

## Integrated Water Resources Management (IWRM) Projects and Initiatives in the Caribbean

**Title:** Water & Sanitation Upgrade Project

**Organisation:** Barbados Water Authority (BWA)

**Aims and Objectives:**

The goal of the project is to improve water resources management in Barbados and sustainable water and wastewater service provision by the Barbados Water Authority (BWA). Specifically, the Project will support the Government of Barbados' efforts to modernize the institutional setting of the water and sanitation sector and improve water production infrastructure and the efficiency of the operations of the BWA

The project is comprised of the following three major components.

- Component 1: Reorganization and modernization of the BWA (US\$6.4 million)
- Component 2: Rehabilitation of potable water supply (US\$35.6 million)
- Component 3: Wastewater treatment action plan and upgrades (US\$3.45 million)

**Duration:** Start Year: 2011 Completion Year: 2016

**Additional Comments:**

**Estimated Cost (USD):** \$55 million

**Funding Source:** Inter-American Development Bank (IDB) Loan

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**Key Words:** Water Supply; Wastewater Reuse; Non-revenue water; Sanitation; Rehabilitation

**Geographic Coverage:** Barbados

**Sectoral Focus:** Water Supply

**Target Beneficiaries:** Water Supply Customers, General Public

**Outputs:**

Component 1: Reorganization and modernization of the BWA (US\$6.4 million):

1. The preparation of a long-term business plan
2. Integration of IT systems
3. Installation of the Customer Information System (CIS) and subsequent training
4. Preparation of a public awareness campaign
5. Installation of Management Information Systems (MIS)

Component 2: Rehabilitation of potable water supply (US\$35.6 million):

1. Non-Revenue Water (NRW) reduction
2. Equipment upgrades and energy efficient alternatives, including renewable energy.

Component 3: Wastewater treatment action plan and upgrades (US\$3.45 million):

1. A wastewater reuse master plan
2. Environmental Impact Assessment (EIA) of wastewater reuse for aquifer recharge
3. A study of the viability of wastewater reuse in the context of tariff setting and subsidies
4. The South Coast Sewerage System improvement program

**Project Links and References:** [http://barbadoswaterauthority.com/?page\\_id=652](http://barbadoswaterauthority.com/?page_id=652)

**Impacts:**

Information not available

**Sustainability:**

Information not available

**Lessons for the Future:**

Information not available

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Global Water Partnership-Caribbean IWRM Projects and Initiatives Database

**Opportunities Arising from the Project:**

Information not available

**Further Comments:**

Information not available