

Does Sierra Leone need a reliable energy supply?

The nationwide electrification rate was recorded at 5% (estimated at 12% in urban areas and 2% in rural areas) in 2018 with roughly 150,000 connected customers. The country's energy needs are hugely under served, and the lack of a reliable energy supply is the primary obstacle to Sierra Leone's development.

Do energy statistics exist for Sierra Leone?

Although no consolidated set of statistics exists for the total Energy situation of Sierra Leone, energy statistics are difficult to obtain, especially for renewable energy. Conventional thermal energy production and consumption patterns have been reported.

Does Sierra Leone generate hydropower?

In Sierra Leone, hydropower generation accounts for 59% of the total electricity generation capacity in the grid-connected sector. Source: Energy policy of SL_FINAL for Print.pdf Renewable Energy Policy of Sierra Leone

What type of energy is used in Sierra Leone?

In Sierra Leone, over 80% of energy is consumed as biomass, with the largest source being wood fuel and charcoal.

How can I see the wind and solar potential in Sierra Leone?

You can find information about the wind and solar potential in Sierra Leone by using the useful IRENA mapping tool. A website on the Renewable Energy Sector in Sierra Leone was developed by EnDev and partners. Mini-Grid Market Opportunity Assessment: Sierra Leone, AfDB and SEFA, Nov 2019.

Could wind energy be a viable option in Sierra Leone?

There is some indication that wind speeds of 12 m/s are possible in parts of the country, implying that wind energy could be a viable option in selected locations. Currently, Sierra Leone has one wind energy system of 5 kW located in the Bonthe District, along the southern coastline.

Energy consumption in Sierra Leone is dominated by biomass, which accounts for over 80% of energy used. The largest source of biomass energy is wood fuel followed by charcoal [5], while the use of agricultural crop residues and bagasse in the sugar industry remains limited.

Sierra Leone: Many of us want an overview of how much energy our country consumes, where it comes from, and if we're making progress on decarbonizing our energy mix. This page provides the data for your chosen country across ...

Sierra Leone is blessed with abundant primary energy resources. These include crude oil and natural gas

reserves and renewable energy resources such as hydro, fuel-wood, solar, wind and biomass.

Sierra Leone is making significant progress towards increasing its renewable energy mix to 60 per cent by 2030, with a focus on rural electrification through initiatives like solar...

framework required to ensure an effective renewable energy transition in Sierra Leone, and we hope that it will inspire increased focus on the legal and capacity aspects of the energy transition process in Sierra Leone and elsewhere.

There is no regulatory framework for energy efficiency as a whole in Sierra Leone. There are no financing mechanisms or incentives for energy efficiency. Minimum energy performance standards (MEPS) and labels have not been adopted for any appliance or equipment.

Sierra Leone: Many of us want an overview of how much energy our country consumes, where it comes from, and if we're making progress on decarbonizing our energy mix. This page provides the data for your chosen country across all of the key metrics on this topic.

Sierra Leone is one of the countries in sub-Saharan Africa whose progress in off-grid electrification has been relatively slow. This is mainly due to financial, regulatory and coordination constraints by the government.

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