

Table E13.gen. Electricity generation: China, Reference case

billion kilowatthours

Fuel								Average annual percentage change, 2020–2050
	2020	2025	2030	2035	2040	2045	2050	
Liquid fuels	10	10	2	0	0	0	0	-14.3
Natural gas	267	535	693	716	743	782	803	3.7
Coal	4,313	3,991	3,556	3,556	3,556	3,556	3,556	-0.6
Nuclear	331	416	538	674	795	905	1,002	3.8
Renewables	1,973	2,990	3,660	4,190	4,853	5,513	5,869	3.7
Hydro	1,117	1,266	1,334	1,381	1,448	1,448	1,448	0.9
Wind	574	899	1,001	1,001	1,001	1,001	1,001	1.9
Geothermal	0	0	0	0	0	0	0	0.0
Solar	281	824	1,304	1,774	2,368	3,025	3,379	8.6
Other	0	1	21	34	37	39	41	--
Net generation to grid	6,893	7,942	8,449	9,135	9,947	10,756	11,230	1.6

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System (2021), run r_210719.163829.

Notes:

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

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