

# Burundi 600MW parity photovoltaic project with supporting energy storage

How much solar power is available in Burundi?

Hydropower: 1,700 MW of potential. 300 MW are economically possible ("Burundi" 2022). Solar: Average daily solar insolation is 4-5 kWh/m2/day,indicating strong solar potential for Burundi ("Energy Profile Burundi" n.d.). There is a growing number of households,businesses,schools,and health clinics using distributed,off-grid solar.

### What is the primary energy supply in Burundi?

The remainder of the primary energy supply is from oil("Burundi Energy Profile" 2021). However, a majority (98%) of the renewable energy supply in Burundi is bioenergy. The remainder of the renewable energy supply is hydroelectric, and solar power ("Burundi Energy Profile" 2021).

## How much does electricity cost in Burundi?

Average power prices in Burundi are among the most expensive in the world, some sources citing the average tariff at USD 0.31/kWh("REGIDESO to Nearly Triple Electricity Tariffs" 2017).

#### Why does Burundi need a gas power plant?

This is driven by a lack of supply, grid inefficiencies (24% of supply lost due to transmission and distribution network technical issues (Nsabimana 2020)), lack of investment in new infrastructure, and dependence on a leased gas power plant ("Burundi ClimateScope 2021" 2021).

3E is proud to be part of Burundi's first utility-scale solar PV project. This project is the first grid-connected project receiving funding support from the Renewable Energy Performance ...

For example, the DeGrussa Copper-Gold mine project in Western Australia is powered by a 10.6 MW solar PV farm and is coupled with a 6 MW battery facility to power the off-grid mine 2. The ...



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