

**Table 7e. U.S. Electricity Generating Capacity (gigawatts at end of period)**  
 U.S. Energy Information Administration | Short-Term Energy Outlook - August 2024

	2023				2024				2025				Year		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	2023	2024	2025
<b>Electric power sector (power plants larger than one megawatt)</b>															
<b>Fossil fuel energy sources</b>															
Natural gas .....	486.3	487.8	488.2	489.0	488.3	487.1	488.4	488.3	487.5	489.5	490.7	490.7	489.0	488.3	490.7
Coal .....	184.0	180.3	178.2	177.1	176.3	175.0	175.0	174.3	174.3	170.5	168.7	162.2	177.1	174.3	162.2
Petroleum .....	28.2	28.0	28.0	28.0	28.0	27.9	27.9	27.5	27.5	26.5	26.5	26.2	28.0	27.5	26.2
Other gases .....	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.4	0.3	0.3
<b>Renewable energy sources</b>															
Wind .....	143.0	144.4	144.6	147.6	148.8	150.6	151.8	155.2	155.2	155.8	157.0	160.3	147.6	155.2	160.3
Solar photovoltaic .....	73.3	77.0	80.5	90.2	96.1	103.9	114.9	127.2	131.5	137.2	141.6	154.0	90.2	127.2	154.0
Solar thermal .....	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.4	1.5	1.4	1.4
Geothermal .....	2.6	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 .....	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
Wood biomass .....	2.4	2.4	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
Conventional hydroelectric .....	79.7	79.7	79.7	79.7	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.7	79.7	79.6	79.7
Pumped storage hydroelectric .....	23.1	23.1	23.1	23.1	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.2	23.1	23.2	23.2
Nuclear .....	94.7	94.7	95.8	95.8	95.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	95.8	96.9	96.9
Battery storage .....	9.6	10.8	13.3	15.6	16.8	21.7	25.5	30.1	31.5	35.4	37.2	42.0	15.6	30.1	42.0
Other nonrenewable sources (a) .....	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
<b>Industrial and commercial sectors (combined heat and power plants larger than one megawatt)</b>															
<b>Fossil fuel energy sources</b>															
Natural gas .....	18.7	18.6	18.6	18.6	18.6	18.5	18.4	18.3	18.4	18.4	18.4	18.4	18.6	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 gases .....	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
<b>Renewable energy sources</b>															
Wood biomass .....	5.4	5.3	5.3	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.3	5.2	5.2	5.3
Waste biomass .....	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3	1.4	1.4	1.3
Solar .....	0.6	0.6	0.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Other nonrenewable sources (a) .....	1.2	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
<b>Small-scale solar photovoltaic capacity (systems smaller than one megawatt)</b>															
<b>All sectors total .....</b>	<b>41.7</b>	<b>43.8</b>	<b>45.9</b>	<b>47.7</b>	<b>49.3</b>	<b>50.8</b>	<b>52.5</b>	<b>54.4</b>	<b>56.2</b>	<b>58.1</b>	<b>60.1</b>	<b>62.1</b>	<b>47.7</b>	<b>54.4</b>	<b>62.1</b>
Residential sector .....	27.8	29.6	31.4	32.9	33.8	34.7	35.9	37.2	38.5	39.8	41.2	42.6	32.9	37.2	42.6
Commercial sector .....	11.5	11.8	12.0	12.3	12.9	13.4	13.9	14.4	14.9	15.4	16.0	16.5	12.3	14.4	16.5
Industrial sector .....	2.4	2.5	2.5	2.6	2.6	2.6	2.7	2.8	2.8	2.9	2.9	3.0	2.6	2.8	3.0

(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 August 1, 2024.

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.

Changes in capacity reflect various factors including new generators coming online, retiring generators, capacity uprates and derates, delayed planned capacity projects, cancelled projects, and other

**Sources:**

Historical data: Utility-scale capacity (power plants larger than one megawatt): EIA-860M Preliminary Monthly Electric Generator Inventory, May 2024.

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.