

Table E9.cap. Electricity installed generating capacity: Western Europe, Low Zero-carbon Technology Cost 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	108	108	109	107	101	-0.7%
Renewables	683	802	908	928	959	1,028	1,119	1.8%
Hydro	191	214	217	217	217	217	217	0.5%
Wind	241	277	318	322	324	332	339	1.2%
Geothermal	3	6	8	8	8	8	8	3.1%
Solar	193	233	286	297	320	376	453	3.1%
Other	55	71	79	85	90	96	102	2.2%
Battery storage	0	0	0	0	0	51	102	--
Pumped hydro	47	48	48	48	48	48	48	0.1%
Total capacity	1,384	1,514	1,529	1,518	1,526	1,632	1,760	0.9%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run lz_230821.151531

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