Early Warning System

GCF-FP060

Water Sector Resilience Nexus for Sustainability in Barbados

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Quick Facts

Countries	Barbados
Financial Institutions	Green Climate Fund (GCF)
Status	Proposed
Bank Risk Rating	B
Voting Date	2018-02-27
Borrower	Caribbean Community Climate Change Centre and The Barbados Water Authority (BWA)
Sectors	Climate and Environment, Water and Sanitation
Investment Amount (USD)	$ 27.61 million
Project Cost (USD)	$ 45.20 million

Project Description

According to the Green Climate Fund, the proposed project will cause a paradigm shift to make the Barbados society more aware of the water cycle and climate change impacts threatening the island's water supply.

The main objectives of the projects are to:

1. build greater resilience to extreme storm events and drought conditions by utilizing cleaner energy sources, decentralising water storage, promote rainwater harvesting at the household and community level, and improve the efficiency with which rainwater runoff replenish aquifers in Barbados. This will include the installation of a 2.0 MW Grid-tied solar plant.
2. further advance adaptation and mitigation initiatives in the water sector of Barbados by redirecting and mobilising local funds through a revolving adaptation fund.
3. reduce the greenhouse gas emissions intensity of water provision by integrating renewable energy with back-up natural gas turbines and sustainable Water Loss Reduction (WLR) initiatives. This includes the installing of 16 km of mains.
4. contribute to capacity building via knowledge sharing and lessons learnt platforms within communities, educational organizations, private sector, civil society, BWA and the Government of Barbados to manage and monitor water resources.
5. support the review and development of a legislative framework to supports climate smart development and water sector resilience.
6. collate and disseminate lessons learnt for use in developing further adaptation and mitigation initiatives and raising public awareness about climate change, water conservation, recycle and reuse, the revolving adaptation fund, Green Climate Fund and in general this project.

People Affected By This Project

According to the Green Climate Fund, the major beneficiaries are the population of Barbados, which in 2016 was estimated by World Bank to be 284,215 people.

The Green Climate Fund's documents say that the following points are potential impacts of the project:

1. reduced greenhouse gas emissions and the intensity of greenhouse gas emissions in the provision of water.
2. increased adaptation and mitigation actions by households and communities.
3. swift and immediate adaptation and mitigation actions by mobilising localised funds for climate action.
4. more reliable availability of potable water to the public (improved water and food security).
5. increased use of lessons learnt and climate information by communities, educational organizations, private sector, civil society, BWA and the Government of Barbados for sustainable solutions to climate change.
6. improved legislative environment that supports climate smart development and water sector resilience.
7. greater awareness about the effects of climate variability and change by the population of Barbados and the wider Caribbean.
8. scalable and replicable in other Caribbean Countries.

Investment Description

- Green Climate Fund (GCF)

The Barbados Water Authority (BWA) will provide US$17.6 million in co-financing.

Contact Information

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ACCESS TO INFORMATION

Requests for project information may be submitted using the IDP Request for Information by email to: disclosure@gcfund.org.

You can also submit an information request using this online form: https://www.greenclimate.fund/about/disclosure/form. Additionally, if information requested is denied, an appeal can be filed to the Information Appeals Panel: iap@gcfund.org. You can learn more about the Information Appeals Panel at: https://www.greenclimate.fund/about/disclosure/appeals.

ACCOUNTABILITY MECHANISM OF GREEN CLIMATE FUND

The Independent Redress Mechanism (IRM) addresses complaints by people who believe they are negatively affected or may be affected by projects or programmes funded by the Green Climate Fund (GCF). The complainant can raise issues related to any of GCF's policies and procedures, including those relating to social and environmental issues, indigenous peoples, gender, and information disclosure, among others. If you submit a complaint to the IRM, it may seek to address the issues raised by facilitating problem solving or conducting a compliance process. You can learn more about the Independent Redress Mechanism and how to file a complaint at https://irm.greenclimate.fund/.

You can access a video about the IRM (English) at: https://youtu.be/1LanbriVhfs.

A brochure about the IRM can be accessed in English, French, Spanish, Portuguese, Arabic, Mandarin, Mongolian, Vietnamese, Russian, Ukrainian, Korean, German, and Kiswahili at: https://irm.greenclimate.fund/.

Bank Documents

- Environmental and Social Assessment