

Table E12.gen. Electricity generation: Asia Pacific, Reference case

billion kilowatthours

Fuel	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Liquid fuels	110	108	49	27	16	11	9	-8.7%
Natural gas	1,617	1,738	1,798	1,746	1,845	2,089	2,292	1.3%
Coal	7,746	7,563	7,965	8,146	8,135	8,130	8,272	0.2%
Nuclear	746	837	993	1,143	1,253	1,329	1,420	2.3%
Renewables	3,721	4,560	5,547	6,710	8,094	9,487	10,534	3.8%
Hydro	1,745	1,949	2,101	2,206	2,257	2,307	2,353	1.1%
Wind	842	1,026	1,295	1,757	2,361	2,745	2,805	4.4%
Geothermal	13	44	67	74	78	78	78	6.7%
Solar	902	1,423	1,974	2,582	3,317	4,182	5,082	6.4%
Other	220	119	110	91	82	174	216	-0.1%
Net generation to grid	13,940	14,807	16,352	17,772	19,343	21,045	22,526	1.7%

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.