

Table E20.cap. Electricity installed generating capacity: Africa, Low Economic Growth case

gigawatts

| Fuel | 2022 | 2025 | 2030 | 2035 | 2040 | 2045 | 2050 | Average annual percentage change, 2022–2050 |
|-----------------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--|
| Liquid fuels | 21 | 21 | 7 | 1 | 1 | 0 | 0 | -16.2% |
| Natural gas | 122 | 126 | 127 | 137 | 152 | 171 | 191 | 1.6% |
| Coal | 49 | 50 | 50 | 50 | 50 | 50 | 50 | 0.1% |
| Nuclear | 2 | 2 | 4 | 6 | 7 | 7 | 7 | 5.1% |
| Renewables | 64 | 92 | 125 | 147 | 167 | 194 | 228 | 4.6% |
| Hydro | 39 | 50 | 56 | 64 | 68 | 73 | 84 | 2.8% |
| Wind | 9 | 16 | 26 | 27 | 28 | 28 | 28 | 4.3% |
| Geothermal | 1 | 1 | 4 | 6 | 8 | 8 | 8 | 8.5% |
| Solar | 14 | 23 | 36 | 47 | 58 | 80 | 103 | 7.3% |
| Other | 2 | 3 | 3 | 4 | 4 | 4 | 4 | 3.5% |
| Battery storage | 0 | 0 | 0 | 0 | 0 | 0 | 0 | -- |
| Pumped hydro | 3 | 4 | 4 | 4 | 4 | 4 | 4 | 0.4% |
| Total capacity | 261 | 296 | 318 | 346 | 380 | 427 | 481 | 2.2% |

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run Im_230821.151939

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