6.00	--	1.11
Pacific Noncontiguous	14.74	6.19	--	1.00
Alaska	14.74	5.60	--	1.00
Hawaii	--	6.19	--	--
U.S. Total	18.89	6.10	28.39	1.03

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

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

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

'Natural Gas' includes a small amount of supplemental gaseous fuels.

Notes: See Glossary for definitions. Values are preliminary. Data represents weighted values.

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

Table C.2. Comparison of Preliminary Monthly Data Versus Final Monthly Data at the U.S. Level, 2020 through 2022

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

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

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

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

Hydroelectric includes conventional hydroelectric and hydroelectric pumped storage facilities.

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

Fuel Stocks are end-of-month values.

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

Cost of Fossil Fuels represent weighted values.

Notes: Mean absolute value of percent change is the unweighted average of the absolute percent 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, 2020 through 2022

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

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

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

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

Hydroelectric includes conventional hydroelectric and hydroelectric pumped storage facilities.

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

Fuel Stocks are end-of-year values.

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

Cost of Fossil Fuels represent weighted values.

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

Percent changes refer to the difference between the preliminary data published in the Electric Power Monthly (EPM) and the final data published in the EPM. Values for 2022 are Final.

Sources: U.S. Energy Information Administration, Form EIA-923 'Power Plant Operations Report'; Form EIA-423, 'Monthly Cost and Quality of Fuels for Electric Plants Report';

Form EIA-826, 'Monthly Electric Sales and Revenue With State Distributions Report'; Form EIA-906, 'Power Plant Report'; Form EIA-920 'Combined Heat and Power Plant Report';

and Federal Energy Regulatory Commission, FERC Form 423, 'Monthly Report of Cost and Quality of Fuels for Electric Plants.'

**Table C.4. Unit of Measure Equivalents for Electricity**

<b>Unit</b>	<b>Equivalent</b>
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 - July 2024 (Megawatthours)**

Period	Plug-in Hybrid Electric Vehicle (PHEV)	Battery Electric Vehicle (BEV)	Total
<b>Annual Totals</b>			
2018	756,806	824,899	1,581,706
2019	884,161	1,175,714	2,059,875
2020	1,073,251	1,827,049	2,900,300
2021	1,242,674	2,276,123	3,518,797
2022	1,657,375	3,594,407	5,251,782
2023	2,151,105	5,444,408	7,595,513
<b>Year 2022</b>			
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
<b>Year 2023</b>			
January	157,950	369,161	527,111
February	152,391	359,976	512,368
March	172,664	419,305	591,969
April	158,189	388,018	546,207
May	171,848	430,398	602,246
June	174,860	445,804	620,664
July	184,333	477,799	662,132
August	188,174	489,342	677,516
September	182,894	478,333	661,227
October	195,264	508,795	704,059
November	196,712	516,825	713,537
December	215,826	560,652	776,478
<b>Year 2024</b>			
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
<b>Year to Date</b>			
2022	915,119	1,891,983	2,807,102
2023	1,172,236	2,890,461	4,062,697
2024	1,635,429	4,319,942	5,955,371

