

Table E14.gen. Electricity generation: South Korea, High Zero-carbon Technology Cost case

billion kilowatthours

Fuel	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Liquid fuels	8	7	3	3	2	2	2	-4.6%
Natural gas	177	174	175	161	148	139	139	-0.9%
Coal	149	143	145	152	157	160	160	0.2%
Nuclear	201	228	228	228	228	218	214	0.2%
Renewables	50	53	79	106	131	161	181	4.7%
Hydro	3	4	4	5	5	5	5	1.1%
Wind	5	18	33	58	83	113	133	12.6%
Geothermal	0	0	0	0	0	0	0	0.0%
Solar	26	26	26	26	26	26	26	0.0%
Other	16	6	15	17	17	17	17	0.2%
Net generation to grid	586	606	631	649	665	679	695	0.6%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run hz_230821.151430

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.