

Table E9.cap. Electricity installed generating capacity: Western Europe, Reference case

gigawatts

Fuel	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Liquid fuels	60	60	41	30	24	24	23	-3.3%
Natural gas	299	305	305	285	268	257	248	-0.7%
Coal	171	171	118	118	118	118	118	-1.3%
Nuclear	124	127	107	108	109	107	107	-0.5%
Renewables	683	802	908	926	959	1,023	1,108	1.7%
Hydro	191	214	217	217	217	217	217	0.5%
Wind	241	277	318	320	323	327	331	1.1%
Geothermal	3	6	8	8	8	8	8	3.1%
Solar	193	233	286	296	320	375	450	3.1%
Other	55	71	79	85	90	96	101	2.2%
Battery storage	0	0	0	0	0	49	98	--
Pumped hydro	47	48	48	48	48	48	48	0.1%
Total capacity	1,384	1,514	1,528	1,516	1,525	1,625	1,751	0.8%

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

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