Aloe Energy research

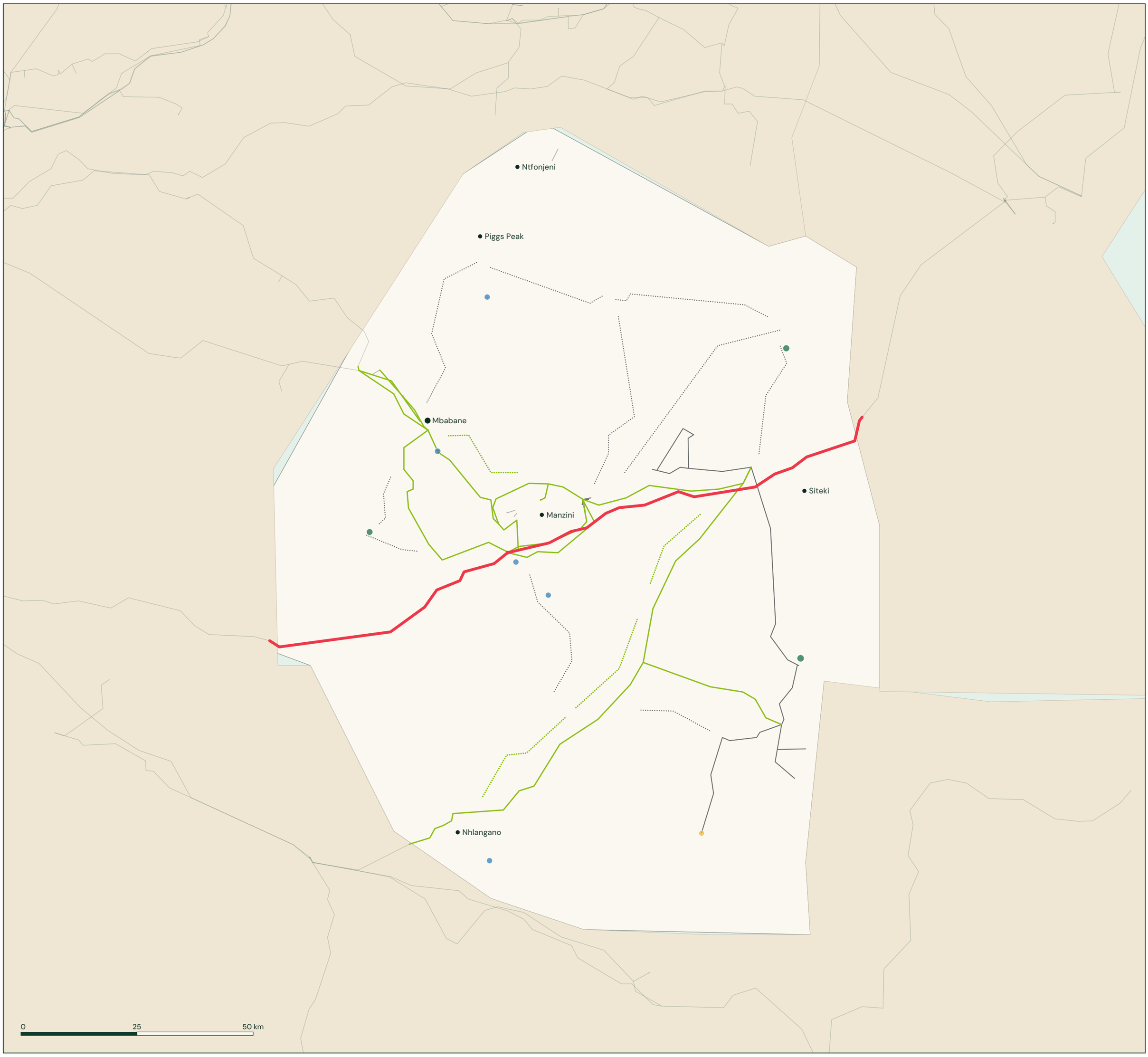
Eswatini's power grid today

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

1,113 km of lines, 66 kV and above · 10 power plants of 10 MW and above (202 MW)

Grows where the grid hasn't.

Edition 1 · Data as of November 2026



How to read the map

- 400 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 · Solar · Biomass · Other

20 MW · 200 MW · 1,000 MW

Town or city

In numbers

- **0.2 GW** in 10 operating power plants of 10 MW and above
- **1,113 km** of mapped transmission lines, 66 kV and above
- **18** substations mapped
- **47%** of operating capacity is biomass

What runs Eswatini today



Biomass 95 MW (47%) · Hydro 80 MW (39%)
Other 17 MW (8%) · Solar 10 MW (5%)

Largest power stations

Ubombo Sugar Mill (biomass)	40 MW
Simunye Sugar Cogeneration (biomass)	30 MW
Bhunya (biomass)	25 MW
Lupohlo (hydro)	21 MW
Simunye Mill (other)	17 MW
Edwaleni (hydro)	15 MW
Maguga Dam (hydro)	15 MW
Edwaleni (hydro)	15 MW
Lower Maguduza Hydropower Project (hydro)	14 MW
Lavumisa solar farm (solar)	10 MW

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. 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.

Aloe Energy

© 2026 Aloe Energy research
Edition 1, November 2026