

To extend the availability of reliable and safe potable water to the rural areas of Carriacou – Phase II Grenada

THE PROJECT

It will be increased the capacity of the Carriacou reverse osmosis desalination plant, (SWRO), installed in the first phase of the project. An additional 4,000 people will have access to clean water. The capacity of the plant will be increased thanks to the construction of a new well connected to the SWRO plant. A water distribution system will also be built, connected to the SWRO plant, which will reach the northern territories of the island.

BACKGROUND

Until 2016, the island of Carriacou had no source of drinking water supply, both domestic and industrial. In fact, there are no lakes or streams capable of supplying a quantity of fresh water capable of satisfying the population needs. The installation of a reverse osmosis desalination system powered by solar panels can tangibly alleviate the problem of the local population with minimal environmental impact, due to the use of sustainable energy sources.

OBJECTIVE

Increased availability of fresh water and resilience to drought periods.

PLANNED ACTIVITIES

- Design of the water distribution system in the north of the island; feasibility study for the construction of the well; assessment of Environmental and Social Impact; water quality tests at the water inlet and outlet sites in the SWRO plant.
- Tender for the acquisition of the material.
- Installation of the water distribution system with connection to the domestic houses in the north of the island and the beach well.

SUBJECTS

Promoters:

- Ministry of the Environment and Energy Security (MASE)
- Permanent Representation of Grenada to the United Nations

Actuators:

The Caribbean Community Climate Change Center, (CCCCC)

CONTRIBUTION TO

➡ [NDC Grenada:](#)

- Promotion of fair and sustainable use of the island's water resources.
- Reduction of greenhouse gas emissions by 30% within 2025, and by 40% within 2030, according to the *Business as Usual* scenario, (BAU).

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[2030 Agenda:](#) Goal 6 - Clean water and sanitation; Goal 7 – Sustainable energy. Goal 13 – Actions for climate.

DURATION

12 months

(Project not started yet, dates to be defined)

TOTAL COST OF THE INITIATIVE

\$ 600,000

Lender: MASE

Other lenders: ---

OUTPUT

- Well connected to the built SWRO plant.
- Water distribution system in the northern area in operation.