



APRIL 2025

G-CREWS UPDATES

NEWSLETTER, ISSUE 2

CHAIRMAN, NAWASA BOARD OF DIRECTORS MR. PHILLIP ALEXANDER

"It [the Tufton Hall water storage tank] reflects our proactive approach to meeting the growing demand of our people and building a more resilient national water system."

PERMANENT SECRETARY, MINISTRY OF PUBLIC UTILITIES MR. ALVA BROWNE

"This project reaffirms our commitment to ensuring that no community in Grenada is left without access to clean and reliable water."



TUFTON HALL WATER STORAGE TANK COMMISSIONED

The National Water and Sewerage Authority (NAWASA) commissioned the Tufton Hall Water Storage Tank in St. Mark on Wednesday, February 5th, 2025.

The 360,000-gallon storage tank will benefit 1,500 households across the parishes of St. Mark and St. John.

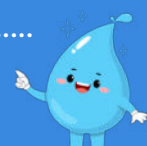
Constructed to the tune of XCD\$2.6 million, under the Climate-Resilient Water Sector in Grenada (G-CREWS) project, the tank is the first of eight water storage systems. The new system will provide an additional 3 - 4 days' supply of water to residents during times of emergency.

Government officials, community leaders, and international partners all gathered to witness the momentous occasion.

WHAT'S INSIDE?

- Construction on 3 more water storage tanks on schedule
- Grenada's water resources are now managed by a Water Resource Management Unit
- 70 farmers begin to receive irrigation & micro sprinkler equipment
- 13 females graduate from plumbing training

And much more.....
Enjoy a read!



HIGHLIGHTS FROM THE TUFTON HALL WATER STORAGE TANK COMMISSIONING CEREMONY HELD IN ST. MARK - 5TH FEBRUARY 2025



Head of Project for GIZ, G-CREWS Ms. Marion Geiss, emphasized the significance of the project towards increasing the resilience of Grenada's water sector in the face of climate change impacts.

"This tank is not just a piece of infrastructure; it is a symbol of our collective responsibility to protect and manage our water resources wisely for future generations," she said.

Ms. Geiss also urged citizens to become water champions all year round, "We must all do our part to conserve water, especially in times of plenty, to ensure that there is enough to go around in times of scarcity."



Ms. Marion Geiss
Head of Project GIZ,
G-CREWS

Parliamentary Representative for St. Mark, Dr. Clarice Modeste-Curwen praised NAWASA, the project, and its partners for making the first of several tanks a reality.

Dr. Modeste further encouraged all citizens to adopt water conservation practices. “We must look at how we can harness rainwater more effectively. It can be that additional supply of water when the piped water is out.”, she said.

The 7-year G-CREWS project is funded by the Green Climate Fund (GCF), the German Federal Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection (BMUV) under its International Climate Initiative (IKI) and the Government of Grenada.



**Dr. Clarice Modeste-Curwen
Parliamentary Representative for
St. Mark addressing the gathering**



**Acting General Manager of NAWASA
Mr. Terrence Smith in discussion with
Government officials and Chairman of
NAWASA's Board about the tank**

2nd water storage tank completed; Construction on 3rd and 4th tank begins

In less than 2 months from today another water storage tank is expected to be commissioned.

A 500,000 gallons water storage tank located at Mirabeau, St. Andrew is the second tank to be constructed under the G-CREWS project.

The tank works coincide with the laying of several kilometres of pipes from Mirabeau to Tivoli in St. Andrew, which will enhance the supply of drinking water to these communities.

Meanwhile, in the parish of St. Patrick, a third water storage tank along with pipelaying works are ongoing. This tank is located in the community of Peggyswhim.

At the same time, construction works on a fourth tank located at Morne Rouge, St. George has begun.



**Water storage tank located at
Mirabeau, St. Andrew**



**Civil works ongoing at water
storage tank site in Morne
Rouge, St. George**



Supported by:
 Federal Ministry
for the Environment, Nature Conservation,
Nuclear Safety and Consumer Protection

based on a decision of
the German Bundestag



Implemented by
giz Deutsche Gesellschaft
für Internationale
Zusammenarbeit (GIZ) GmbH



In a nutshell – The Water Resource Management Unit (WRMU)



The Water Resource Management Units' main task is....

- to ensure our water needs are sustainably balanced without negatively impacting Grenada's water environment and ecosystem.

How is the WRMU doing this?

- The Unit will evaluate the quantity, quality and availability of water and its current use.
- With all stakeholders together, the Unit will draft a master plan on how to equitably distribute and protect the water resource.
- The Unit will initiate and provide guidance on watershed management for better water conservation and constant good water quality.
- The Unit will ensure that rivers stay clean.
- The Unit will monitor how much water is taken out of a water source, through the issuing of an abstraction license.

Why is the WRMU so important for the people of Grenada?

