

Table E20.gen. Electricity generation: Africa, High Oil Price 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	-16.4%
Natural gas	358	367	391	483	575	643	703	2.4%
Coal	214	192	213	247	269	257	276	0.9%
Nuclear	13	13	30	43	52	52	52	5.1%
Renewables	227	307	413	499	575	718	890	5.0%
Hydro	165	208	226	251	264	297	353	2.8%
Wind	28	46	76	80	81	82	82	4.0%
Geothermal	6	6	33	46	63	63	63	8.6%
Solar	26	44	75	119	164	274	387	10.2%
Other	2	3	3	3	2	2	5	2.4%
Net generation to grid	861	926	1,063	1,275	1,472	1,670	1,921	2.9%

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.