

Table E20.cap. Electricity installed generating capacity: Africa, Low Zero-carbon Technology Cost case

gigawatts

Fuel	2022	2025	2030	2035	2040	2045	2050	Average annual percentage change, 2022–2050
Liquid fuels	21	21	7	1	0	0	0	-16.4%
Natural gas	122	126	126	149	173	186	197	1.7%
Coal	49	50	50	50	50	50	50	0.1%
Nuclear	2	3	4	6	7	7	7	5.1%
Renewables	64	93	128	161	186	266	359	6.3%
Hydro	39	51	58	66	66	67	70	2.1%
Wind	9	16	26	28	29	36	42	5.8%
Geothermal	1	1	5	6	6	6	8	8.5%
Solar	14	23	36	57	81	153	235	10.5%
Other	2	3	3	4	4	4	4	3.6%
Battery storage	0	0	0	0	0	9	18	--
Pumped hydro	3	4	4	4	4	4	4	0.4%
Total capacity	261	297	320	372	421	522	636	3.2%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run lz_230821.151531

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