



INFRASTRUCTURE

MINISTRY OF PUBLIC WORKS

Water and Sewerage Corporation

Project Summary

1. Background

Hurricane Dorian impacted the northern Bahamas between 1st to 3rd September which brought major damage to The Bahamas Water and Sewerage Corporation's (WSC) infrastructure and assets. The water supply of The Bahamas is managed by the central Government on New Providence, WSC is a wholly owned government organization. This project summary focuses on the damaged impacting WSC's water distribution systems on Abaco and Sweeting's Cay, Grand Bahama. The majority of Grand Bahama's water supply, with the exception of Sweeting's Cay, is managed and operated by the Grand Bahama Utility Company.

A comprehensive technical assessment post-landfall revealed significant damage to all of WSC's water pumping stations and infrastructure on the Abaco mainland thus affecting distribution of water to households. The Water and Sewerage Corporation The following supply zones were all adversely impacted: Sandy Point, Crossing Rocks, Casuarinas, Marsh Harbour, Treasure Cay, Black Wood, Cedar Harbor and the surrounding cays namely - Green Turtle Cay, Grand Cay, Moore's Island and Sweetings Cay.

The restoration of the water and sewerage system is a critical step to restoring Abaco's economy and proper function of households on Abaco.

2. Vision for Resilient Reconstruction of Abaco Distribution Systems

Resilient reconstruction efforts for WSC focuses on building back better water and sewerage infrastructure, improving the efficiency and reliability of water supply and distribution systems. Long-term development of water and sewerage systems will incorporate Automated Metering Infrastructure (AMI). AMI uses smart meter reading systems that offer environmental protection in addition to reduced operating costs among other advantages. As the Corporation builds back better, the aim is to build infrastructure to withstand future natural disasters.

PROJECT 1: Restoring Abaco's Distribution Systems

AMOUNT: \$7,523,939.46

Since the passage of Hurricane Dorian, Water and Sewerage has since assessed its damage and have outlined the work scope needed to restore Abaco's Sewerage Distribution Systems.

Works to be completed include:

- Site Clearance
- Chlorination
- Desalination
- Distribution System Improvements
- Fleet & Heavy Plant
- Generators
- Green Turtle Cay Underwater Line
- Replacement of IT equipment
- Sewerage Rehabilitation
- Solar Equipment
- Storage Tanks
- Trailers

PROJECT 2. PRELIMINARY ESTIMATES FOR CONTRACTS TO BE AWARDED

AMOUNT: \$15 Million

TOTAL BUDGET OF TWO (2) COMPONENTS \$22,523,939.46 Million