

Table E16.cap. Electricity installed generating capacity: China, Low 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	-16.6%
Natural gas	106	144	153	178	246	255	264	3.3%
Coal	1,164	1,203	1,203	1,203	1,203	1,203	1,203	0.1%
Nuclear	55	59	72	96	115	158	242	5.5%
Renewables	1,165	1,429	1,686	1,878	2,258	2,576	2,923	3.3%
Hydro	359	375	398	412	425	437	447	0.8%
Wind	356	380	432	501	646	810	859	3.2%
Geothermal	0	0	0	0	0	0	0	0.1%
Solar	420	645	826	935	1,157	1,299	1,587	4.9%
Other	30	30	30	30	30	30	30	0.0%
Battery storage	46	48	58	73	115	181	252	6.2%
Pumped hydro	47	72	83	84	84	84	84	2.1%
Total capacity	2,587	2,960	3,255	3,513	4,022	4,458	4,968	2.4%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run lz_230821.151531

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