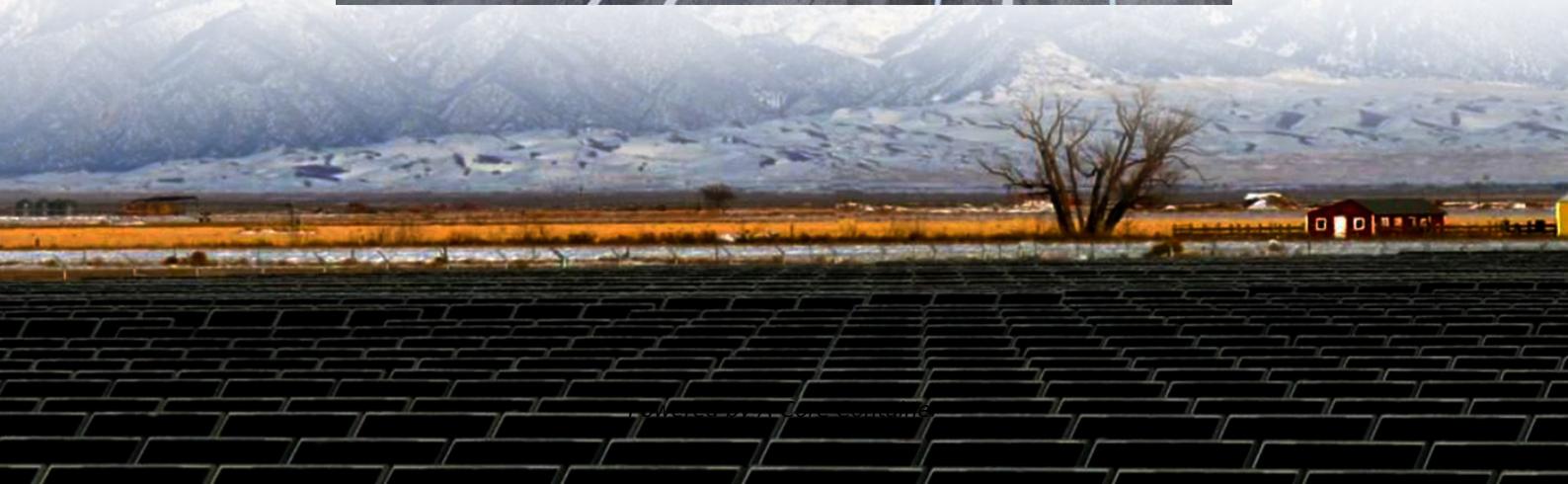
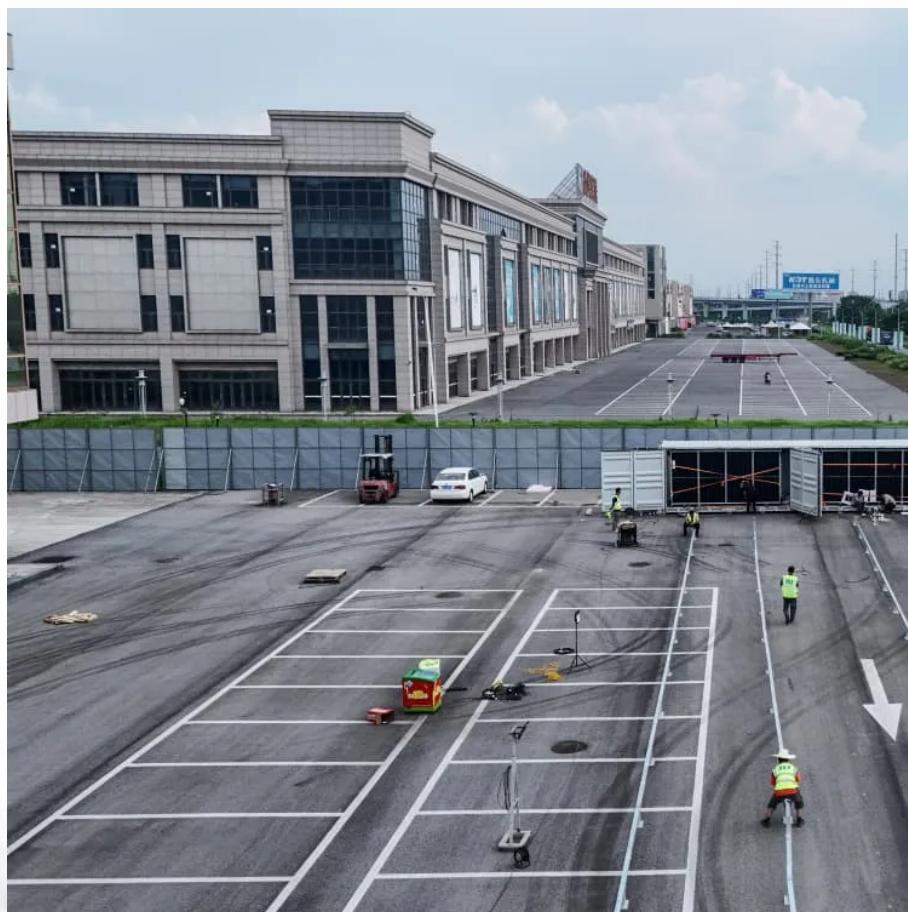


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Botswana communication base station wind and solar hybrid power generation parameters



Overview

What is the power sector in Botswana?

Revised in April 2025, this map provides a detailed view of the power sector in Botswana. The locations of power generation facilities that are operating, under construction or planned are shown by type – including liquid fuels, gas and liquid fuels, coal, hybrid, hydroelectricity and solar.

Who regulates the electricity sector in Botswana?

The Ministry of Mineral Resources, Green Technology and Energy Security (MMGE) leads the electricity sector through the Department of Energy, while the Botswana Energy Regulatory Authority (BERA) is tasked with regulating the sector by guaranteeing a competitive environment.

What is Botswana's primary energy supply?

Botswana's total primary energy supply (TPES) is fossil-based and largely reliant on oil products and coal, complemented by biomass and waste energy. A large proportion of TFEC comes from biomass energy in the form of traditional wood fuel (27.8%).

What is the energy balance in Botswana?

Figures 6 and 7 present the energy balance in Botswana for 2018, describing the flows from production and imports (Figure 6) to total final energy consumption (Figure 7). Botswana's total primary energy supply (TPES) primarily comprises oil products (34.7%), coal (47.7%) as well as (traditional) biofuels and waste (19.1%), (Figure 6).

Does Botswana have a high energy dependency?

Botswana has high energy dependency, as the largest proportion of overall energy consumption is imported, and oil-based products are mainly imported from South Africa (ICA, 2017). As represented in Figure 6, the biofuels and waste category (traditional biomass) is directed towards the residential sector.

What is Botswana's energy policy?

A prominent objective of the Policy is to achieve a substantive penetration of new and renewable energy sources in the country's energy mix; the goal is to attain adequate economic energy self-sufficiency and security, as well as positioning Botswana to fulfil its vision in becoming a regional net exporter, especially in the electricity sector.

Botswana communication base station wind and solar hybrid power

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