

Sierra Leone Outdoor Power Tariff

Is the mini-grid tariff in Sierra Leone unaffordable?

It is important to emphasize that although the mini-grid tariff in Sierra Leone is considered unaffordable by many, a large number of mini-grid customers had never used electricity in this form prior to the arrival of the mini-grid and ended up consuming more electricity than they could afford.

Why is Nigeria reducing electricity costs compared to Sierra Leone?

The larger size of the Nigerian market (and increased scale of electricity demand) plays an important role in driving cost reductions vis-à-vis Sierra Leone, where there are fewer mini-grid customers in more sparsely populated rural villages.

Does Sierra Leone have a sustainable mini-grid sector?

The purpose of this study is to provide practical guidance and recommendations to the Government of Sierra Leone (GoSL) for the sustainable development of the country's mini-grid sector by building upon lessons learned from the ongoing Rural Renewable Energy Project (RREP) as well as from mini-grid sector development in Nigeria.

Can mini-grids power rural agriculture in Sierra Leone?

In Sierra Leone, where most of the population lives in rural areas and engages in subsistence agriculture, mini-grids can power rural agricultural productivity and create new businesses or expand existing ones linked to the agricultural value chain. (Figure ES-1).

How are electricity tariffs set?

Tariffs are set taking into consideration operational costs, depreciation of assets, reserves for maintenance and replacements of assets, taxes, capital-related costs, and a reasonable profit margin depending on the quantity of electricity sold.

Can EEI help Sierra Leone integrate PUE into mini-grid development?

Under the Energizing Economies Initiative (EEI), the REA pursued an end-to-end approach for electrifying commercial hubs/economic clusters. Both the NEP and EEI initiatives can serve as a blueprint for Sierra Leone to integrate PUE into mini-grid development (more on PUE in Section IV).

As a result of the cost of electricity provision from ageing power plants in Freetown (and in Sierra Leone more generally) - with their very high Operation and Maintenance (O & M) costs - the country is largely dependent on temporary electricity supply [3]. This includes electricity from a floating power plant called Karpowership, 3 at a monthly cost of approximately US\$2 ...

The Government to electrify 35,000 rural households with renewable energy. Freetown, Sierra Leone - 13 December 2024: The Government of Sierra Leone has prioritized energy development in key national

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strategies to meet the growing demand for electricity and to address the need for new generation capacity. To meet the growing demand for electricity in ...

The following Agreements were ratified by the Parliament of Sierra Leone: 1. Power Purchase Agreement by and Between the Ministry of Finance, the Ministry of Energy, the Electricity Distribution and Supply Authority and Innovent SAS Waterloo Innovent Solar Park (WISP) Limited Relating to the A 15-30 MW Solar Power Grid connected project in Waterloo, ...

The regulator has not yet developed technology-specific model contracts or power purchase agreements for different renewable energy technologies although the EWRC Tariff ...

It is delivered at a very high cost with Sierra Leone having one of the highest electricity tariffs in the sub-region. There are numerous waterfalls for hydropower and abundant sunlight for solar power generation with an estimated hydro project potential of more than 1000MW, while solar opportunities are above 240 MW. ... Power Africa supported ...

Sierra Leone: Intra-Africa trade and tariff profile - 2018 Trade Data Update, No. 26/2019 | December 2019 2 million, accounting for 35% and 12% of Sierra Leone's global exports and imports, respectively. Sierra Leone's intra-Africa exports increased by 46% between 2017 and 2018, due to increased exports to Senegal (616%),

In Sierra Leone, various subsidies as well as the removal of the goods and services tax (GST) on operators have been provided to reduce mini-grid end-user tariffs. But it is recognized, by Sierra Leone stakeholders, that further interventions are still needed to address mini-grid tariff affordability and therefore access.

buyer. Unintended current in the grid of Sierra Leone may result from a transaction between two neighbouring countries that have a direct cross-border link but are also interconnected to Sierra Leone. These unintended loop currents bear a cost to the Sierra Leone transmission grid.

structures with multiple centers of power in cultural authorities, which undermines social cohesion. ... including tariff setting, licensing procedures for potential developers, and technical regulation, are currently co-administered by the MoE. As a result, the Electricity Act is far from fully implemented. 11. Sierra Leone has one of the ...

