Table 9.1. Installed generating capacity by fuel type: Africa North, Maximum Grid Expansion case

gigawatts

fuel	2019	2025	2030	2035	2040	2045	2050	Average annual percent change, 2019-2050
Liquids-fired	6.8	5.7	3.6	2.3	1.3	0.8	0.8	-6.5
Natural-gas-fired	73.5	75.1	87.6	111.9	121.8	133.0	135.3	2.0
Coal-fired	4.2	4.2	4.2	4.2	4.2	4.2	4.2	0.0
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Renewables								
Biomass	0.0	0.0	1.0	1.0	1.0	1.0	1.0	10.6
Geothermal	0.0	0.1	0.1	0.1	0.1	0.1	0.1	infinity
Hydro	6.0	6.5	6.5	6.5	6.5	6.5	6.5	0.3
Solar	4.0	9.2	19.5	24.4	24.8	40.4	84.5	10.4
Waste	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wind	3.5	9.5	13.4	13.7	14.4	15.4	16.5	5.1
Other renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total renewables	13.5	25.3	40.5	45.7	46.8	63.4	108.6	7.0
Total	98.0	110.3	136.0	164.0	174.1	201.5	248.9	3.1

Totals may not equal sum of components as a result of independent rounding.

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System (2020)
run: v46_10_1_Demtech_NoShift_200622_095509

Table 9.2. Net electricity generation by fuel type: Africa North, Maximum Grid Expansion case

billion kilowatthours

fuel	2019	2025	2030	2035	2040	2045	2050	Average annual percent change, 2019-2050
Liquids-fired	43.5	25.6	16.5	10.2	6.0	3.8	3.8	-7.6
Natural-gas-fired	252.5	285.4	330.7	411.6	487.1	532.2	541.1	2.5
Coal-fired	13.4	23.8	13.1	8.8	20.8	27.9	27.9	2.4
Nuclear	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Renewables								
Biomass	0.0	0.0	0.0	0.0	0.0	0.0	0.0	infinity
Geothermal	0.0	0.4	0.5	0.5	0.5	0.5	0.5	infinity
Hydro	20.4	21.8	21.8	21.8	21.8	21.8	21.8	0.2
Solar	8.7	21.1	45.5	57.1	58.0	95.0	199.4	10.6
Waste	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wind	10.9	26.8	36.8	37.8	40.0	43.6	47.6	4.9
Other renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total renewables	39.9	70.1	104.6	117.1	120.3	160.8	269.3	6.4
Total	349.4	405.0	464.8	547.7	634.3	724.7	842.1	2.9

Totals may not equal sum of components as a result of independent rounding.

Sources: U.S. Energy Information Administration (EIA), World Energy Projection System (2020)
run: v46_10_1_Demtech_NoShift_200622_095509