

Table E17.gen. Electricity generation: India, Low 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	73	72	72	72	72	-0.3%
Coal	1,240	1,252	1,470	1,361	1,326	1,165	1,084	-0.5%
Nuclear	41	47	52	67	70	70	70	1.9%
Renewables	395	591	898	1,604	2,286	3,242	4,113	8.7%
Hydro	154	195	197	199	201	203	205	1.0%
Wind	119	181	259	417	575	577	580	5.8%
Geothermal	0	0	0	0	0	0	0	0.0%
Solar	99	196	425	975	1,510	2,461	3,328	13.4%
Other	23	18	16	14	0	0	0	-100.0%
Net generation to grid	1,757	1,966	2,494	3,103	3,754	4,549	5,338	4.0%

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.