

BURKINA FASO

TECHNOLOGY	CAPACITY	LOAN SIZE	PROJECT NAME
Solar	3.6 MW	\$10 million	Rural Electrification by Photovoltaic solar system, PV/Diesel and power distribution mini-grids

PROJECT OUTLINE

This project involves the rural electrification of 42 localities in Burkina Faso with mini-grids, grid extensions and solar home system technologies. The proposed approaches are in line with national energy policy objectives to expand access to modern energy services across the country and promote the use of renewable power.

The project utilises a holistic approach by matching the most suitable and cost-effective technology with each end user. For example, in rural trading localities where populations are sufficiently dense, mini-grids provide a technical and economical competitive advantage over grid connection or individual solar kits. In sparsely populated areas, households are most cost-effectively served with individual solar kits.



PROJECT IMPACTS

ACCESS TO ENERGY

Improving access to energy is as a key component of the government's strategic development plan. In 2011, the country's national electricity access rate was 27%, with around 4% in rural areas. This project will provide energy to more than 12,400 households, businesses and community centres.

SOCIO-ECONOMIC

The provision of electricity to villages initiates a transformative change to end beneficiaries by enabling communities to move up the socio-economic development ladder. There are multiple benefits to local communities through improved living standards, access to education and health services as well as improving local air quality. The electricity produced from solar PV and hybrid sources is more cost effective than diesel alternatives in rural areas. It will support income generating activities and allow the set-up of small enterprises, stimulating inclusive economic growth.

ENVIRONMENT

The production of renewable electricity in this project will contribute to a reduction of CO₂ emissions of 2,500 tons each year.