

Table E2.gen. Electricity generation: Americas, Reference case

billion kilowatthours

Fuel	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Liquid fuels	158	159	74	34	16	5	5	-11.4%
Natural gas	2,260	2,029	1,828	1,726	1,828	1,877	1,936	-0.6%
Coal	934	834	427	464	481	484	448	-2.6%
Nuclear	889	891	896	839	738	716	703	-0.8%
Renewables	2,491	2,910	3,949	4,504	4,897	5,330	5,857	3.1%
Hydro	1,472	1,544	1,625	1,717	1,726	1,732	1,736	0.6%
Wind	611	714	1,207	1,421	1,563	1,730	1,891	4.1%
Geothermal	25	21	38	41	45	49	54	2.8%
Solar	260	526	982	1,240	1,494	1,755	2,112	7.8%
Other	122	105	96	86	68	65	64	-2.3%
Net generation to grid	6,732	6,823	7,174	7,566	7,959	8,413	8,949	1.0%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run r_230822.081459 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.