- Climate change puts pressure on the national water resources and thus better management is needed from a governing body and **NOT** from key abstractors.

How is WRMU different from NAWASA?

- The WRMU will be responsible for the protection of the water resources while NAWASA continues to have responsibility for the supply of potable water and sewerage services to consumers in the State of Grenada.

Who is the Unit accountable to?

- The Public Utilities Regulatory Commission (PURC) Grenada will have Regulatory Oversight of the Water Resources Management Unit.

Stay informed about the Water Resource Management Unit!

Water security is national security!

MANAGEMENT OF WATER RESOURCES TO BE OVERSEEN BY A UNIT

Grenada's water resources will soon be managed by an established unit called the 'Water Resources Management Unit (WRMU)'.

This unit comes into effect as a result of the passing of the [Water Resources Management and Regulation Bill, 2025](#).

Discussed and approved in the Grenada Parliament, the Bill officially became an Act after being assented to by Her Excellency the Governor General.

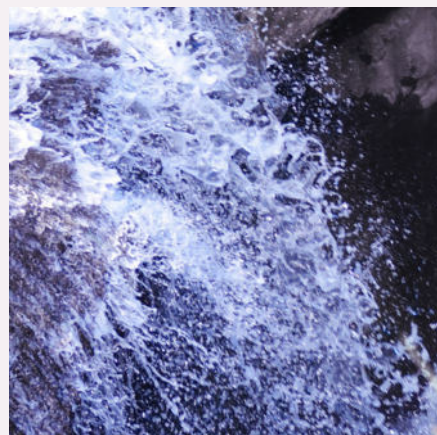
The Act came into [force on 12th March 2025](#) by way of a commencement order signed by Prime Minister and Minister of Public Utilities Honourable Dickon Mitchell and published in the Government Gazette.

The Act seeks to provide sustainable water management, conservation, controlled allocation, development, use and regulation of water resources within the State of Grenada.

The establishment of the Unit is one of several activities under the G-CREWS project whose objective is building climate resilience within the water sector in Grenada. Specifically, it is part of improving the overall governance of the water sector.

Additionally, the creation of the Unit is in line with Grenada's "National Water Policy (2020)", the "National Climate Change Adaptation Plan (2017)" and the "Grenada Integrated Water Resources Management Plan (2019)".

The Public Utilities Regulatory Authority (PURC) will have Regulatory Oversight of the Water Resources Management Unit.



A 23

2025 *Water Resources Management and Regulation Act (Commencement) Order* SRO. 7

GRENADA

STATUTORY RULES AND ORDERS NO. 7 OF 2025

THE MINISTER IN EXERCISE OF THE POWERS CONFERRED ON HIM PURSUANT TO SECTION 1(2) OF THE WATER RESOURCES MANAGEMENT AND REGULATION ACT NO. 1 OF 2025, HEREBY MAKES THE FOLLOWING ORDER—

(Gazetted 12th March, 2025).

1. Citation. This Order may be cited as the
WATER RESOURCES MANAGEMENT AND REGULATION ACT (COMMENCEMENT) ORDER, 2025.

2. Commencement. The Water Resources Management and Regulation Act, No. 1 of 2025 shall come into force on the 12th day of March 2025.

Made by the Minister this 12th day of March, 2025.

DICKON MITCHELL
Minister responsible for Public Utilities.

EXTENSION OFFICERS AND FARMERS BENEFIT FROM TRAINING IN THE IMPLEMENTATION OF IRRIGATION EQUIPMENT

Installers, farmers and extension officers received training in the proper installation of irrigation equipment as part of activities to improve their ability to handle climate change impacts on the agriculture sector.

Through the Climate-Resilient Water Sector in Grenada (G-CREWS) project, and its Challenge Fund for Agriculture (CFA), farmers were equipped with the necessary tools and resources for the installation of rainwater harvesting and drip or micro-sprinkler irrigation systems.

Farmers are receiving 100% funding for irrigation equipment and materials to support sustainable agricultural practices.

The sessions were held in the month of February over a 2-day period on the plots of 2 farmers - one in St. Andrew and the other in St. Patrick. Facilitating the sessions was Dr. Giorgio Vecco, GFA Irrigation Consultant.

The G-CREWS Project is jointly financed by the Green Climate Fund (GCF) and the German Federal Ministry for the Environment, Nature Conservation, Nuclear Safety and Consumer Protection (BMUV) under its International Climate Initiative (IKI), and the Government of Grenada.

HIGHLIGHTS FROM THE TRAINING SESSIONS



DRIP IRRIGATION & MICRO SPRINKLERS ARE CLIMATE RESILIENT FARMING DEVICES

Drip irrigation and Micro-sprinkler systems are devices that ensure plants receive their adequate supply of water to achieve higher crop yield without wasting water. Thus, making them the most effective climate resilient devices used within the agriculture sector.

