

Table E2.gen. Electricity generation: Americas, Low Zero-carbon Technology Cost case

billion kilowatthours

Fuel	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Liquid fuels	158	159	74	33	15	5	4	-11.9%
Natural gas	2,260	2,007	1,702	1,508	1,569	1,488	1,300	-2.0%
Coal	934	838	371	318	305	235	169	-5.9%
Nuclear	889	924	915	840	714	599	800	-0.4%
Renewables	2,491	2,903	4,126	4,896	5,402	6,129	6,714	3.6%
Hydro	1,472	1,540	1,616	1,704	1,712	1,692	1,691	0.5%
Wind	611	710	1,314	1,637	1,866	2,137	2,218	4.7%
Geothermal	25	21	36	40	44	48	54	2.7%
Solar	260	526	1,066	1,436	1,716	2,172	2,662	8.7%
Other	122	104	94	80	65	81	89	-1.1%
Net generation to grid	6,732	6,831	7,189	7,595	8,005	8,456	8,986	1.0%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run lz_230821.151531 and Annual Energy Outlook 2023 (March 2023), www.eia.gov/aeo

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.