

Table E20.gen. Electricity generation: Africa, Low 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	1	0	0	-16.2%
Natural gas	358	367	391	423	467	528	589	1.8%
Coal	214	190	223	215	266	250	275	0.9%
Nuclear	13	13	30	43	52	52	52	5.1%
Renewables	227	307	396	486	552	626	728	4.2%
Hydro	165	207	224	256	273	300	345	2.7%
Wind	28	46	76	80	81	81	83	4.0%
Geothermal	6	6	18	46	63	63	63	8.6%
Solar	26	44	75	101	129	180	234	8.2%
Other	2	3	3	2	6	2	4	1.6%
Net generation to grid	861	924	1,056	1,169	1,339	1,457	1,645	2.3%

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.