

Global Energy Interconnection Sierra Leone





Overview

The CLSG Interconnection Project, which connects Côte d'Ivoire, Liberia, Sierra Leone, and Guinea, is a major step toward integrating with the West African Power Pool (WAPP), improving cross-border electricity trade and grid stability. Sierra Leone has high rainfall (2,500mm/year) for hydro, viable wind speeds, and strong solar exposure—ideal for renewables. The government restructured the sector in 2015, unbundling the National Power Authority into the Electricity Generation and Transmission Company (EGTC) and the Electricity Distribution and Supply Authority (EDSA), under the regulatory oversight of the Electricity and Water Regulatory Commission. This Compact presents a strategic framework to accelerate access to affordable, reliable, and sustainable energy, targeting 78% national electricity access by 2030 while enabling inclusive economic growth has access to electricity. His Excellency Julius Maada Bio, the President of Sierra Leone, launched the Energy Transition and Green Growth Plan on 4th November 2024 at the Climate Resilience and Energy Transition Dialogue in Sierra Leone. The completed 225 kV CLSG Rural Electrification project successfully connected 31 communities with 15,755 new connections, demonstrating effective.



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Multinational

This project, which would greatly facilitate the power exchanges among the countries in the West African sub-region, is known as the Côte d'Ivoire - Liberia - Sierra Leone - Guinea (CLSG) Interconnection

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Sierra Leone's Infrastructure Revolution: Building West

With substantial investments supported by the African Development Bank Group and other partners, the country's energy transformation-- upgrading

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Increasing Energy Access in Sierra Leone

A key difference between the two countries is that Sierra Leone does not have an agency such as the Nigerian Rural Electrification Agency (REA) dedicated exclusively to rural electrification and energy

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Stakeholder decision-making: Understanding Sierra

The Sierra Leone energy sector suffers from multiple problems of inadequate capacity and finance. Most of the population does not have access to electricity,

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Top reasons to select Sierra Leone for investing in Energy

Strong market demand for energy Global renewable energy capacity grew by more than 45% in 2020 led by a massive 90% increase in wind capacity. 1 Sierra

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Global renewable capacity grew 45% in 2020, led by a 90% increase in wind. Sierra Leone's new energy strategy supports growing demand. Only 15% of the population currently has access to

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Renewable energy investment factsheet: Sierra Leone

4. Investment prospects Investing in Sierra Leone offers a unique opportunity to tap into a rapidly growing renewable energy market with vast untapped potential. With an electrification rate of just

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Powering progress: Supporting Sierra Leone's green



Latest updates 26 January 2026 The Salone Off-Grid Renewable Energy Acceleration (SOGREA) Initiative today launched its first Call for Pre-Qualification

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Sierra Leone secures \$225 million oil deal to boost offshore

Sierra Leone has signed a \$225 million offshore oil agreement with Nigeria's Marginal Energy. The deal covers five offshore blocks spanning 6,800 square kilometres. Freetown will retain

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World Bank Document

Energy Planning Unit Environmental and Social Framework Environmental and Social Impact Assessment Enhancing Sierra Leone Energy Access Environmental and Social Management

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SIERRA LEONE ENERGY TRANSITION AND GREEN GROWTH PLAN

Sierra Leone will require approx. USD 6.5 billion up to 2040 and a cumulative total of USD 15 billion to achieve universal energy access and sustainably power various sectors to meet social and

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CLSG INTERCONNECTION

The project consists of a 1350 km 225 kV transmission line to interconnect the West African countries of Côte d'Ivoire, Liberia, Sierra Leone and Guinea. Its purpose is to improve the

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Sierra Leone



The USD 508.62 million CLSG Interconnector Project is a landmark cross-border project involving the construction of a transmission line of over 1,300km, with the aim to interconnect the CLSG countries'

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West African power interconnections , African Energy

Published April 2024, this map illustrates West Africa power interconnections across Liberia, Guinea, Sierra Leone, Guinea Bissau, Gambia

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Sierra Leone Energy Transition and Green Growth Plan

The plan marks a significant step in achieving universal energy access and economic development in Sierra Leone with a target of 100%

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SEforALL implements ambitious Country Programme to

The Global Energy Alliance for People and Planet and the UK's Foreign, Commonwealth & Development Office are among the key partners to

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Country work

With local presence in Sierra Leone in the form of a Country Manager, we have partnered with the Government of Sierra Leone and other stakeholders to design

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Sierra Leone News: Electricity interconnection open energy market

Adding further that this project "will open up the energy market to facilitate transmission of the energy from Cote d'Ivoire to Guinea through Liberia and Sierra Leone. This is the



way to

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CHICO Engages Ministry of Energy on Potential Partnership to Boost

If all parties agree, the final document will be submitted to Parliament for approval, including the financial model, power purchase agreement, implementation agreement,

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Guinea

The project consists mainly in the construction of a high voltage interconnection network linking Côte d'Ivoire, Liberia, Sierra Leone and Guinea.

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Sierra Leone , Sustainable Energy for All

The SOGREAH Investment Support directly addresses the critical financing gap for green mini-grids, which are crucial for providing energy access

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SL

Improving infrastructure for energy Several steps have been taken to improve the country's energy infrastructure network. In 2020, Sierra Leone completed energy interconnection with Côte d'Ivoire,

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Sierra Leone

Declaration of Commitment economic growth and create jobs. To achieve this, the Government has set the following Ø Increase access to energy from 36% to 78% of the population by connecting at least



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Sierra Leone completed power interconnection with Côte d'Ivoire, Liberia, and Guinea, opening access to the West Africa Power Pool. The workforce is vibrant, youthful, and expected to exceed 3 million

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Sierra Leone

The survey shows that nationwide 21.1% of Sierra Leone households have access to electricity via the national grid (20.5%) or mini-grids (0.6%) and 14.7% have off-grid .

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Powering Africa: The Transformational Impact of



These projects collectively enhance electricity access, address current energy challenges and future growth prospects, and promote the regional

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