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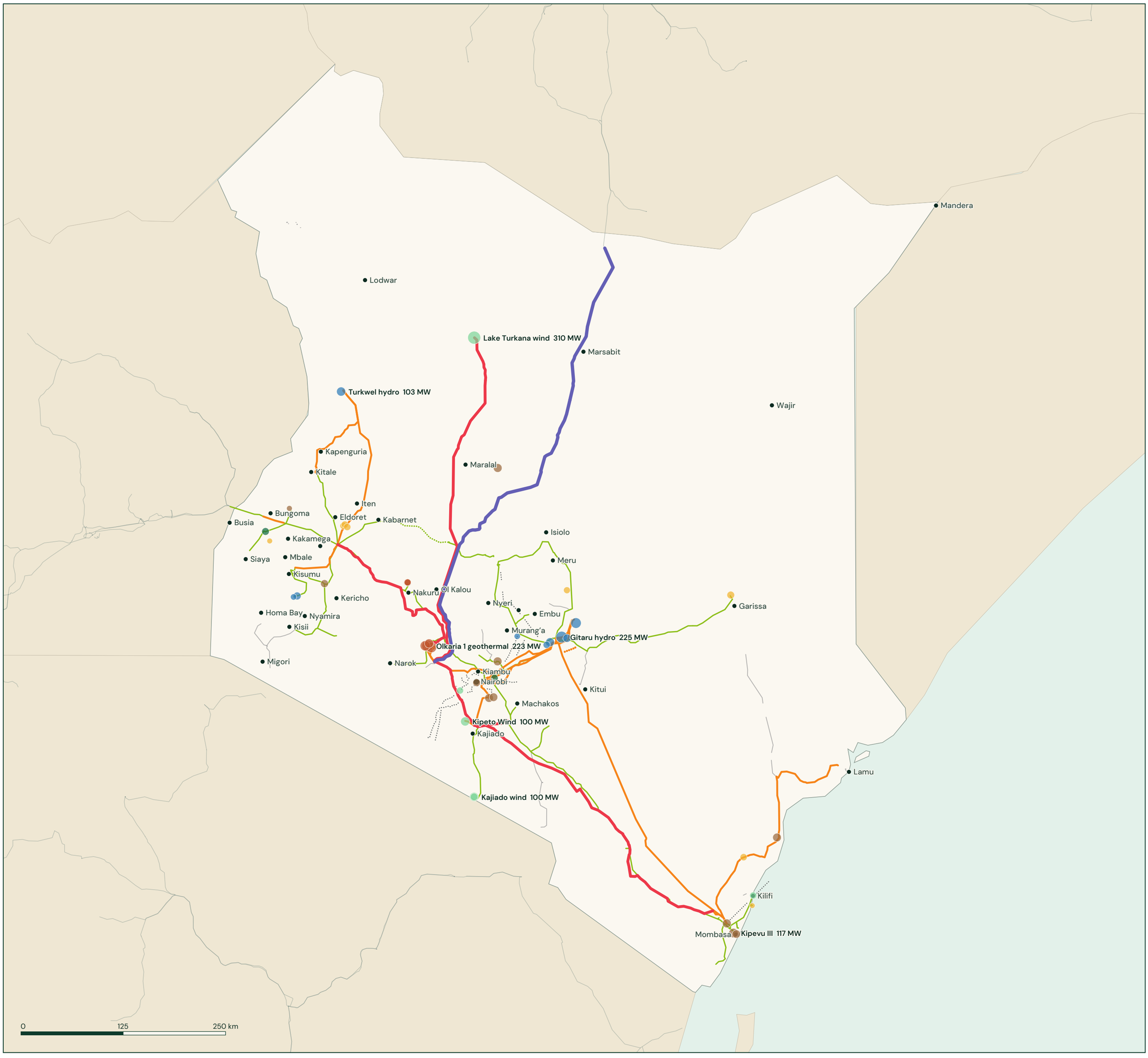
Kenya’s power grid today

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

7,477 km of lines, 66 kV and above · 43 power plants of 10 MW and above (3,381 MW)

Grows where the grid hasn’t.

Edition 1 · Data as of November 2026



How to read the map

- 500–533 kV
- 400 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
- Solar
- Wind
- Geothermal
- Biomass

20 MW · 200 MW · 1,000 MW

Town or city

In numbers

- **3.4 GW** in 43 operating power plants of 10 MW and above
- **7,477 km** of mapped transmission lines, 66 kV and above
- **65** substations mapped
- **25%** of operating capacity is oil

What runs Kenya today



- Oil 830 MW (25%)
- Hydro 803 MW (24%)
- Geothermal 752 MW (22%)
- Wind 632 MW (19%)
- Solar 267 MW (8%)
- Biomass 97 MW (3%)

Largest power stations

Lake Turkana wind (wind)	**310 MW**
Gitaru hydro (hydro)	**225 MW**
Olkaria 1 geothermal (geothermal)	**223 MW**
Olkaria V Geothermal (geothermal)	**172 MW**
Kiambere hydro (hydro)	**168 MW**
Olkaria 3 geothermal (geothermal)	**147 MW**
Kipevu III (oil)	**117 MW**
Olkaria 2 geothermal (geothermal)	**105 MW**
Turkwel hydro (hydro)	**103 MW**
Kipeto Wind (wind)	**100 MW**
Kajiado wind (wind)	**100 MW**
Kamburu (hydro)	**94 MW**

Plus 31 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 Kenya Power (KPLC GIS), 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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