

What is South Sudan's role as a power utility?

Its role as a power utility is expected to intensify as programmes to increase electricity access in South Sudan are implemented. It is proposed under the Electricity Bill 2015 as the regulatory entity for the electricity sector in South Sudan. It would function as the energy regulator whose functions would include the creation of regulations.

Do health institutions in South Sudan have access to electricity?

About 30% of South Sudan health institutions do not have access to electricity. However, there were disparities where 15.0% of health institutions in urban areas lacked access to electricity compared to 33.2% of health institutions in rural areas reported lacking electricity access.

How can humanitarian agencies contribute to solar energy in South Sudan?

Refugee contexts in countries such as Jordan have also led to the increased transition to solar energy through donor-led initiatives. Humanitarian agencies can also play a critical role in generating demand for solar systems in South Sudan refugee settlements, where biomass is predominantly used as energy source (Lemi & La Belle, 2020).

How many South Sudanese have access to electricity?

According to the study, only 5.4% of the South Sudanese population have access to electricity, slightly higher than the access rate of 4.2% reported in 2017.

Does South Sudan have a law on electricity?

The most relevant regulation in South Sudan's electricity sector, despite it not being passed into law, is the Electricity Bill of 2015. It is yet to be approved by the council of ministers and acquire the status of a law.

Is South Sudan achieving SDG 7?

South Sudan is off track to achieving Sustainable Development Goal number 7 (SDG-7), and the lack of access to widespread, reliable, and affordable electricity is a binding constraint to socio-economic development. The displacement of people due to the conflicts and flooding in the country further complicates the energy access challenges.

South Sudan ranks the least electrified country in Sub-Saharan Africa. Reliable and affordable power supply is essential for socio-economic development. The existing electricity grid in South Sudan is in the state cities and is not capable of extending to most customers in towns and the rural areas due to its dilapidated state. The purpose of this paper is to analyze ...

According to the World Bank, only 8.4% of the population had reliable access to power and electricity in 2022, leaving the door wide open to produce much-needed renewable ...

South Sudan monolithic power solutions

EarthSpark has been supporting SunGate to develop solar microgrids and electric cooking in South Sudan since 2021 when EarthSpark helped SunGate develop their initial grant proposal for the Humanitarian Grand Challenges.

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Creative solutions could help South Sudan break this cycle, and in at least one area - renewable energy - unique opportunities exist for the government and its international and national partners to support the ...

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Most decentralized power systems in South Sudan are operated by private companies, NGOs and humanitarian organizations in South Sudan. In assessing the capacity ...

Figure 7: Comparison of Kenya's and South Sudan's Score on Electricity Access Indicators from World Bank's Regulatory Indicators for Sustainable Energy (RISE) Framework [Source: ESMAP]12

Abstract: Village Help for South Sudan in collaboration with IEEE's Community Solutions Initiative (CSI) and private donors are striving to create a sustainable business model for rural electrification in South Sudan, one of Africa's least developed countries. The pilot project is a combination of Mini-grid PV system with Portable Battery Kits ...

The utility is working to establish or extend interconnections with Sudan, Uganda, and Ethiopia to reach into South Sudan's interior. At the same time, the young country is adding its own generation.

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To test its performance as a localized power generation and distribution network, SunGate Solar installed South Sudan's first solar microgrid to deliver clean, reliable, and affordable electricity to the community of Wanyjok.



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Transforming energy in Juba, South Sudan is a crucial step in ensuring sustainability and reliability in electricity supply. With the region facing challenges in its ...

According to the World Bank, only 8.4% of the population had reliable access to power and electricity in 2022, leaving the door wide open to produce much-needed renewable energy in South Sudan. Renewable Energy in South Sudan. Currently, most of the country's energy production takes place in the capital city of Juba, with very little power ...

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