The Sierra Leone Road Safety Authority (SLRSA) announced an upcoming increase in service tariffs through an internal memorandum today. The document cites thorough discussions and consultations with stakeholders, ...

The National Communications Authority (NatCA) has issued a public notice to inform the public about recent changes in tariffs for voice and data services, by the provisions of the National Communications Authority Act 2022. The tariff adjustments come as a response to rapidly changing cost variables in the telecommunications

industry. NatCA, after extensive ...

Sierra Leone Road Safety Authority (SLRSA) has published a new tariff for the registration of vehicles and motorbikes across the country. The new tariffs see increments made in the registration prices of all the various types of ...

Mini-grid survey analysis on tariffs, subsidies and productive use The purpose of this study is to provide practical guidance and recommendations to the Government of Sierra Leone for the sustainable development of the country's ...

the grid is available, consumers experience frequent power cuts ranging from four to 15 hours per day.⁶ Nigeria has a significant electricity supply deficit, with only one-third ... Mini-Grid Tariff Frameworks in Sierra Leone and Nigeria Mini-Grid Regulations In June 2019, the EWRC approved the 2019 Mini-Grid Regulations, which were ...

The Commission is often seen as "balancing" of interests of its stakeholders through the protection of consumers from unfair treatment by utilities, promotion of economic efficiency of the service providers/investors, and the monitoring of compliance to standards and regulations.

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Sierra Leone developed an RE policy in 2016 that was updated in 2019. SLEWRC is in charge of renewable energy regulation. ... Potential investors into the sector may directly solicit the Ministry of Energy (as off taker) and agree on a tariff in a power purchase agreement, which is then approved by the regulator. This practice reduces the ...

The Sierra Leone Electricity and Water Regulatory Commission is established to formulate, implement, monitor quality and compliance, provide tariff. Objectives The Electricity and Water Regulatory Commission (EWRC) was established by an Act of Parliament in 2011, with the following objectives:

3132 Cap. 272] Customs Tariff Certification 11. (1) Every sum of money which shall be due for drawback of debenture . for payment shall be paid by the Accountant General on the proper debenture of Jra;b~k f certified by the proper officer; and the Accountant General is ~~ti;; ;~d fn hereby also authorised to return any money which shall have ~r~~ri948_ been overpaid ...

Table 8: Overview of power generation sites in Sierra Leone owned by the utility EDSA (Adapted from Janse, 2018) 23 Table 9: Rural Electrification Targets in Sierra Leone (Source: NREAP, 2015) 26 Table 10: List of existing mini-grids projects to date in Sierra Leone 30 Table 11: Mini-Grids Tariffs in Segbwema 32

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tariff of US\$0.22/Wh is in line with what obtains in other countries in the sub-region. He added that the off-grid electricity tariff in Sierra Leone ranges from 0.60 dollars to 0.75 dollars per kilowatt (kWh). Sannoh assured that not long from now, they will provide reliable, sustainable, and affordable electricity to all EDSA customers.

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The Mini-Grid Regulations (2019) define the tariff determination methodology, based on a cost-of-service approach. Tariffs are set taking into consideration operational costs, depreciation of assets, reserves for ...

By Politico Staff Writer As the challenges to pay power producers heighten, the Sierra Leone Electricity and Water Regulatory Commission (SLEWRC) has engaged stakeholders in a day's public hearing for the proposed increase in the Electricity Distribution and Supply Authority (EDSA) tariff from 11 to 12 US cents. The public hearing was held at the Freetown ...

Sierra Leone by the end of 2019. The RREP aims to deploy a total of 97 mini-grids across the country (see figure 2); -- The MoE and several donors are currently in discussion ...

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