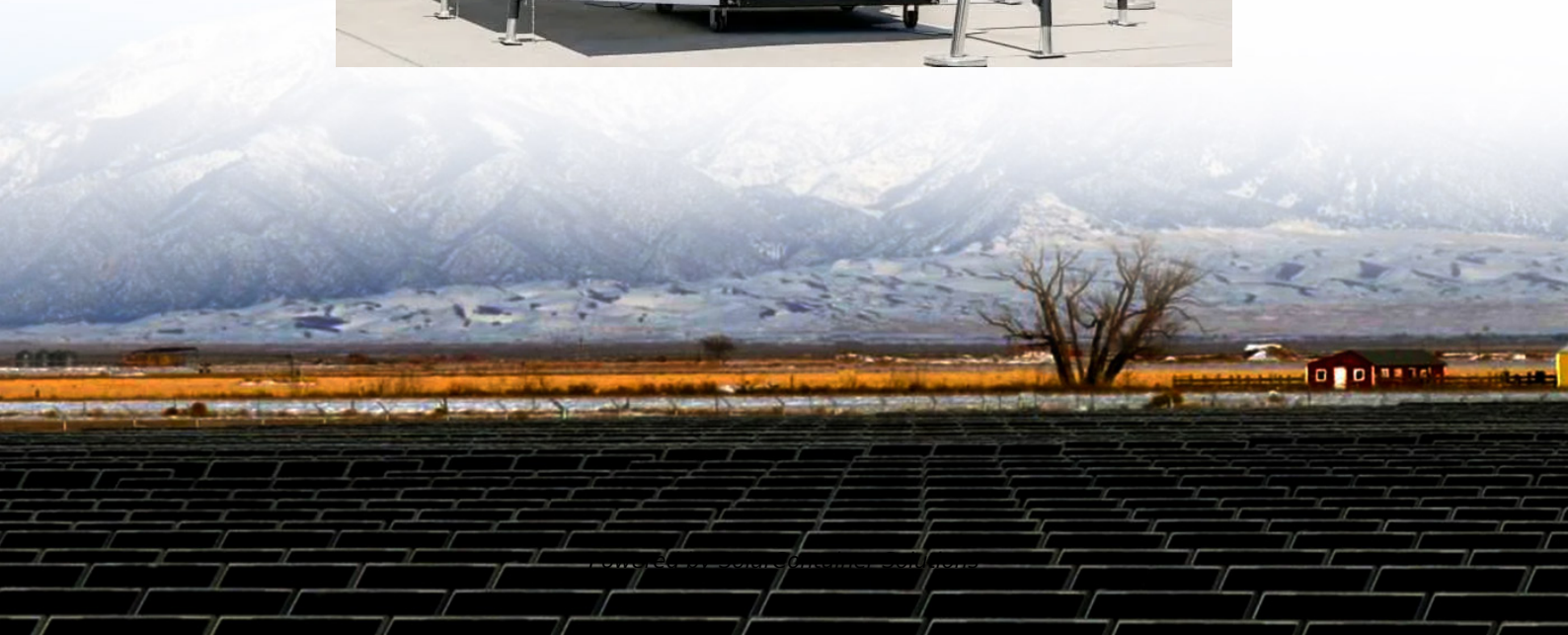


Guyana Energy Storage Project Investment Plan





Overview

What resources are available in Guyana?

In Guyana, solar energy, wind and hydropower are good complementary resources. Solar energy is available during daylight hours, peaking at noon, while wind is stronger during evening hours and at nights. Wind is lower during the wet seasons, while hydropower is fully available.

Which hydropower projects are being implemented in Guyana?

Guyana is currently implementing three small hydropower projects: a 150kW in Kato, the rehabilitation of Moco-Moco hydropower site, which would increase the capacity up to 0.7MW and a new 1.5MW hydropower plant in Kumu. Moco-Moco and Kumu hydropower projects will provide energy to Lethem grid.

What is a small-scale hydropower project in Guyana?

Small-scale is discussed under “Isolated Grids” below. Guyana has a potential for 8.5 Gigawatt (GW) of hydropower on 33 hydropower plants (including storage capacity and run-of-river). It is anticipated that Guyana will build two hydro plants over the next 20 years: Amaila Falls and another which is still to be identified.

Can hydropower provide Guyana with utility-scale and small-scale capacity?

Hydropower has the potential to provide Guyana with both utility-scale and small-scale capacity. Small-scale is discussed under “Isolated Grids” below. Guyana has a potential for 8.5 Gigawatt (GW) of hydropower on 33 hydropower plants (including storage capacity and run-of-river).

