

Table E19.gen. Electricity generation: Africa and Middle East, Low Economic Growth case

billion kilowatthours

Fuel	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Liquid fuels	348	354	179	80	36	13	3	-15.3%
Natural gas	1,349	1,398	1,422	1,571	1,695	1,836	1,957	1.3%
Coal	214	191	224	215	266	250	275	0.9%
Nuclear	37	54	87	116	135	135	135	4.8%
Renewables	269	402	550	655	729	815	924	4.5%
Hydro	188	232	250	285	302	329	374	2.5%
Wind	30	65	113	121	122	124	125	5.2%
Geothermal	6	6	18	46	63	63	63	8.6%
Solar	42	95	165	200	236	297	358	7.9%
Other	2	4	4	3	7	2	4	2.1%
Net generation to grid	2,217	2,399	2,462	2,637	2,861	3,050	3,295	1.4%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run lm_230821.151939

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.