

Table E13.gen. Electricity generation: Japan, Low Zero-carbon Technology Cost case

billion kilowatthours

Fuel	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Liquid fuels	29	29	15	9	6	6	6	-5.8%
Natural gas	363	383	383	339	301	279	279	-0.9%
Coal	291	283	167	178	178	178	178	-1.7%
Nuclear	78	115	139	139	139	139	139	2.1%
Renewables	210	203	238	265	315	349	370	2.0%
Hydro	72	83	83	86	86	86	86	0.6%
Wind	8	8	8	14	37	57	76	8.5%
Geothermal	3	3	3	4	4	4	4	0.8%
Solar	105	101	137	154	164	173	182	2.0%
Other	23	8	8	7	24	30	23	0.1%
Net generation to grid	971	1,014	942	930	938	951	972	0.0%

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.