

Table E3.gen. Electricity generation: United States, High Economic Growth case

billion kilowatthours

Fuel	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Liquid fuels	11	10	8	7	7	5	5	-2.9%
Natural gas	1,686	1,425	1,240	1,137	1,198	1,266	1,324	-0.9%
Coal	849	799	436	402	361	332	287	-3.8%
Nuclear	772	782	753	704	644	644	639	-0.7%
Renewables	1,003	1,368	2,215	2,647	2,966	3,234	3,563	4.6%
Hydro	276	300	297	292	287	287	283	0.1%
Wind	440	514	943	1,089	1,135	1,169	1,222	3.7%
Geothermal	16	17	20	24	29	33	37	3.1%
Solar	205	468	883	1,170	1,445	1,680	1,961	8.4%
Other	67	69	71	73	70	65	59	-0.4%
Net generation to grid	4,321	4,384	4,652	4,897	5,175	5,482	5,818	1.1%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run hm_230821.151836 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.