

Table 7e. U.S. Electricity Generating Capacity (gigawatts at end of period)
 U.S. Energy Information Administration | Short-Term Energy Outlook - May 2025

	2024				2025				2026				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2024	2025	2026
Electric power sector (power plants larger than one megawatt)															
Fossil fuel energy sources															
Natural gas	491.0	489.8	490.6	490.9	490.5	490.6	491.6	492.0	493.0	494.3	494.4	493.6	490.9	492.0	493.6
Coal	173.7	172.4	172.1	170.5	170.1	167.1	165.3	162.0	162.0	161.5	161.5	159.1	170.5	162.0	159.1
Petroleum	27.3	27.2	27.1	27.1	27.1	25.8	25.8	25.8	25.8	25.7	25.7	25.7	27.1	25.8	25.7
Other fossil gases	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Renewable energy sources															
Wind	148.0	149.3	150.5	151.9	154.2	155.4	156.3	159.4	160.0	164.1	164.8	168.7	151.9	159.4	168.7
Solar photovoltaic	96.3	102.9	107.6	120.6	129.4	138.8	141.2	150.2	155.3	161.9	166.1	180.3	120.6	150.2	180.3
Solar thermal	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Geothermal	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Waste biomass	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
Wood biomass	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
Conventional hydroelectric	79.5	79.6	79.6	79.6	79.6	79.6	79.6	79.7	79.7	79.7	79.7	79.7	79.6	79.7	79.7
Pumped storage hydroelectric	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2
Nuclear	96.5	97.6	97.6	97.7	97.7	97.7	97.7	97.7	98.5	98.5	98.5	98.5	97.7	97.7	98.5
Battery storage	17.0	20.1	22.7	26.5	29.5	36.4	39.6	46.0	49.1	54.2	56.3	63.5	26.5	46.0	63.5
Other nonrenewable sources (a)	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Industrial and commercial sectors (combined heat and power plants larger than one megawatt)															
Fossil fuel energy sources															
Natural gas	18.6	18.5	18.5	18.3	18.3	18.3	18.3	18.3	18.4	18.4	18.4	18.4	18.3	18.3	18.4
Coal	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
Petroleum	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
Other fossil gases	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
Renewable energy sources															
Wood biomass	5.2	5.2	5.2	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
Waste biomass	1.4	1.4	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Solar	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	0.7	1.0	1.0
Wind	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Geothermal	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Conventional hydroelectric	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
Battery storage	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.3	0.3	0.3	0.1	0.2	0.3
Other nonrenewable sources (a)	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
Small-scale solar photovoltaic capacity (systems smaller than one megawatt)															
All sectors total	49.2	50.5	52.1	53.3	55.5	57.2	59.0	60.8	62.7	64.5	66.4	68.2	53.3	60.8	68.2
Residential sector	33.6	34.4	35.5	36.5	37.9	39.1	40.4	41.7	42.9	44.2	45.5	46.8	36.5	41.7	46.8
Commercial sector	13.0	13.5	13.9	14.1	14.7	15.1	15.6	16.1	16.6	17.1	17.6	18.1	14.1	16.1	18.1
Industrial sector	2.6	2.6	2.7	2.7	2.9	2.9	3.0	3.1	3.1	3.2	3.3	3.3	2.7	3.1	3.3

(a) Other sources include hydrogen, pitch, chemicals, sulfur, purchased steam, nonrenewable waste, and miscellaneous technologies.

Notes:

EIA completed modeling and analysis for this report on May 1, 2025.

The approximate break between historical and forecast values is shown with historical data with no shading; estimates and forecasts are shaded gray.

Capacity values represent the amount of generating capacity that is operating (or expected to be operating) at the end of each period factors.

Sources:

Historical data: Utility-scale capacity (power plants larger than one megawatt): EIA-860 Annual Survey and EIA-860M Preliminary Monthly Electric Generator Inventory, February 2025.

Small-scale solar capacity (systems smaller than one megawatt): Form EIA-861M Monthly Electric Power Industry Report.

Historical capacity data may differ from other EIA publications due to frequent updates to the Preliminary Monthly Electric Generator Inventory.