Who owns afhp project in Guyana?

In 2007, Sithe Global entered as a potential investor in the Project. The Government of Guyana and Sithe Global established a special purpose company, Amaila Falls Hydro Incorporated (AFHI), to develop the AFHP. The



AFHI, after a competitive bidding in 2008, selected China Railway as the Engineering, Procurement and Construction (EPC) Contractor.

Is afhp a good option for Guyana?

In 2016, the APNU/AFC Government, with support from Norway, hired an independent consultant (Norconsult) to review the project. The report, published in December 2016, recommended the development of AFHP as the best option for Guyana to achieve affordable, low-carbon electricity.



Guyana Energy Storage Project Investment Plan



Why Guyana's Energy Storage Project is a Game-Changer for ...

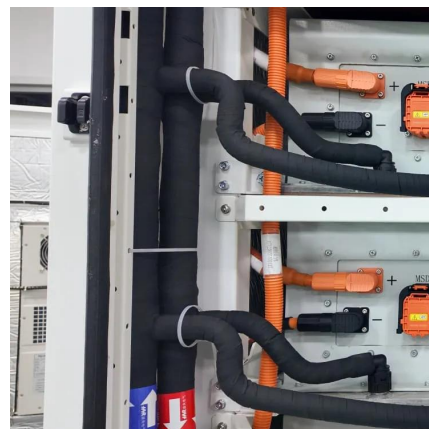
Guyana's project isn't just about storing energy--it's about harnessing chaos. With 87% forest cover and rivers that behave like moody teenagers (unpredictable and full of ...

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[Guyana's 4th FPSO on its way for US\\$10B Yellowtail ...](#)

Kaiteur News- A fourth Floating Production Storage and Offloading vessel (FPSO) to produce oil at the Yellowtail field in the Stabroek ...

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[Guyana Gas to Energy project is unnecessary and financially](#)

IEEFA estimates that the amount of capital investment poised to be spent on the Gas to Energy project would be more than enough to provide reliable power to every ...

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[Guyana approves budget for gas-to-energy projects](#)

Guyana approves a \$51.2 billion investment in gas-to-energy projects, including a natural gas



power plant, to cut electricity costs by 50%.

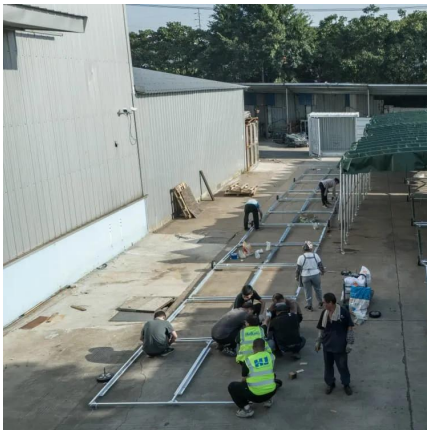
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[Solar power leads energy transition pathway amidst ...](#)

He added that Guyana Power and Light (GPL), which is already embracing renewable energy opportunities, is currently developing a feed-in ...

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US and Norway banks invest \$83m in 34MWh storage projects in Guyana

The Latin America and Caribbean-focused bank is supporting the Government of Guyana with the deployment of the eight solar PV farms with a combined 33MWp power and ...

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[GUyana Utility Scale Solar Photovoltaic Program \(GUYSOL\)](#)

It outlined its goal to "develop a mix of wind, solar, biomass and hydropower to supply both the demand of the national grid and the energy requirements for towns and villages in Guyana's ...

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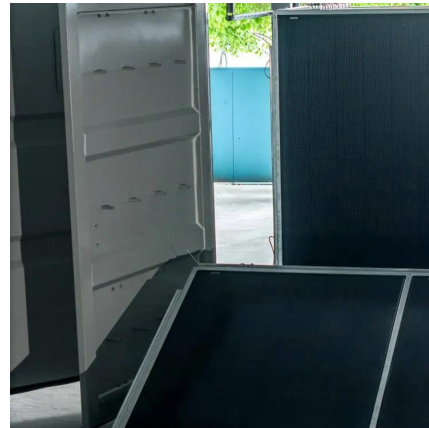




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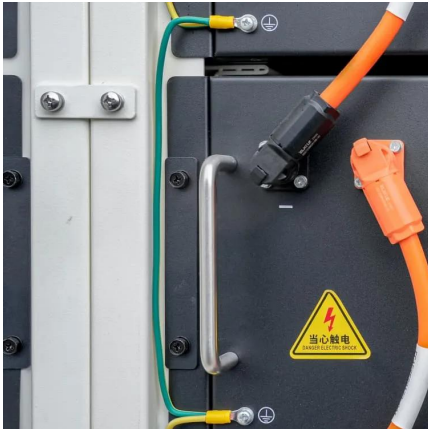
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Guyana's Gas-to-Energy Project to Expand Downstream Industries

The government is advancing efforts to expand Guyana's downstream industries through the Gas-to-Energy (GTE) project, with a focus on local and regional investment, ...

