

Table E3.cap. Electricity installed generating capacity: United States, High Zero-carbon Technology Cost case

gigawatts

Fuel	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Liquid fuels	75	60	54	51	51	52	52	-1.3%
Natural gas	445	466	530	586	646	719	800	2.1%
Coal	201	170	122	113	103	99	97	-2.6%
Nuclear	95	96	95	89	89	89	89	-0.2%
Renewables	389	511	669	797	873	938	1,021	3.5%
Hydro	79	79	80	80	80	80	80	0.0%
Wind	145	171	270	310	320	328	346	3.2%
Geothermal	3	3	3	3	4	4	5	2.6%
Solar	125	220	278	365	431	486	550	5.4%
Other	37	38	38	39	40	40	41	0.3%
Battery storage	6	16	19	26	37	43	47	7.4%
Pumped hydro	22	22	22	22	22	22	22	0.0%
Total capacity	1,234	1,342	1,511	1,683	1,821	1,962	2,128	2.0%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run hz_230821.151430 and Annual Energy Outlook 2023 (March 2023), www.eia.gov/aeo

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