

Table E20.cap. Electricity installed generating capacity: Africa, High 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	-16.3%
Natural gas	122	126	127	160	193	226	255	2.7%
Coal	49	50	50	50	50	50	50	0.1%
Nuclear	2	2	4	6	7	7	7	5.1%
Renewables	64	92	125	142	161	191	219	4.5%
Hydro	39	50	56	59	65	76	85	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	45	55	75	93	7.0%
Other	2	3	4	4	4	4	4	3.6%
Battery storage	0	0	0	0	0	0	0	--
Pumped hydro	3	4	4	4	4	4	4	0.4%
Total capacity	261	296	319	363	415	479	536	2.6%

Data source: U.S. Energy Information Administration, World Energy Projection System (2023), run hz_230821.151430

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