

**Table 3.1. Installed generating capacity by fuel type: Africa North, Comparative Reference case**

gigawatts

fuel	2019	2025	2030	2035	2040	2045	2050	Average annual percent change, 2019-2050
<b>Liquids-fired</b>	6.9	5.7	3.6	2.3	1.3	0.8	0.8	-6.6
<b>Natural-gas-fired</b>	73.5	75.1	87.3	111.9	120.5	130.2	136.3	2.0
<b>Coal-fired</b>	4.2	4.2	4.2	4.2	4.2	4.2	4.2	0.0
<b>Nuclear</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Renewables</b>								
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	9.3	19.5	24.2	30.0	46.8	83.2	10.3
Waste	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wind	3.5	9.5	13.3	13.7	14.6	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	25.4	40.4	45.5	52.2	69.8	107.3	6.9
<b>Total</b>	98.1	110.3	135.5	163.9	178.3	205.0	248.6	3.0

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: IEMM\_V46\_10-1\_ref\_200529\_133756

**Table 3.2. Net electricity generation by fuel type: Africa North, Comparative Reference case**

billion kilowatthours

fuel	2019	2025	2030	2035	2040	2045	2050	Average annual percent change, 2019-2050
<b>Liquids-fired</b>	43.5	25.6	16.5	10.2	6.0	3.8	3.8	-7.6
<b>Natural-gas-fired</b>	250.4	285.3	336.7	415.0	482.2	520.7	545.3	2.5
<b>Coal-fired</b>	16.2	25.9	11.6	8.1	15.9	27.9	27.9	1.8
<b>Nuclear</b>	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
<b>Renewables</b>								
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	21.4	45.5	56.6	70.4	110.3	196.4	10.6
Waste	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Wind	10.9	26.8	36.6	37.8	40.6	43.4	47.3	4.9
Other renewables	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Total renewables	39.9	70.4	104.4	116.7	133.3	175.9	266.0	6.3
<b>Total</b>	350.0	407.2	469.2	550.0	637.4	728.2	843.0	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: IEMM\_V46\_10-1\_ref\_200529\_133756