**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 July 2024 and 2023 (Megawatthours)**

Census Division and State	Monthly		Year to Date	
	July 2024	July 2023	July 2024	July 2023
<b>New England</b>	<b>40,614</b>	<b>28,281</b>	<b>282,931</b>	<b>190,250</b>
Connecticut	9,342	6,458	63,253	41,567
Maine	2,804	2,003	18,694	13,045
Massachusetts	20,649	14,437	148,149	100,643
New Hampshire	3,179	2,307	20,435	14,523
Rhode Island	1,862	1,345	13,246	9,132
Vermont	2,780	1,732	19,155	11,339
<b>Middle Atlantic</b>	<b>98,147</b>	<b>62,567</b>	<b>651,693</b>	<b>404,993</b>
New Jersey	33,277	22,147	213,249	135,495
New York	45,065	26,887	306,692	180,901
Pennsylvania	19,806	13,533	131,752	88,597
<b>East North Central</b>	<b>71,260</b>	<b>47,956</b>	<b>498,591</b>	<b>336,500</b>
Illinois	24,666	15,911	183,470	119,061
Indiana	9,126	5,017	58,645	33,341
Michigan	15,547	12,002	106,094	82,182
Ohio	14,722	9,818	103,682	68,706
Wisconsin	7,199	5,207	46,700	33,210
<b>West North Central</b>	<b>29,963</b>	<b>20,584</b>	<b>193,886</b>	<b>134,209</b>
Iowa	2,895	2,091	20,177	14,695
Kansas	3,350	2,310	21,716	15,141
Minnesota	10,683	7,170	75,581	51,458
Missouri	9,782	6,853	54,028	37,758
Nebraska	2,295	1,493	15,830	10,305
North Dakota	334	246	2,419	1,873
South Dakota	625	422	4,135	2,978
<b>South Atlantic</b>	<b>148,517</b>	<b>95,984</b>	<b>979,690</b>	<b>616,092</b>
Delaware	1,686	1,263	13,986	9,762
District of Columbia	2,250	1,536	16,031	11,142
Florida	61,302	37,236	400,518	240,108
Georgia	19,350	12,923	132,124	84,791
Maryland	19,662	12,682	128,843	79,795
North Carolina	18,637	12,343	119,616	75,469
South Carolina	5,350	3,966	32,695	23,462
Virginia	19,482	13,418	130,673	87,595
West Virginia	798	618	5,203	3,969
<b>East South Central</b>	<b>16,899</b>	<b>11,768</b>	<b>109,956</b>	<b>74,231</b>
Alabama	3,469	2,516	23,037	15,717
Kentucky	3,151	2,342	20,888	15,094
Mississippi	1,330	822	8,311	4,848
Tennessee	8,949	6,088	57,721	38,572
<b>West South Central</b>	<b>70,705</b>	<b>45,773</b>	<b>453,818</b>	<b>268,212</b>
Arkansas	1,735	1,164	10,577	6,983
Louisiana	2,487	1,626	15,611	9,848
Oklahoma	17,756	5,343	121,925	33,827
Texas	48,727	37,640	305,705	217,554
<b>Mountain</b>	<b>87,150</b>	<b>60,332</b>	<b>527,315</b>	<b>359,650</b>
Arizona	27,559	19,389	161,161	109,848
Colorado	27,233	17,316	179,364	114,369
Idaho	2,825	1,959	17,707	12,548
Montana	1,781	1,193	12,135	8,044
Nevada	14,816	10,500	71,885	51,296
New Mexico	2,658	2,183	17,781	13,746
Utah	9,886	7,451	64,907	47,749
Wyoming	393	341	2,377	2,051
<b>Pacific Contiguous</b>	<b>372,911</b>	<b>284,154</b>	<b>2,220,065</b>	<b>1,648,259</b>
California	317,239	241,900	1,891,566	1,401,631
Oregon	17,825	13,643	106,558	81,301
Washington	37,847	28,611	221,941	165,327
<b>Pacific Noncontiguous</b>	<b>5,752</b>	<b>4,734</b>	<b>37,427</b>	<b>30,301</b>
Alaska	703	561	4,996	3,898
Hawaii	5,050	4,173	32,431	26,403
<b>U.S. Total</b>	<b>941,918</b>	<b>662,132</b>	<b>5,955,371</b>	<b>4,062,697</b>

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

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](mailto:InfoElectric@eia.gov).

## Methodology

The model estimates monthly light-duty electric vehicle (EV)<sup>1</sup> 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)

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<sup>1</sup> 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:

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

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  $my$

$\text{avg. } eVMT_{s,m,np,my}$  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](#)<sup>2</sup>. 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

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<sup>2</sup> 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](#).

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## Appendix C

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### 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



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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.

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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 Inference<sup>16</sup>," 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).



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## 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.

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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.

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

Data from the Form EIA-826 are used to determine estimates by sector at the State, Census division, and national level. State level sales and revenues estimates are first calculated. Then the ratio of revenue divided by sales is calculated to estimate the price of electricity to ultimate consumers at the State level. The estimates are accumulated separately to produce the Census division and U.S. level estimates<sup>1</sup>.

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.

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**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

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Other

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**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.



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**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

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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.

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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 entities<sup>14</sup>. 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<sup>15</sup>. 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.



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

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

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

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

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

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

**Methodology to estimate biogenic and non-biogenic municipal solid waste<sup>2</sup>:** 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

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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).<sup>3</sup>

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).

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**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



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“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).

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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

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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

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## **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.<sup>1</sup> 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  $i^{\text{th}}$  utility’s 2013 (or the last published year) solar PV capacity

$y_{i_{2015,m}}$  is the  $i^{\text{th}}$  utility’s month  $m$ , 2015 (or the current year) reported solar PV capacity

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

$\beta_1$  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

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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

