

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

billion kilowatthours

Fuel	2020	2025	2030	2035	2040	2045
Liquid fuels	65	66	22	5	0	0
Natural gas	351	360	364	421	432	435
Coal	187	166	185	192	195	194
Nuclear	13	13	30	43	52	52
Renewables	158	281	374	443	548	682
Hydro	130	171	175	182	196	223
Wind	13	52	86	95	108	121
Geothermal	5	17	37	48	64	69
Solar	9	37	72	112	174	264
Other	2	3	4	5	5	6
Net generation to grid	774	886	975	1,104	1,228	1,363

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System (2021), run Im_210719.163843.

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.

Average annual percentage change,	
2050	2020–2050
0	-16.0
484	1.1
153	-0.7
52	4.8
828	5.7
262	2.4
133	8.1
69	9.2
358	13.2
6	4.4
1,518	2.3