

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

gigawatts

Fuel	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Liquid fuels	391	380	223	146	116	103	99	-4.8%
Natural gas	1,931	2,041	2,130	2,143	2,176	2,260	2,352	0.7%
Coal	2,271	2,315	2,164	2,145	2,143	2,147	2,169	-0.2%
Nuclear	400	425	422	444	447	453	450	0.4%
Renewables	3,297	4,055	4,950	5,507	6,026	6,639	7,161	2.8%
Hydro	1,211	1,317	1,375	1,408	1,438	1,459	1,483	0.7%
Wind	873	1,014	1,293	1,443	1,588	1,677	1,717	2.4%
Geothermal	15	17	25	28	32	32	33	2.9%
Solar	1,019	1,502	2,040	2,405	2,732	3,229	3,681	4.7%
Other	179	205	216	223	236	242	247	1.1%
Battery storage	52	69	108	204	321	510	711	9.8%
Pumped hydro	169	200	211	213	213	213	213	0.8%
Total capacity	8,511	9,484	10,208	10,801	11,441	12,324	13,155	1.6%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run Im_230821.151939 and Annual Energy Outlook 2023 (March 2023), www.eia.gov/aeo

Note: Totals may not equal sum of components due to independent rounding.