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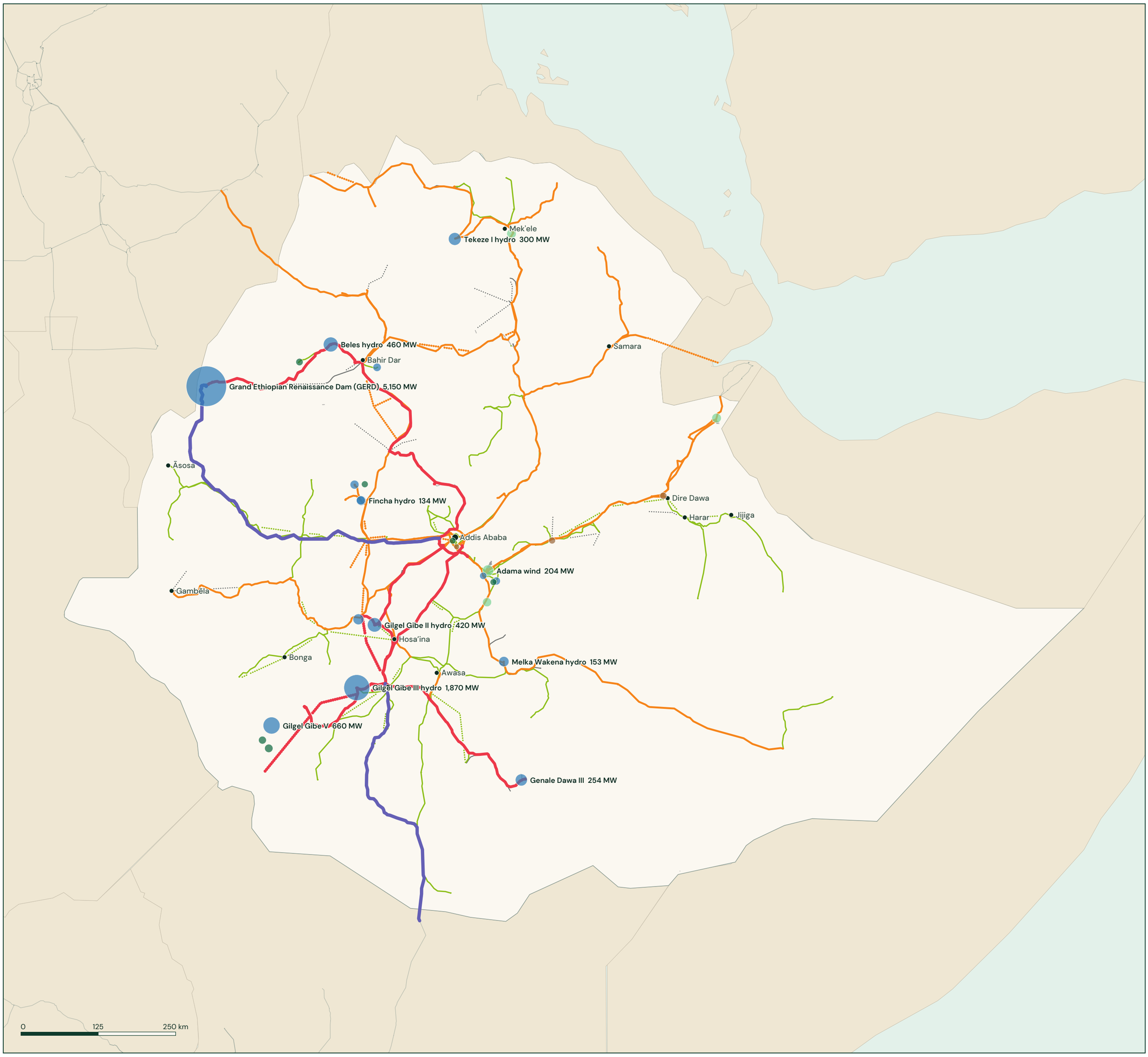
Ethiopia’s power grid today

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

19,324 km of lines, 66 kV and above · 28 power plants of 10 MW and above (10,855 MW)

Grows where the grid hasn’t.

Edition 1 · Data as of November 2026



How to read the map

- 500–533 kV
- 400 kV
- 330 kV
- 220 kV
- 132 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 · Oil · Wind · Biomass

20 MW · 200 MW · 1,000 MW

Town or city

In numbers

- **11 GW** in 28 operating power plants of 10 MW and above
- **19,324 km** of mapped transmission lines, 66 kV and above
- **184** substations mapped
- **92%** of operating capacity is hydro

What runs Ethiopia today



Hydro 9,956 MW (92%)
Wind 544 MW (5%)
Biomass 268 MW (2%)
Oil 87 MW (1%)

Largest power stations

Grand Ethiopian Renaissance Dam (GERD) (hydro)	5,150 MW
Gilgel Gibe III hydro (hydro)	1,870 MW
Gilgel Gibe V (hydro)	660 MW
Beles hydro (hydro)	460 MW
Gilgel Gibe II hydro (hydro)	420 MW
Tekeze I hydro (hydro)	300 MW
Genale Dawa III (hydro)	254 MW
Adama wind (wind)	204 MW
Gilgel Gibe I hydro (hydro)	184 MW
Melka Wakena hydro (hydro)	153 MW
Fincha hydro (hydro)	134 MW
Aysha II Wind (wind)	120 MW

Plus 16 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: EAPP master plan 2014. 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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