

How does South Sudan get its energy from unreliable sources?

Abstract: South Sudan gets most of its energy from unreliable sources such as diesel generators, fuelwood, crop residue, and charcoal, all of which emit CO₂. Fuelwood and charcoal use have resulted in the loss of trees and plants, which could lead to desertification, soil erosion, global warming, and the extinction of species habitats.

What is the governance of the energy sector in South Sudan?

The institutional and regulatory governance of the off-grid energy sector in South Sudan is still nascent. Table 2 below lists the major players participating in the governance of the energy industry and their positions as defined by applicable laws.

How can Sudan achieve energy self-sufficiency?

Encouraging solar and wind power in the country's energy portfolio could help Sudan achieve its goal of energy self-sufficiency. Egyptian policies such as nurturing and promoting renewable technologies and scientific research, feed-in tariffs, and tax exemptions could help Sudan achieve its objectives.

Is Sudan's Energy Sector Sustainable?

Further, Sudan's energy sector is currently subsidised by the government. Government subsidies to the sector totalled \$667 million in 2019. This represents 13.5% of total government expenditures. Financial sustainability could be achieved by introducing gradual tariff adjustments.

What are the challenges facing Sudan's energy sector?

Sudan's energy sector is facing numerous challenges: persistent blackouts, an inadequate energy infrastructure, and a poor and scattered government response.

How much does electricity cost in Sudan?

As for Ethiopia, Sudan imports electricity at a price of 4.5 cents/kilowatt. In August 2021, the Minister of Energy and Petroleum declared that the Sudanese energy sector needed urgent maintenance and restructuring at a cost of \$3 billion, another indicator of the dire financial needs of the sector.

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