

Table E2.cap. Electricity installed generating capacity: Americas, High Zero-carbon Technology Cost case

gigawatts

Fuel	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Liquid fuels	141	127	83	62	55	52	52	-3.5%
Natural gas	629	660	739	804	867	942	1,030	1.8%
Coal	227	196	141	138	136	137	138	-1.8%
Nuclear	114	115	114	109	105	102	100	-0.4%
Renewables	788	938	1,113	1,266	1,381	1,507	1,660	2.7%
Hydro	362	376	383	386	388	389	391	0.3%
Wind	200	238	344	401	442	499	572	3.8%
Geothermal	4	4	5	6	6	7	8	2.0%
Solar	159	257	317	408	478	545	622	5.0%
Other	62	63	64	65	66	67	67	0.3%
Battery storage	6	16	19	26	37	43	47	7.4%
Pumped hydro	23	23	23	23	23	23	23	0.0%
Total capacity	1,929	2,075	2,232	2,427	2,603	2,806	3,050	1.6%

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.