

Increased renewable energy penetration suriname



Overview

Suriname is navigating a challenging phase in its energy transition. As of 2024, approximately 48% of the country's electricity was generated from hydropower (754.

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[Suriname's Energy Sector: Aligning Transition with Equity and](#)

Progress is being made, and Suriname launched its Electricity Sector Plan (ESP) 2025-2044 on May 15th, 2025. The NDC sets an unconditional target to achieve over 35%

[Turbines of the Caribbean: Decarbonising Suriname's electricity mix](#)

The Caribbean nation of Suriname has historically depended on a mix of hydropower and oil-based fossil fuels for meeting electricity needs. Continued reliance on fossil fuels poses



[Renewable Energy in Suriname: A Pathway Out of Poverty](#)

Renewable energy in Suriname, especially decentralized solar PV and hybrid systems, improves energy resilience by reducing reliance on imported fossil fuels and fossil fuel price shocks.

Towards Just Energy transition in Suriname

The participants discussed the current state of play with regards to energy access, existing policy framework, applicable models, ongoing programs, challenges and opportunities for



2023 Suriname Energy Report Card

The use of renewable energy to including solar,



Suriname overview: energy future looks bright

Diversification of Suriname's energy mix with solar and hydro energy will boost the country's energy security by reducing its reliance on costly imported fossil fuels.

geothermal and waste-to-energy is encouraged as the country makes a transition in the energy sector. The Policy addresses the electricity sector and the



Electricity Sector in Suriname

Suriname has 600 thousand inhabitants with 70% living in the Capital city of Paramaribo and surroundings. The total installed capacity is 510 MW with 37% from hydropower. The challenge is to

Suriname and renewable energy technologies

Suriname, located on the northeastern coast of South America, is primarily reliant on fossil fuels for its energy needs. However, the government recognizes the unsustainability of this approach and is



[Overview of the Suriname Electricity Sector Plan \(ESP\)](#)

Include a renewable energy charge to recover the cost of power purchased from IPPs and distributed energy customers. This charge should appear as a separate item in the tariff structure and be

[Suriname Electricity Generation Mix 2023 , Low-Carbon Power Data](#)

To boost its low-carbon electricity generation, Suriname can look to successful regions for guidance. Countries like France and Slovakia have harnessed nuclear power, generating more than 65% of



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