

SAINT VINCENT & THE GRENADINES



GREEN
CLIMATE
FUND

GLOBAL
PROGRAMMING
CONFERENCE

Project title

St. Vincent and the Grenadines Sustainable Energy Transition

Result areas

Energy access and power generation

Sector

Public

Total financing, USD

7,674,000

GCF financing, USD

7,152,000

Financial instrument

Grant

Description of specific climate change problem and how the project will address it

Description of specific climate change problem:-St. Vincent and the Grenadines (SVG) is a multi-island State subject to **high price volatile diesel fuel and High electricity prices** which results in the need for price reduction. 24% of total GHG emissions in SVG is from electricity generation The Government of SVG has set an **Energy transformation goal of 80% renewable energy generation by 2021.** and a target to **reduce nation – wide greenhouse gas (GHG) emissions by 22% by 2025**

How the project will address it?Through the Installation of 2.4 MW solar & 550 kWh energy storage in the island of Bequia, SVG can expect a reduction in the cost of electricity generation on the island by US\$0.13/kWh and a reduction of 60,000 tCO₂eq. In addition the project would seek to **build capacity and knowledge management** in the energy sector to ensure success and **sustainability** of the activity and encourage **replication**.

Alignment with key country priorities and stakeholders engaged

- This project is **aligned with SVG’s key mitigation priorities** to implement long-term sustainable energy solution and is responsive to (**NDCs 2015, NESDP 2013-2025, 2009 Energy Policy**). Additionally, **key stakeholders**, including (VINLEC, Energy Unit, NDA, government ministries, private sector institutions and community based organisations) have been and continues to be **engaged**.

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Activities

- Activity 1.1: Installation of grid-connected solar PV farm in Bequia.
- Activity 1.2 Installation of battery storage
- Activity 2.1 Technical training workshops and curricula on solar PV and storage
- Activity 2.2 Institutional capacity building
- Activity 2.3 Internship and mentoring

Expected outcomes

- **Reduction of GHG emissions** from the replacement of diesel fuel with 2.4 MW solar energy in Bequia and 550 kWh battery storage system
- **Improved technical capacity** on government institutions, VINLEC and private sector

Paradigm shift potential

Explain how the proposed project can catalyse impact beyond one-off investment, setting conditions for replication and/or scaling up the project results

- Innovation
- Contribution to the creation of an enabling environment
- Potential for scaling-up and replication