

Table E17.gen. Electricity generation: Africa, High Economic Growth case

billion kilowatthours

Fuel	2020	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2020–2050
Liquid fuels	65	66	22	5	1	1	1	-14.2
Natural gas	351	360	456	581	666	670	762	2.6
Coal	187	221	247	258	214	165	164	-0.4
Nuclear	13	13	30	43	52	52	62	5.4
Renewables	158	282	377	486	700	1,063	1,327	7.3
Hydro	130	172	178	194	228	300	393	3.8
Wind	13	52	86	95	108	120	131	8.0
Geothermal	5	17	37	48	64	69	69	9.2
Solar	9	38	72	143	293	565	725	15.9
Other	2	3	5	6	7	8	10	5.9
Net generation to grid	774	941	1,132	1,373	1,633	1,950	2,315	3.7

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System (2021), run hm_210719.163753.

Notes:

* Totals may not equal sum of components due to independent rounding.

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