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Guyana Launches Tender for 15 MW Solar PV Project with Battery Storage

The Government of Guyana, in collaboration with the Inter-American Development Bank (IDB), has initiated a competitive bidding process for the engineering, procurement, and ...

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Guyana Utility Scale Solar Photovoltaic Program , Guyana Power ...

The GUY SOL initiative, funded by the Guyana/Norway partnership with an estimated investment of US\$83.3 million, aims to diversify Guyana's energy mix. In 2024, the Program is set to ...

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[Guyana solar energy storage project bidding](#)

Georgetown, the capital of Guyana. Image: Amanderson2 / Flickr. Guyana, a country on South America's north coast, has issued an invitation for bids for energy storage projects with a ...

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Energy storage projects in guyana

June 23, 2022: Guyana is to develop eight utility-scale solar and battery storage projects in the South American country with investment financing worth around \$83 million, the ...

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Energy Investment Portfolio

The Gas-to-Energy project expected to be completed by 2025 will reduce the cost of electricity by as much as 50% and will support the creation of spin-of industries that will support further ...

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[GEA recorded major progress in 2023, advances ...](#)

GEA's energy progress has helped to address rising electricity demands and enhanced access to renewable energy supply across local ...

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[Guyana to pump \\$791.4M into key renewable energy initiatives](#)

TO accelerate Guyana's transition and solidify its role as a global leader in sustainable energy production, the country has outlined ambitious plans to invest \$791.4 ...

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Exxon Bets Big on Natural Gas in Its Eighth Guyana ...

ExxonMobil's Longtail project offshore Guyana will be the largest natural gas development in the Stabroek Block, targeting 1.5 billion cubic feet ...

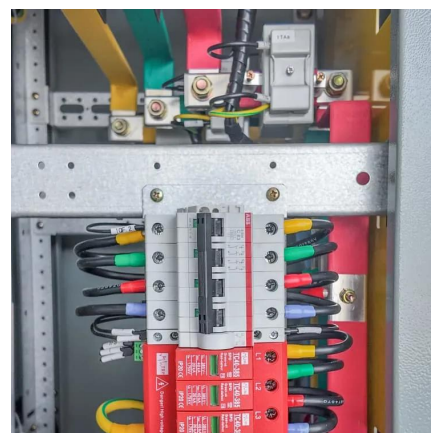
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CHAPTER THREE

Using natural gas as a bridge away from heavy fuel oil, followed by the Amaila Falls Hydropower Project and an expansion of solar, wind and biomass, Guyana will see a massive expansion of ...

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GUYANA'S

Overall, this investment will see Guyana undergo one of the world's most ambitious energy transitions and grow the economy up to five-fold, while keeping greenhouse gas emissions ...

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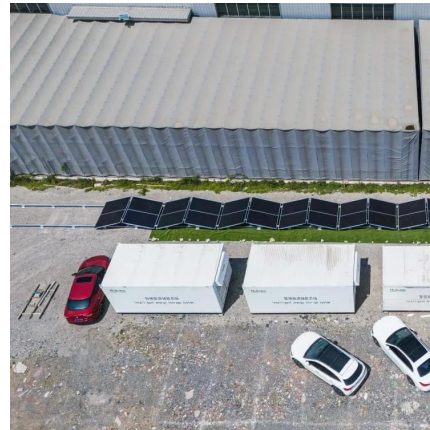




Guyana Approves \$51.2 Billion for Landmark Gas-to-Energy Project

Guyana approves \$51.2B for its gas-to-energy project, boosting power capacity, cutting costs, and driving economic growth.

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Guyana Launches Tender For Three Utility-Scale Solar PV Plants ...

Guyana invites bids for the construction of three utility-scale solar photovoltaic plants with battery energy storage systems, aimed at bolstering renewable energy capacity under the ...

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Guyana's Energy Transition

The GTE project, one of the most ambitious infrastructure undertakings in Guyana's history, aims to channel natural gas from ExxonMobil-operated offshore fields to an ...

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