

Table E7.gen. Electricity generation: Japan, Reference case

billion kilowatthours

Fuel	2020	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2020–2050
Liquid fuels	48	48	25	15	9	5	4	-7.9
Natural gas	367	376	376	333	296	262	253	-1.2
Coal	283	255	251	280	285	250	207	-1.0
Nuclear	58	115	139	139	121	102	102	1.9
Renewables	204	214	228	256	314	407	472	2.8
Hydro	86	86	86	86	86	86	86	0.0
Wind	11	20	34	62	120	212	277	11.4
Geothermal	3	3	3	3	3	3	3	0.0
Solar	92	92	92	92	92	92	92	0.0
Other	11	11	11	11	12	13	13	0.7
Net generation to grid	959	1,008	1,020	1,024	1,026	1,027	1,038	0.3

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.