Drip irrigation works by delivering both water and nutrients across the field in pipes called 'driplines' featuring small units known as 'drippers'.

Each dripper emits drops containing water and fertilizer resulting in the uniform application of water and nutrients directly to each plant's root zone, across an entire field.

A typical drip irrigation system consists of: main and submain lines, filters, laterals, emitters or drippers.



FARMERS RECIEVE IRRIGATION EQUIPMENT UNDER G-CREWS CFA



Farmers have begun to receive their drip and micro-sprinkler irrigation equipment under the Challenge Fund for Agriculture (CFA). Disbursed through the Grenada Development Bank (GDB) as part of activities under the Climate Resilient Water Sector in Grenada (G-CREWS) project.

The CFA promotes efficient water conservation practices within the agriculture sector. This is the first phase of a two-part procurement process which will benefit 80 farmers. Lot 1 of the irrigation equipment is valued at approximately XCD \$700,000.

Speaking on behalf of the beneficiaries, farmer Mrs. Anichel Thomas said, "This isn't just about farms, it is about bettering lives."

Minister of Agriculture and Lands, Honourable Lennox Andrews said "the CFA is closely aligned with two (2) of the Ministry's strategic priorities for the period 2025 - 2027 which speaks to promoting sustainable use of our natural resources and improving food and nutrition security."

At the time of this publication, approximately 40 farmers received their equipment.

BREAKING BARRIERS: GRENCASE/G-CREWS PLUMBING COURSE GRADUATES 13 FEMALES



24 participants, including 13 women can now install a rainwater harvesting system, having proudly graduated from the GRENCASE/G-CREWS 10-week introductory plumbing course. The participants were taught skills in basic plumbing, rainwater harvesting systems, water-efficient devices, leakage control, and health and safety protocols.

Designed to empower women, persons with disabilities, underemployed and unemployed individuals from St. Andrew and St. Patrick, this free course aimed to expand opportunities in a field traditionally dominated by men.

A Memorandum of Understanding (MOU) signed between GRENCASE and GIZ, reflected a strong commitment from the two (2) organizations towards building local capacity. At the graduation ceremony, Honourable Dennis Cornwall, Minister of Finance and Parliamentary Representative for St. Patrick East, called the program an investment in Grenada's future.

G-CREWS Project Manager, Mr. Brian Bonaparte at the time encouraged graduates to turn their training into meaningful employment, while NAWASA's Communications Supervisor Ms. Jamila Lewis praised their achievements, urging them to aim higher.

Top graduates Kera O'Farel and Donavan Burke were awarded plumbing starter kits to kickstart their careers.

NON-REVENUE WATER UNIT ESTABLISHED TO TACKLE WATER LOSS IN NAWASA'S MAIN PIPES



The launch of the Non-revenue water (NRW) unit signals a major milestone for both NAWASA and the G-CREWS project. In 2023, NAWASA lost an estimated 26% of its total water production— estimated at 2 million gallons— due to leaks in the system. Non-revenue water is the water that is loss in the system before it reaches the meters of customers. This loss not only impacts NAWASA's finances but also the water available to the customers.

Permanent Secretary in the Ministry of Infrastructure and Public Utilities Mr. Alva Browne congratulated both NAWASA and the G-CREWS project on this milestone. In officially opening the unit, PS Brown said NAWASA is paving the way where every drop counts.

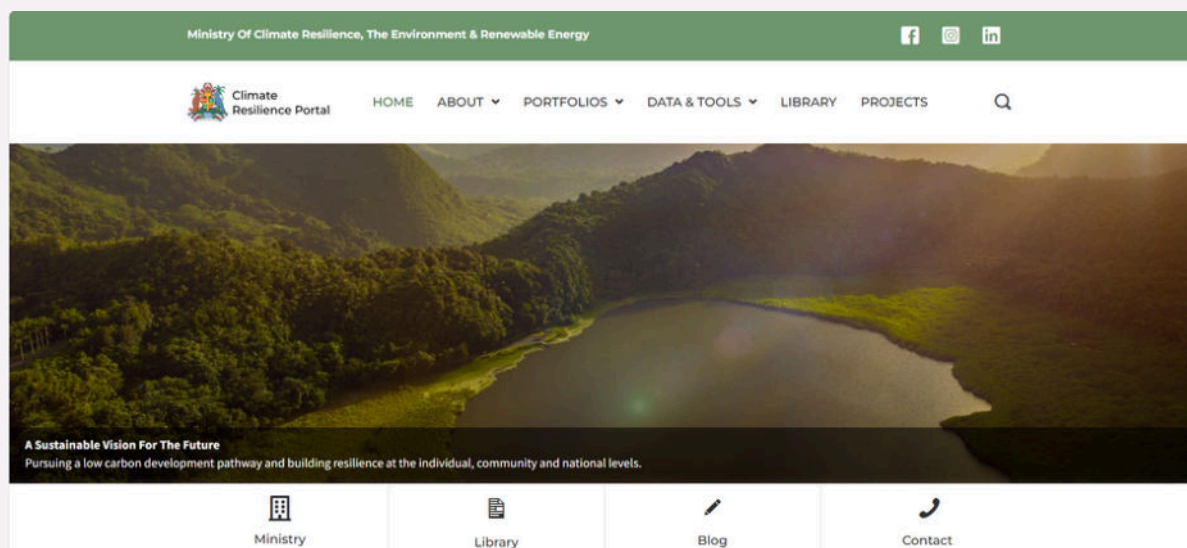
Chairman of NAWASA's Board of Directors Mr. Phillip Alexander said: "The fact that we are now able to manage it means we can address it and by doing so we would have done a great service to the people of Grenada".

