

Table E13.gen. Electricity generation: Japan, Reference 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	-5.6%
Natural gas	363	383	383	339	306	310	300	-0.7%
Coal	291	283	167	182	182	182	182	-1.7%
Nuclear	78	115	139	139	121	102	102	0.9%
Renewables	210	203	241	265	320	349	377	2.1%
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	139	154	164	173	182	2.0%
Other	23	8	8	7	30	30	30	0.9%
Net generation to grid	972	1,014	945	934	935	949	966	0.0%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run r_230822.081459

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.