Aloe Energy

COUNTRY BRIEF · NOVEMBER 2026

# Comoros: grid and electricity access

Mission 300 compact country

**519k**
people live without night-time light, a proxy for no power

**34%**
of them live within 15 km of a power line

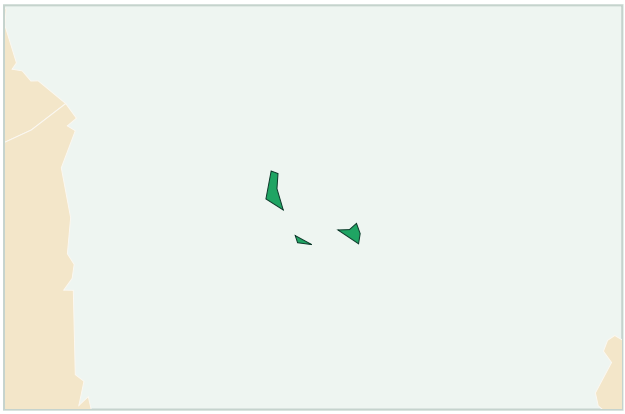
**100**
km of mapped and predicted power lines, all voltages

**100%**
access target in the Mission 300 compact (2030)

About 519,000 people in the Comoros live where satellites see no electric light at night, and 34% of them live within 15 km of a power line. This page brings together what our grid-edge screening and the Comoros's Mission 300 energy compact say about who still needs power, how close the grid is and what the country has committed to.

WHAT THIS MEANS

**141,000 people without power live 2 to 15 km from a line: close enough to plan for the grid, too far for a quick connection.**



## NEAR THE GRID, NOT ON IT

About 519,000 people in the Comoros, roughly 78% of the population, live where satellites see no electric light at night. Of them, 34% live within 15 km of a mapped or predicted power line: 36,000 within 2 km, 141,000 2 to 15 km away, and 341,000 farther out. The largest group lives more than 15 km from any line, where standalone solar and mini-grids are the realistic first step for years to come.



Within 2 km of a line: **36,000** (7%)
2 to 15 km: **141,000** (27%)
More than 15 km: **341,000** (66%)

"Without night-time light" is a satellite proxy, not a measured access rate.

## THE GRID TODAY

Gridfinder, which combines OpenStreetMap lines with medium-voltage lines predicted from night-time lights, maps about 57 km of existing and likely power lines in the Comoros. That includes lower-voltage distribution lines, so it is not comparable with the high-voltage totals on our grid-atlas country pages. We have not yet built a detailed grid atlas for this country.

**People without night-time light, by distance to a line**

| Distance | Million people | Share |
|---|---|---|
| Within 2 km of a line | 0.04 | 7% |
| 2 to 15 km | 0.14 | 27% |
| More than 15 km | 0.34 | 66% |
| **Total** | **0.52** | **100%** |

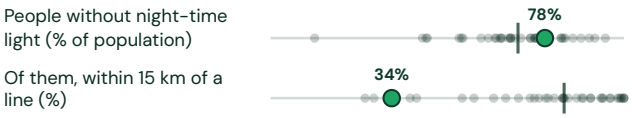
## MISSION 300 COMPACT

The Comoros's Mission 300 energy compact targets 100% electricity access by 2030. New access is planned as 78% grid, 14% mini-grids and 8% standalone solar.

**Mission 300 energy compact**

| Commitment | Value |
|---|---|
| Access target | 100% by 2030 |
| Planned split of new access | grid 78%, mini-grids 14%, standalone solar 8% |
| Clean cooking target | from 0% to 30% by 2030 |
| Private investment sought | US$0.273 billion |
| Rules for mini-grids when the grid arrives | Mentioned only |
| E-waste commitment | No |

## HOW IT COMPARES




Each dot is one country with a page on aloeenergy.org; the line marks the median. Positions only, no ranking.

**Sources:** People and distance to the grid: WorldPop 2020 and gridfinder (CC BY 4.0); compact: the national Mission 300 energy compact.

Aloe Energy

The full page, with the interactive atlas, is at aloeenergy.org/countries/comoros. The maps are free to view; the data behind them is available on request: brandon@aloeenergy.org. Aloe Energy is a not-for-profit initiative working at the grid edge in Sub-Saharan Africa.

Scan for the live page and map

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