

Table E20.gen. Electricity generation: Africa, High Economic Growth case

billion kilowatthours

Fuel	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Liquid fuels	48	47	16	3	0	0	0	-16.3%
Natural gas	358	367	391	505	623	739	871	3.2%
Coal	214	188	224	257	275	276	272	0.9%
Nuclear	13	13	30	43	52	52	52	5.1%
Renewables	227	317	430	540	666	846	1,055	5.6%
Hydro	165	212	232	266	305	341	394	3.2%
Wind	28	46	75	80	82	82	83	4.0%
Geothermal	6	6	32	46	63	63	63	8.6%
Solar	26	48	85	146	213	357	510	11.2%
Other	2	4	5	2	2	3	6	3.4%
Net generation to grid	861	932	1,091	1,348	1,617	1,913	2,252	3.5%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run hm_230821.151836

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.