

Table E1.cap. Electricity installed generating capacity: World, High Economic Growth case

gigawatts

Fuel	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Liquid fuels	391	378	225	147	114	103	96	-4.9%
Natural gas	1,931	2,046	2,237	2,427	2,741	3,089	3,475	2.1%
Coal	2,271	2,320	2,196	2,249	2,305	2,378	2,433	0.2%
Nuclear	400	425	422	446	453	460	472	0.6%
Renewables	3,297	4,083	5,045	6,166	7,313	8,527	9,722	3.9%
Hydro	1,211	1,319	1,379	1,420	1,447	1,481	1,526	0.8%
Wind	873	1,039	1,362	1,669	2,043	2,322	2,444	3.7%
Geothermal	15	17	27	30	34	34	35	3.1%
Solar	1,019	1,502	2,058	2,820	3,547	4,440	5,457	6.2%
Other	179	206	219	227	243	251	260	1.3%
Battery storage	52	72	133	296	467	877	1,295	12.1%
Pumped hydro	169	200	211	213	213	213	213	0.8%
Total capacity	8,511	9,524	10,468	11,945	13,606	15,646	17,705	2.7%

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.