



# Guyana New Energy Battery State-owned Enterprise

How many solar home energy systems are distributed in Guyana?

GEA supported the implementation of a massive electrification project to supply, deliver and distribute 30,000 Solar Home Energy Systems to Hinterland and riverine communities in Guyana. A total of 26,398 units were distributed as of December 2023.

What does the Guyana Energy Agency do?

The Guyana Energy Agency continues to support national efforts in transforming the country's sustainable low-carbon pathway and the energy sector as it contributes to providing cleaner, affordable energy access for all, as well as promoting energy efficiency and conservation practices. - END -

Does Guyana's power grid need to be modernized?

Guyana's power grid is in a severe state of disrepair and needs to be modernized. Approximately 26 percent of the power generated by GPL is lost due to inefficiencies in the grid.

How many solar farms are in Guyana?

Three electrical systems in Guyana--the Demerara-Berbice Interconnected System, the Essequibo System, and the Linden System--are served by GUYSOL's investment in eight solar farms totaling 33 MWp and 34 MWh of battery energy storage. Once completed and operational, the projects should prevent 75,277 tons of CO2 emissions.

How many EV charging stations are there in Guyana?

Six electric vehicle (EV) charging stations were installed for public use in Regions Three, Four and Six. This project marks the first publicly accessible charging infrastructure along Guyana's coast. (Office of the Prime Minister photo)

Does Guyana have a potential for hydropower?

Guyana has significant potential for hydropower, like its neighbor Suriname which has successfully developed hydro power programs. Renewable energy is viewed as a potential solution by the GoG to reduce the cost of power and provide reliable electricity.

Guyana's Public Utility (GPL) has initiated a tender for three utility-scale solar PV and battery storage projects, totaling 15 MWp of solar capacity and 22 MWh of storage. The tender, part of the Guyana Utility-Scale Solar Photovoltaic (GUYSOL) Programme, is funded through the Guyana-Norway Partnership

Solar PV with battery storage will be the main renewable energy resource on the regional grids. 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



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The Guyana Utility Scale Solar Photovoltaic Program (GUY SOL) is now seeking bids for engineering, procurement and construction (EPC) contracts for the eight solar PV projects and 34MWh of associated energy storage. Bids must be submitted by March 7, 2023.

At 22 off-grid locations, GEA installed over 163 kWp of solar PV capacity and 800 kWh of battery energy storage. The installations provided electricity to public and community buildings across Regions One, Two, Three, Four, Six, Seven, Nine and Ten within 20 communities Malborough, Siriki, Schepmoed, PlegtAnker, Baracara, Lighttown, Macushi ...

ICSID Convention and New York Convention. Guyana is a party to the International Centre for Settlement of Investment Disputes (ICSID Convention). Additionally, Guyana has ratified the Convention on the Recognition and Enforcement of Foreign Arbitral Awards (1958 New York Convention), which entered into force in December 2014. Investor-State Dispute Settlement. ...

Since 2015, a consortium of companies, including ExxonMobil and Hess, began to finance large energy projects that seek to tap into a projected 10 billion barrels of recoverable oil in Guyana.

o Guyana has promised to move toward 100% renewable energy. The new Gas to Energy plan will prevent a substantial increase in solar energy. o For less than the cost of the Gas to Energy project, solar energy can reach every Guyanese household. It will cost less to taxpayers, lower the cost of electricity to ratepayers, hire more Guyanese workers from local businesses and ...

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Guyana Power and Light has launched a tender for an EPC contractor to build three solar plants in Guyana with a combined 15 MWp capacity and 22 MWh of battery storage. Applications are due by...

Guyana has ten state-owned enterprises (SOEs) including: National Industrial and Commercial Investments Ltd. (NICIL), Guyana Sugar Corporation (GUY SUCO), MARDS Rice Complex Ltd., National Insurance Scheme (NIS), Guyana Power and Light (GPL), Guyana Rice Development Board (GRDB), Guyana National



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Newspapers Ltd.(GNNL), Guyana National Shipping ...

As digital technologies disrupt one sector after another, an increasing number of new energy enterprises are positively embracing digital transformation. However, it remains unclear whether digital transformation drives enterprise total factor productivity. To fill this gap, using a dataset of Chinese A-share listed new energy enterprises from 2009 to 2021, we ...

Even as Guyanese authorities accelerate oil production offshore, strategic steps are being taken to diversify the nation's energy mix. According to the Head of the Guyana Energy Agency (GEA), Dr. Mahender Sharma, Guyana is already hitting major milestones in replacing diesel with solar power through various projects country wide.

The challenge for potential investors evaluating renewable energy opportunities in Guyana is the current energy legislation, which allows the state-owned company Guyana Power and Light Inc (GPL), to have a monopoly over power generation. The absence of grid tie-in legislation to allow for the resale of power to the state-owned entity may affect ...

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Only Guyana Oil Company Limited, Guyana National Printers Limited, Guyana Sugar Corporation, and Guyana Power & Light (GPL) remain as major state-owned enterprises (SOE). The head of the Privatization Unit/National Industrial and Commercial Investments Limited also serves as Chairman of Guyana Power and Light. There is little GoG impetus for further privatization of ...

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