

Table E9.gen. Electricity generation: Western Europe, High Oil Price case

billion kilowatthours

Fuel	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Liquid fuels	97	97	67	50	37	36	36	-3.5%
Natural gas	777	792	792	749	717	690	675	-0.5%
Coal	501	446	269	258	246	338	343	-1.3%
Nuclear	734	723	733	727	720	702	702	-0.2%
Renewables	1,649	1,862	2,137	2,467	2,819	2,992	3,224	2.4%
Hydro	621	697	706	753	754	754	757	0.7%
Wind	474	544	623	701	936	950	967	2.6%
Geothermal	22	38	52	51	51	57	57	3.4%
Solar	209	184	308	475	550	661	830	5.1%
Other	323	398	448	487	528	569	613	2.3%
Net generation to grid	3,758	3,919	3,998	4,251	4,539	4,759	4,980	1.0%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run hp_230822.081357

Note: Totals may not equal sum of components due to independent rounding. Net generation to grid represents gross generation minus losses from thermal efficiency and parasitic load.