

Table E16.gen. Electricity generation: China, Low Zero-carbon Technology Cost case

billion kilowatthours

Fuel	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Liquid fuels	13	12	1	0	0	0	0	-17.1%
Natural gas	302	357	389	456	626	648	671	2.9%
Coal	5,248	5,139	5,229	5,220	4,849	4,444	3,819	-1.1%
Nuclear	383	416	538	674	810	1,108	1,698	5.5%
Renewables	2,573	3,061	3,544	3,953	4,686	5,390	5,993	3.1%
Hydro	1,221	1,300	1,379	1,428	1,474	1,515	1,551	0.9%
Wind	653	724	872	1,083	1,499	1,948	2,101	4.3%
Geothermal	0	0	0	0	0	0	0	0.1%
Solar	575	983	1,251	1,410	1,685	1,831	2,197	4.9%
Other	123	54	42	31	28	96	143	0.5%
Net generation to grid	8,519	8,985	9,701	10,303	10,971	11,590	12,180	1.3%

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. Net generation to grid represents gross generation minus losses from thermal efficiency and parasitic load.