

Support Electricity Access with Solar PV in Burkina Faso

Project description

Access to clean and inexpensive energy is a priority of Burkina Faso's Ministry of Energy, which aims to increase the national and rural electrification rates by 45% and 19% respectively by 2025.

The Government has signed a deal with Africa REN to build and operate Kodení solar PV project. The plant is located near Bobo-Dioulasso (2nd largest city in the country) and will be operational in Q3 2022.

For Bachir Ismaël Ouedraogo, Burkina Faso's Minister of Energy, the Kodení Solar project is «essential for the energy autonomy of Burkina Faso. Solar energy is the cheapest and most abundant source of electricity for the country.»

Once constructed, Kodení will be the largest solar PV plant in the country and will supply more than 100,000 households with green electricity.

Project developer

Africa REN develops and operates competitive and reliable clean infrastructure solutions to expand access to power and promote energy self-sufficiency in African countries. Africa REN operates mainly in West Africa with the ambition to build a portfolio of solar and storage assets with a capacity of 250 MW by 2024. These assets are connected to the grid, or are off-grid to supply commercial and industrial companies with clean electricity. Africa REN operates the first solar power plant in West Africa, in Bokhol, Senegal.

Sustainable Development Goals



aera

Project details

Project name:

Kodení Solar

Project type:

Solar PV

Location:

Bobo-Dioulasso, Burkina-Faso

Project owner:

Africa REN

Status:

Under construction

Project ID:

Gold Standard 10793

Key facts

38,000 tCO₂
saved/year

38 MW
installed capacity

115k households
supplied with green electricity



Pictures



Impacts



More than 500MW of capacity will be added to the grid by 2025 at a competitive price, to the benefit of the Burkinabe population.

The project helps to reduce the electricity bill of households.



The plant was built through advanced technology transfer from industrialized countries.

This project will be the largest solar PV plant in the country.



Africa REN used the local workforce to build the plant.

The project is hiring 150 people for the construction phase and will rely on 30 permanent technicians to ensure operation and maintenance.



Solar accounts for 60% of the renewable energy generated in the country.

The country takes full advantage of this energy, the cheapest and most abundant in the country.

CSR Actions

Kodení Solar has made several commitments based on the needs expressed by the community. They constructed a maternity (with equipment, latrines, accommodations and solar electrification), classrooms electrified with solar energy and made the acquisition of an ambulance

Key facts




73,000 MWh
annual production

150 jobs
created during the construction phase

25 years
PPA contract with Sonabel

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