

Table E21.gen. Electricity generation: Middle East, Low Zero-carbon Technology Cost case

billion kilowatthours

Fuel	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Liquid fuels	300	307	164	77	34	13	3	-15.2%
Natural gas	990	1,031	1,031	1,163	1,239	1,274	1,213	0.7%
Coal	0	0	0	0	0	0	0	-6.2%
Nuclear	24	66	66	73	83	83	83	4.6%
Renewables	42	93	154	175	200	271	420	8.6%
Hydro	23	25	25	29	29	29	29	0.8%
Wind	3	19	37	40	40	42	42	10.4%
Geothermal	0	0	0	0	0	0	0	0.0%
Solar	16	48	91	105	131	199	347	11.5%
Other	0	0	0	0	0	0	1	--
Net generation to grid	1,357	1,497	1,415	1,489	1,556	1,640	1,718	0.8%

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. Net generation to grid represents gross generation minus losses from thermal efficiency and parasitic load.