

Table E9.cap. Electricity installed generating capacity: Western Europe, High 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	251	-0.6%
Coal	171	171	118	118	118	118	118	-1.3%
Nuclear	124	127	107	108	109	107	107	-0.5%
Renewables	683	802	908	924	949	998	1,071	1.6%
Hydro	191	214	217	217	217	217	217	0.5%
Wind	241	277	318	321	324	329	337	1.2%
Geothermal	3	6	8	8	8	8	8	3.1%
Solar	193	233	286	294	309	349	407	2.7%
Other	55	71	79	85	90	96	101	2.2%
Battery storage	0	0	0	0	0	42	84	--
Pumped hydro	47	48	48	48	48	48	48	0.1%
Total capacity	1,384	1,514	1,528	1,514	1,515	1,594	1,702	0.7%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run hz_230821.151430

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