Aloe Energy research

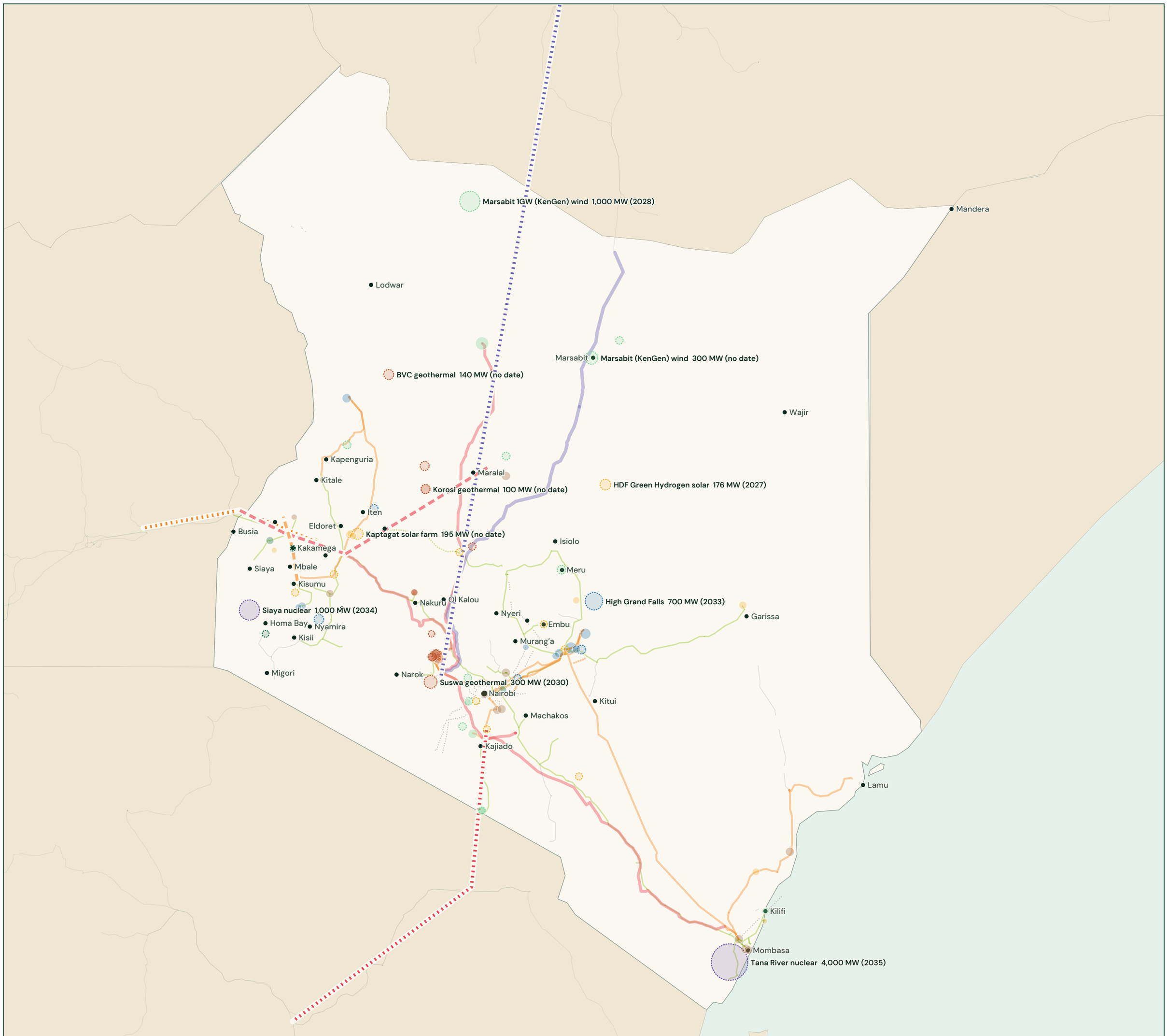
Grows where the grid hasn't.

Kenya's power grid, 2035 and beyond

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

39 power plants planned or being built (9,588 MW) · 3 transmission projects · 3 master plan links

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
- 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
- Nuclear

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

Town or city

In numbers

- **9.6 GW** in 39 power plants planned or under construction, against 3.4 GW running today
- **3** transmission projects not yet in service
- **4 of 4** projects with a promised date now expect to finish later than first promised, or have no date
- **3** interconnectors in the master plan

What is being built and planned

Solid: under construction (0.1 GW). Light: planned (9.5 GW).

Projects to watch

- **Tana River nuclear power plant, 4,000 MW**
  Planned · 2035
- **Marsabit 1GW (KenGen) wind farm, 1,000 MW**
  Planned · 2028
- **Siaya nuclear power plant, 1,000 MW**
  Planned · 2034
- **High Grand Falls, 700 MW**
  Planned · about 2033
- **Marsabit (KenGen) wind farm, 300 MW**
  Planned · no date
- **Suswa geothermal power plant, 300 MW**
  Planned · 2030
- **Kaptagat solar farm, 195 MW**
  Planned · no date
- **Kenya-Uganda Lessos-Tororo 400 kV (Kenyan section)**
  Under construction · about 2027 · first promised 2014
- **Kenya PPP: Lessos-Loosuk 400 kV**
  Procurement · about 2028 · first promised 2026
- **Kenya PPP: Kibos-Kakamega-Musaga 220 kV**
  Procurement · about 2028 · first promised 2026

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 today's grid.

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