Suriname Energy Storage and New Energy

What is the energy mix in Suriname?

This energy mix highlights both opportunity and urgency: while Suriname benefits from abundant natural resources,it remains significantly reliant on fossil fuels and centralized systems. The national grid of the electricity sector in Suriname is segmented into two main systems: EPAR and ENIC,along with a series of smaller interior grids.

How much electricity does Suriname generate?

Suriname is navigating a challenging phase in its energy transition. As of 2024, approximately 48% of the country's electricity was generated from hydropower (754.5 GWh), with the remainder supplied by heavy fuel oil-based power plants.

Is Suriname navigating its institutional and operational capacity in energy reforms?

Despite progress,Suriname is navigating its institutional and operational capacity in the reforms. 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% renewable energy in the national energy mix by 2030.

Does Suriname have a National Energy Vision?

The national energy vision is also backed by a broader framework. In February 2025,Suriname officially launched its Green Development Strategy 2025 - 2050,which is a long-term roadmap for sustainable development.

This review highlights the latest advancements in thermal energy storage systems for renewable energy, examining key technological breakthroughs in phase change materials (PCMs), ...

Suriname"s Expansion Plan ensures a reliable and sustainable electricity sector for 2025-2029, with a 20-year strategic outlook to 2044 with a 5-year action plan

The new ESP reflects new drivers of change The discovery of and plans to extract oil and gas are expected to significantly shift Suriname"s context. The 2025 ESP is aligned with these ...

energy storage systems (BESS). Battery storage is an essential enabler of renewable-energy generation, helping alternatives make a steady contribution to the world"s energy needs despite the ...

Based on the characteristics of PV and energy storage power stations, Huawei Digital Power has brought its more than 30 years of practical experience to play in building a ...

Suriname is advancing toward a more sustainable energy sector. Read how the IDB is supporting the country the diversifying the energy mix.

a small South American nation, Suriname, quietly becoming a trailblazer in renewable energy. Its newly

announced energy storage power station isn"t just another infrastructure ...

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With its new energy storage projects around Wellington generating 80MW of dispatchable power last quarter [1], this South American gem"s become a living lab for renewable integration.

As Paramaribo marches toward its 2030 renewable energy targets, one thing"s clear: energy storage system equipment isn"t just supporting the grid - it"s rewriting Suriname"s energy playbook.

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