

St Vincent and Grenadines solar panel for home government scheme

This is the Energy Report Card (ERC) for 2022 for St. Vincent and the Grenadines. The ERC provides an overview of the energy sector performance, highlighting the following areas: o Installed Conventional and Renewable Power Generation Capacity o Annual Electricity Generation, from Conventional and Renewable Plants

A photovoltaic system will be added to the generation mix on Union Island in keeping with a mandate by the Government of St Vincent and the Grenadines (SVG) and St Vincent Electricity Services Limited (VINLEC) to increase the penetration of renewable energy in the production of electricity.

The Caribbean Development Bank has approved financing of \$8.6 million to St Vincent Electricity Services Ltd (Vinlec) for the supply and installation of solar photovoltaic (PV) systems at company buildings in the vicinity of the Argyle International Airport.

Saint Vincent and Grenadines receives high levels of solar irradiation (GHI) of 5.2 kWh/m²/day and specific yield 4.3 kWh/kWp/day indicating strong technical feasibility for solar in the country.³ In 2021, 26.67% of the country's power demand was met through renewable sources.⁴

The project sets a strong precedent for using renewable energy to drive down energy costs on the outer islands. Located on Union Island, the 600kW solar PV plant is connected to a 637 kilowatt-hour (kWh) lithium-ion battery, extending its generating capacity to supply all of Union Island's daytime power requirements.

On Thursday, December 10 the Bank's Board of Directors approved financing of US\$8.6 million to St. Vincent Electricity Services Ltd (VINLEC) for the supply and installation of solar photovoltaic (PV) systems at buildings owned by VINLEC in the vicinity of the Argyle International Airport.

The Commissioning of the Union Island Solar PV and Battery Energy Storage System on Monday 25th March 2019 has been hailed as a significant milestone in the energy sector of Saint Vincent and the Grenadines.

The Mayreau Microgrid Solar Project is in its final stage, which is the testing and commissioning of the solar photovoltaic (PV) and Battery Storage system. St. Vincent Electricity Services Limited (VINLEC) and the Rocky Mountain Institute - Carbon War Room (RMI-CWR) partnered on this initiative which introduced renewable energy for electricity ...

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