Aloe Energy

COUNTRY BRIEF · NOVEMBER 2026

Central African Republic: grid and electricity access

Mission 300 compact country

3.9 M
people live without night-time light, a proxy for no power

29%
of them live within 15 km of a power line

2,700
km of mapped and predicted power lines, all voltages

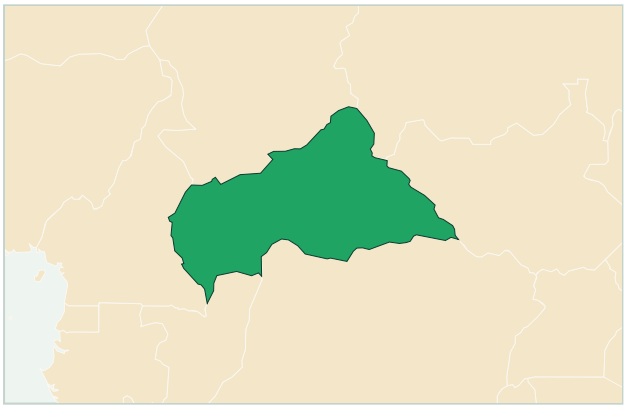
17%
electricity access, as stated in the compact (2024)

50%
access target in the Mission 300 compact (2030)

About 3.9 million people in the Central African Republic live where satellites see no electric light at night, and 29% of them live within 15 km of a power line. This page brings together what our grid-edge screening and the Central African Republic'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

To reach 50% electricity access by 2030, Central African Republic needs to add about 6 percentage points a year from 2024: from 17% today.



NEAR THE GRID, NOT ON IT

About 3.9 million people in the Central African Republic, roughly 82% of the population, live where satellites see no electric light at night. Of them, 29% live within 15 km of a mapped or predicted power line: 582,000 within 2 km, 565,000 2 to 15 km away, and 2.8 million 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: **582,000** (15%)
2 to 15 km: **565,000** (14%)
More than 15 km: **2.8 million** (71%)

"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 2,706 km of existing and likely power lines in the Central African Republic. 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	0.58	15%
2 to 15 km	0.56	14%
More than 15 km	2.78	71%
Total	**3.92**	**100%**

MISSION 300 COMPACT

The Central African Republic's Mission 300 energy compact commits to raising electricity access from 17% to 50% by 2030. New access is planned as 44% grid, 32% mini-grids and 23% standalone solar.

Electricity access

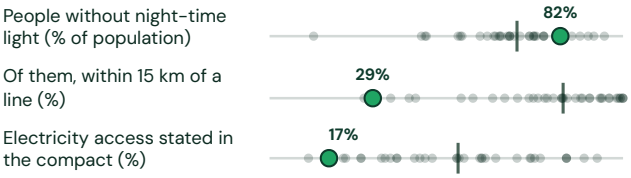


Now: **17%** (2024) Target: **50%** (2030)

Mission 300 energy compact

Commitment	Value
Planned split of new access	grid 44%, mini-grids 32%, standalone solar 23%
Clean cooking target	from 17% to 30% by 2030
Private investment sought	US$0.523 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.

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The full page, with the interactive atlas, is at aloeenergy.org/countries/central-african-republic. 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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