

Table E17.gen. Electricity generation: India, High Zero-carbon Technology Cost case

billion kilowatthours

Fuel	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Liquid fuels	4	4	1	0	0	0	0	-14.7%
Natural gas	78	73	118	127	143	143	143	2.2%
Coal	1,240	1,260	1,473	1,523	1,607	1,572	1,501	0.7%
Nuclear	41	42	52	67	70	70	70	1.9%
Renewables	395	583	819	1,326	1,818	2,562	3,312	7.9%
Hydro	154	195	197	199	201	203	205	1.0%
Wind	119	193	285	448	618	857	1,072	8.2%
Geothermal	0	0	0	0	0	0	0	0.0%
Solar	99	176	321	665	998	1,501	2,035	11.4%
Other	23	18	16	14	0	0	0	-100.0%
Net generation to grid	1,757	1,962	2,463	3,043	3,637	4,347	5,026	3.8%

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.