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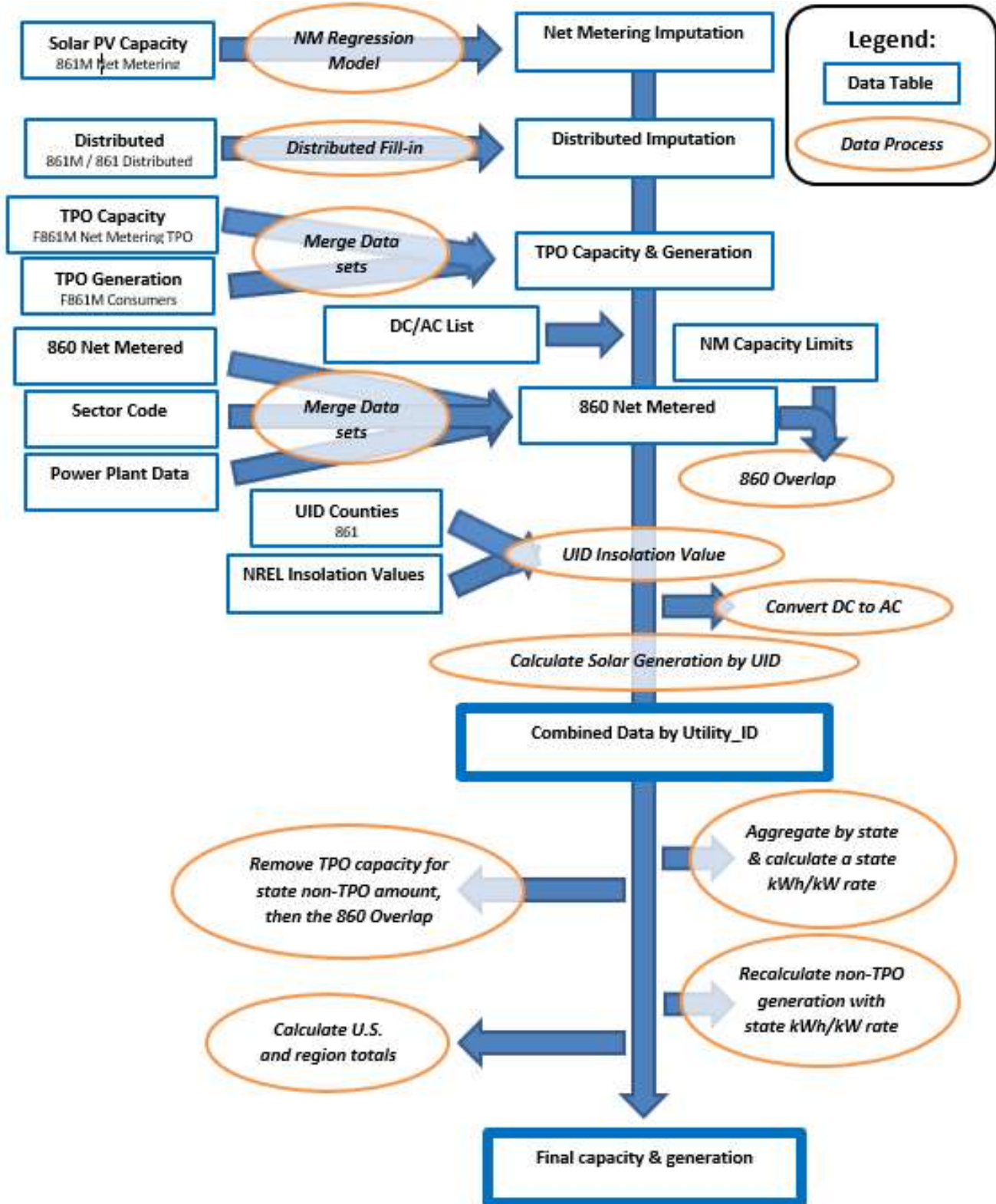
37	USA VA Norfolk Int'l Airport	Virginia Beach-Norfolk-Newport News, VA-NC MSA
38	USA RI Providence T F Green State	Providence-Warwick, RI-MA MSA
39	USA WI Milwaukee Mitchell Intl Airport	Milwaukee-Waukesha-West Allis, WI MSA
40	USA FL Jacksonville Craig	Jacksonville, FL MSA
41	USA TN Memphis Int'l Airport	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



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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



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<sup>1</sup>The basic technique employed is described in the paper “Model-Based Sampling and Inference,” on the EIA website. Additional references can be found on the InterStat website (<http://interstat.statjournals.net/>). See the following sources: Knaub, J.R., Jr. (1999a), “Using Prediction-Oriented Software for Survey Estimation,” InterStat, October 1999, <http://interstat.statjournals.net/>; Knaub, J.R. Jr. (1999b), “Model-Based Sampling, Inference and Imputation,” EIA web site: <http://www.eia.gov/cneaf/electricity/forms/eiawebme.pdf>; Knaub, J.R., Jr. (2005), “Classical Ratio Estimator,” InterStat, October 2005, <http://interstat.statjournals.net/>; Knaub, J.R., Jr. (2007a), “Cutoff Sampling and Inference,” InterStat, April 2007, <http://interstat.statjournals.net/>; Knaub, J.R., Jr. (2008), “Cutoff Sampling.” Definition in Encyclopedia of Survey Research Methods, Editor: Paul J. Lavrakas, Sage, to appear; Knaub, J.R., Jr. (2000), “Using Prediction-Oriented Software for Survey Estimation - Part II: Ratios of Totals,” InterStat, June 2000, <http://interstat.statjournals.net/>; Knaub, J.R., Jr. (2001), “Using Prediction-Oriented Software for Survey Estimation - Part III: Full-Scale Study of Variance and Bias,” InterStat, June 2001, <http://interstat.statjournals.net/>.

<sup>2</sup> See the following sources: Bahillo, A. et al. Journal of Energy Resources Technology, “NO<sub>x</sub> and N<sub>2</sub>O 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.

<sup>3</sup> 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.