

Table E16.cap. Electricity installed generating capacity: China, High Zero-carbon Technology Cost case

gigawatts

Fuel	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Liquid fuels	5	5	1	0	0	0	0	-16.3%
Natural gas	106	144	157	193	280	384	446	5.3%
Coal	1,164	1,203	1,203	1,203	1,203	1,203	1,203	0.1%
Nuclear	55	59	77	96	114	129	142	3.5%
Renewables	1,165	1,430	1,686	1,771	1,929	2,080	2,101	2.1%
Hydro	359	375	398	412	425	437	447	0.8%
Wind	356	380	431	498	637	771	777	2.8%
Geothermal	0	0	0	0	0	0	0	0.1%
Solar	420	645	827	832	838	842	847	2.5%
Other	30	30	30	30	30	30	30	0.0%
Battery storage	46	49	58	64	76	85	86	2.3%
Pumped hydro	47	72	83	84	84	84	84	2.1%
Total capacity	2,587	2,961	3,265	3,412	3,687	3,966	4,062	1.6%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run hz_230821.151430

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