

Table E3.cap. Electricity installed generating capacity: United States, Reference case

gigawatts

Fuel	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Liquid fuels	75	60	59	54	54	54	54	-1.2%
Natural gas	445	465	526	559	592	626	676	1.5%
Coal	201	167	105	94	80	77	73	-3.6%
Nuclear	95	96	92	85	76	76	76	-0.8%
Renewables	389	542	854	1,024	1,142	1,272	1,420	4.7%
Hydro	79	79	80	80	80	80	80	0.0%
Wind	145	171	301	345	350	358	374	3.4%
Geothermal	3	3	3	3	4	4	5	2.5%
Solar	125	251	432	557	669	790	920	7.4%
Other	37	38	38	39	40	41	41	0.4%
Battery storage	6	18	32	55	99	136	164	12.3%
Pumped hydro	22	22	22	22	22	22	22	0.0%
Total capacity	1,234	1,371	1,690	1,893	2,065	2,263	2,484	2.5%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run r_230822.081459 and Annual Energy Outlook 2023 (March 2023), www.eia.gov/aeo

Note: Totals may not equal sum of components due to independent rounding.