Head of Project, GIZ Ms. Marion Geiss said "addressing these leaks is crucial, as they not only waste precious water but also lead to higher operational costs and reduced service quality."

Hydraulics Engineer and Head of the unit Mr. Barbaro Sanchez is confident that addressing non-revenue water can make a significant dent in curbing NAWASA's water loss along its distribution lines.

With a clear strategy, innovative technology through the use of Geographic Information System (GIS) mapping and a team of dedicated experts, NAWASA is aiming to reduce its water loss in the coming years.

GRENADA LAUNCHES CLIMATE RESILIENCE PORTAL: A ONE-STOP HUB FOR CLIMATE ACTION



A major step forward in Grenada's climate resilience efforts has arrived, the launch of the Climate Resilience Web Portal (climateresilience.gov.gd).

This innovative platform serves as a centralized hub for climate-related projects, research, and funding opportunities.

The launch brought together key stakeholders, including Ms. Peron Johnson, Permanent Secretary for the Ministry of Climate Resilience, Renewable Energy, and the Environment; Web developer Mr. Kendell Daniel, representatives from the Ministry of Climate Resilience along with the GIZ team. Following which, attendees received an in-depth training on the portal's core functionalities, interactive features, and extensive database designed to enhance accessibility and collaboration.

The Climate Resilience Portal builds upon its predecessor, climatefinance.gov.gd, with expanded capabilities aimed at streamlining access to critical climate change project information. The ultimate objective is to have all climate projects active in Grenada contribute to its expansion and upkeep ensuring all climate information is readily available by clicking on one link.

The platform empowers researchers, policymakers, and project developers across the Caribbean by providing essential resources, including project databases, guidance on funding sources, case studies and best practices, key policy documents, research materials and more.

This portal supports more effective project development and financing strategies, fostering a more climate-resilient future for Grenada and the wider Caribbean region.

The portal can be accessed via www.climateresilience.gov.gd. Contributions can be made via email to: aopersonnel@cre.gov.gd.

Reminders

With the dry season upon us, the G-CREWS project is reminding you to consider investing in water storage.

Invest in a tank that can provide you with adequate water supply in the event of an emergency. Choose a size that can adequately meet your family size.

HAVE ENOUGH WATER STORAGE?

G-CREWS
Climate-Resilient Water Sector in Grenada

Logos: Grenada Coat of Arms, Green Climate Fund, Ministry of the Environment, Natural Resources, Planning, Safety and Consumer Protection, IKI, giz, NAWASA.

Three black water storage tanks are shown with the following specifications:

- 450 GALLONS**
FAMILY OF 3
- 800 GALLONS**
FAMILY OF 5
- 1000 GALLONS**
FAMILY OF 7

Smart Water Habits = A Better Future

Logos: Grenada Coat of Arms, Green Climate Fund, Ministry of the Environment, Natural Resources, Planning, Safety and Consumer Protection, IKI, giz, NAWASA.

- Reuse water used for boiling and washing foods to water your garden** (Illustration: watering can)
- Use the appropriate size pan for cooking to reduce water wastage** (Illustration: red cooking pot)
- Defrost frozen foods in the refrigerator instead of running water** (Illustration: refrigerator)
- Turn off the taps when not in use** (Illustration: hand turning a tap handle)
- Use a cup of water for brushing teeth instead of a running tap** (Illustration: person brushing teeth)

G-CREWS



Conserving Water in the Dry season



Only water your garden during the cool hours of the day – early morning or late evening.



Use a broom instead of a hose to clean verandahs, sidewalks and driveways.



Check for leaks in your toilets, kitchen, sinks, swimming pool, hose and sprinkler system.



Wash full loads of laundry.



Store water in buckets, barrels or tanks.



Use a bucket to clean your vehicle instead of a running hose.

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G-CREWS
Climate-Resilient
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For more updates on the G-CREWS project, message us via social media @GCREWS473

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SCAN ME

