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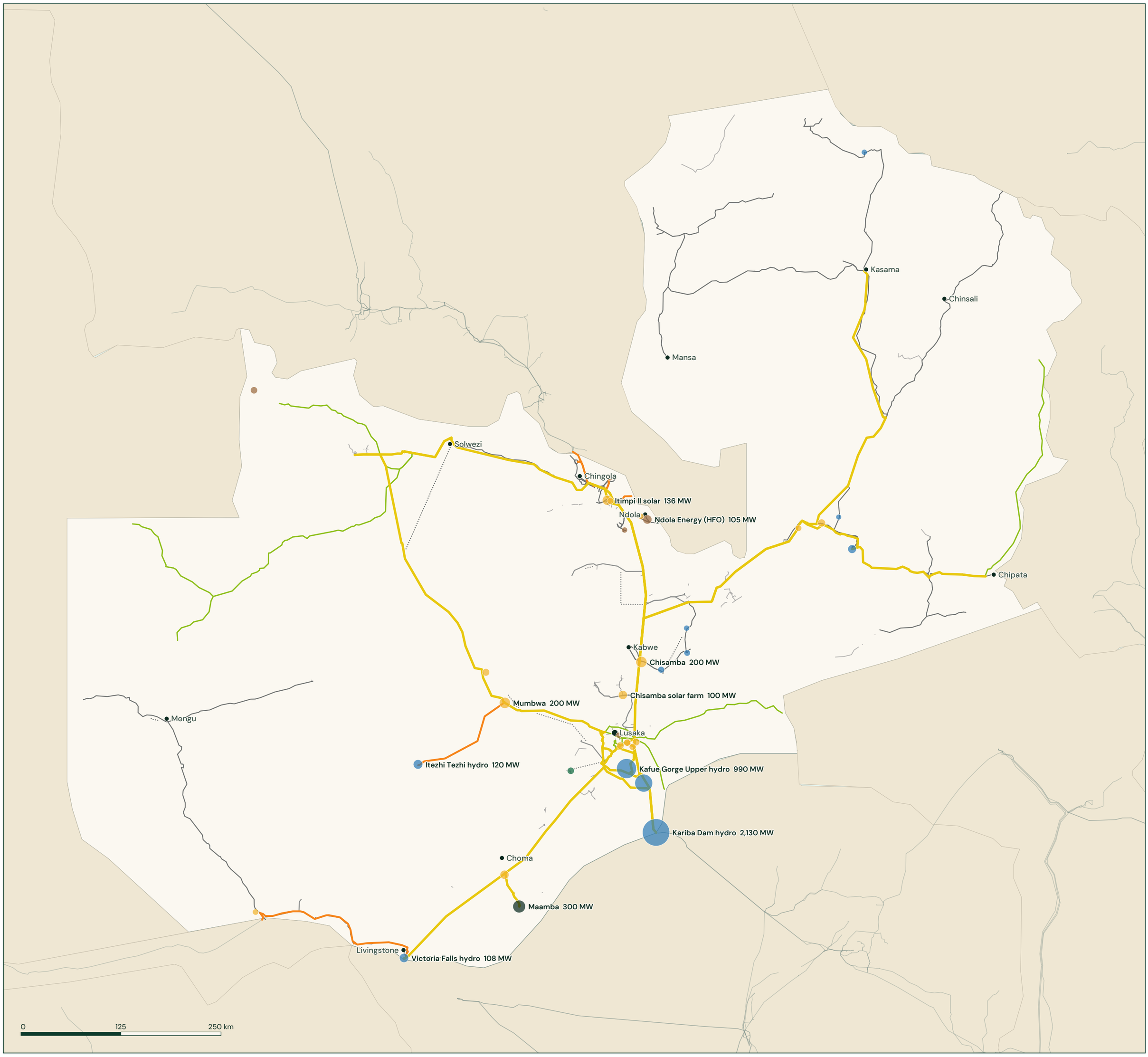
Zambia's power grid today

The high-voltage grid and the power plants running in November 2026

13,477 km of lines, 66 kV and above · 35 power plants of 10 MW and above (5,993 MW)

Grows where the grid hasn't.

Edition 1 · Data as of November 2026



How to read the map

- 330 kV
- 220 kV
- 132 kV
- 88 kV
- 66 kV
- Voltage not recorded
- Dotted: missing from OpenStreetMap, from utility or World Bank maps
- Grey: lines in neighboring countries

Power plants, 10 MW and above

- Hydro
- Coal
- Oil
- Solar
- Biomass

20 MW · 200 MW · 1,000 MW

Town or city

In numbers

- **6.0 GW** in 35 operating power plants of 10 MW and above
- **13,477 km** of mapped transmission lines, 66 kV and above
- **169** substations mapped
- **71%** of operating capacity is hydro

What runs Zambia today

- Hydro 4,281 MW (71%)
- Solar 1,157 MW (19%)
- Coal 330 MW (6%)
- Oil 185 MW (3%)
- Biomass 40 MW (1%)

Largest power stations

Kariba Dam hydro (hydro)	2,130 MW
Kafue Gorge Upper hydro (hydro)	990 MW
Kafue Gorge Lower (hydro)	750 MW
Maamba (coal)	300 MW
Chisamba (solar)	200 MW
Mumbwa (solar)	200 MW
Itimpi II solar (solar)	136 MW
Itezhi Tezhi hydro (hydro)	120 MW
Victoria Falls hydro (hydro)	108 MW
Ndola Energy (HFO) (oil)	105 MW
Chisamba solar farm (solar)	100 MW
Cooma (solar)	100 MW

Plus 23 smaller plants on the map.

Sources. Transmission lines: contains information from OpenStreetMap, which is made available under the Open Database License (ODbL), extracted 4 November 2026; lines missing from OpenStreetMap from World Bank 2017 Africa grid. Power plants: Global Energy Monitor Global Integrated Power Tracker (September 2026, CC BY 4.0), a project register built from public sources, WRI Global Power Plant Database v1.3, OpenStreetMap and the World Bank AICD inventory. Transmission projects: utilities, power pools, funders and news reports; master plans: SAPP master plan 2025-2045 (draft). Towns: GeoNames (CC BY 4.0). Boundaries: Natural Earth.

Routes are indicative, drawn substation to substation. This map is for information only, not for engineering, investment or navigation decisions. Boundaries and names do not imply any view on their status. Free to print and share for non-commercial use with credit to Aloe Energy, unchanged (CC BY-NC-ND 4.0). Download both sheets at aloeenergy.org/posters. The companion sheet shows the plans to 2035 and beyond.

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