

Table E12.gen. Electricity generation: Asia Pacific, Low Zero-carbon Technology Cost case

billion kilowatthours

Fuel	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Liquid fuels	110	108	49	27	15	11	8	-8.8%
Natural gas	1,617	1,738	1,776	1,691	1,745	1,724	1,746	0.3%
Coal	7,746	7,560	7,944	7,959	7,571	7,099	6,395	-0.7%
Nuclear	746	859	1,011	1,160	1,300	1,588	2,174	3.9%
Renewables	3,725	4,550	5,571	6,999	8,881	10,886	12,781	4.5%
Hydro	1,745	1,949	2,101	2,196	2,253	2,299	2,338	1.0%
Wind	842	1,007	1,278	1,760	2,503	3,132	3,536	5.3%
Geothermal	13	44	67	74	78	78	78	6.7%
Solar	902	1,431	2,015	2,878	3,977	5,245	6,657	7.4%
Other	224	119	110	91	69	132	173	-0.9%
Net generation to grid	13,944	14,815	16,351	17,837	19,511	21,307	23,104	1.8%

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.