Grenada new innovations in solar energy

Grenada"s energy portfolio needs to secure safe, reliable, high-quality electricity at the lowest possible cost for all citizens. Our approach is to encourage energy efficiency and use proven renewable energy technologies prudently to help our nation prosper economically in an environmentally sound and sustainable way.

Grenada is targeting 100% renewable energy in electricity and transport sectors by 2030. Diesel accounts for the majority of Genlec"s generation, providing 50MW from 15 units. There is also 3.6MW of customer-sited solar PV alongside 1.1MW of Genlec-owned solar PV. The solar PV for this project will be distributed across three sites near the ...

increasing renewable energy generation in Grenada to help stabilise electricity prices and ensure all customers benefit. Through our investments in these technologies and our voluntary Customer Renewable Energy Interconnection Programme (2007), we multiply our impact.

Guided by an unwavering dedication to scaling renewable energy regionally and harmonizing regulatory standards, the USAID Energy Sector Reform project lends vital support to Grenada"s journey by providing strategic technical assistance to the Public Utilities Regulatory Commission (PURC) of Grenada.

Modern Electrical Solutions is a Grenadian company at the forefront of the renewable energy and sustainable cooling revolution, dedicated to leading the charge towards a greener, more energy-efficient future, setting new standards for innovation and positive environmental impact.

Grenlec recently finalised a contract for 937kW of solar photovoltaic (PV) renewable energy spread over 13 sites at an aggregate capital cost of more than EC$6.4 million. These new installations represent Grenlec"s single largest renewable energy project investment in Grenada to date.

Grenlec was awarded the "Best Distributed Generation Project" award for its recent multi-site solar photovoltaic installations in Grenada. The award was one of seven new Caribbean Renewable Energy Forum (CREF) Project Awards that recognise excellence in project execution in the Caribbean.

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The Government of Grenada has signed a pivotal Memorandum of Understanding (MoU) to develop a wave energy pilot project in collaboration with Seabased Ltd. and SIDS DOCK. This initiative underscores Grenada"s commitment to diversifying its energy portfolio and enhancing climate resilience through innovative renewable energy solutions.

The PURC launched its pilot SSIPP programme in 2021, allowing for investments in the renewable energy space. This programme sought greater penetration of green energy into Grenada"s national grid, which will be facilitated by the Grenada Electricity Services Limited (GRENLEC).

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