Aloe Energy research

Grows where the grid hasn't.

Ethiopia's power grid, 2035 and beyond

Planned lines and power plants, drawn over today's grid

29 power plants planned or being built (11,826 MW) · 4 transmission projects · 2 master plan links

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
- Dashed: transmission project (indicative route)
- Faint dashed: undated or concept
- Dotted: master plan interconnector

Power plants, 10 MW and above

- Hydro
- Oil
- Solar
- Wind
- Geothermal
- Biomass

20 MW · 200 MW · 1,000 MW · ring: not yet built

Town or city

In numbers

- **12 GW** in 29 power plants planned or under construction, against 11 GW running today
- **4** transmission projects not yet in service
- **5 of 5** projects with a promised date now expect to finish later than first promised, or have no date
- **2** interconnectors in the master plan

What is being built and planned

Solid: under construction (1.9 GW). Light: planned (9.9 GW).

Projects to watch

- **Ethiopia Roadmap (Masdar) solar farm, 2,000 MW**
  Planned · no date
- **Tams hydroelectric plant, 2,000 MW**
  Planned · no date
- **Koysha, 1,800 MW**
  Under construction · 2028 · first promised 2023
- **Karadobi hydroelectric plant, 1,600 MW**
  Planned · no date
- **Aysha wind farm, 452 MW**
  Planned · no date
- **Geba I and II, 371 MW**
  Planned · about 2032
- **Ethiopia–Djibouti second line 230 kV (Semera–Galafi–Nagad)**
  Under construction · about 2026 · first promised 2024
- **Ethiopia–Sudan second interconnector 500 kV**
  Feasibility · about 2032 · first promised 2020
- **Ethiopia–South Sudan 230 kV (Gambella–Malakal)**
  Pre-feasibility · about 2030
- **Ethiopia–Somaliland interconnector (Jigjiga–Hargeisa–Berbera)**
  Pre-feasibility · about 2030

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 today's grid.

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