

 Early Warning System

ADB-49001-002

Urban Water Supply and Wastewater Management Investment Program



Quick Facts

Countries	Fiji
Financial Institutions	Asian Development Bank (ADB)
Status	Active
Bank Risk Rating	B
Voting Date	2016-12-09
Borrower	Government of Fiji
Sectors	Water and Sanitation
Investment Type(s)	Loan
Investment Amount (USD)	\$ 153.20 million
Project Cost (USD)	\$ 405.10 million



Project Description

The impact of the proposed investment program will ensure future growth in the greater Suva area (GSA) is sustainable and will improve public health. The outcome will be improved access to sustainable water supply and sewerage services in the GSA. The investment program has three outputs:

Output 1: Supply and access to safe water in the GSA improved. The investment will expand water supply by 40,000 m³ per day by constructing a new supply intake on the Rewa river with associated water treatment plant, pumping station, reservoir, and transmission main to connect to the existing system. Reliable and sustainable long term operations and maintenance practices will be enhanced through a Design-Build-Operate (DBO) contracting arrangement. A catchment management plan will be developed to safeguard the water source and ensure long term sustainability. Non-revenue water (NRW) reduction will be achieved by improving leak detection and repairs; replacing meters; and establishing district metering areas and pressure management systems. Water Authority of Fiji (WAF) will supply 200 liters per capital per day to 315,947 persons by 2023, ensuring continuous supply to 98% of the GSA population. The climate change component of Output 1 will include adaptation measures for building the new Rewa river scheme specifically moving the facility from 29 km to 49 km from the river mouth to avoid future climate change impacts embodied in projected rising sea levels and potential migration of the salt water wedge up the river.

Output 2: Wastewater treatment (WWT) and management capacity in the GSA increased. The wastewater network will be rehabilitated and expanded by: (i) upgrading 31 existing wastewater pumping stations; (ii) upgrading about 18 km of wastewater trunk mains to increase carrying capacity; (iii) relining 13 km of wastewater trunk mains; and (iv) extending the wastewater network to service an additional 15% of households (approximately 4,500 existing lots in backlog areas) currently using on site septic tanks. Additionally, the WWT capacity at Kinoya will be expanded by 164% to cover approximately 277,000 person equivalent to treat wastewater from current and future households. By improving the network and expanding the WWT capacity, WAF will ensure that 60% of households in the GSA will have access to a reticulated sewage collection system by 2023. The remaining households with individual septic units will be catered by a fecal sludge management system.

Output 3: WAF management and sustainable service delivery capacity improved. Program management and capacity development support will be provided to: (i) support WAF in the implementation of water demand management, NRW reduction and the national liquid trade waste management programs; (ii) support the Department of Environment (DOE) developing the environmental regulatory framework for treated municipal wastewater discharge, sludge treatment and disposal practices and standards, and associated monitoring and enforcement; (iii) complete the corporatization of WAF; (iv) formulate water safety plans to protect the quantity and quality of water at all source intakes; (v) improve financial management; (vi) promote gender equity; and (vii) study alternatives to reduce the long term energy consumption of the existing urban WWT system.

PROJECT RATIONALE AND LINKAGE TO COUNTRY/REGIONAL STRATEGY

Fiji has a population of approximately 868,000, of which 53% is urban. By 2030, it is estimated that two in three Fijians will be living in the country's urban centres. While poverty rates in Fiji are highest in rural areas, the rapid growth of peri-urban squatter settlements implies that the majority of poor people in Fiji now live in and around urban areas. Fiji's urban sector accounts for 60% of the country's gross domestic product, with the share of the GSA estimated at 40%. The GSA, which consists of Suva City the national capital as well as the towns of Lami, Nasinu, and Nausori and their surrounding peri-urban areas, accounts for 57% of Fiji's urban population. By 2023, the population of the GSA is expected to grow by 12.8%.

Despite the economic importance of the country's cities and towns, investment in urban water supply and sewerage services has not kept pace with the demands of rapid urban growth. In the GSA, WAF's treated water production capacity is insufficient to meet customer demands and there is strong dependence on a single river source that is increasingly vulnerable to drought.



Investment Description

- Asian Development Bank (ADB)

Co-financing

Green Climate Fund US\$ 31.04 million

European Investment Bank US\$ 70.80 million

Government of Fiji US\$ \$150.1 million



Contact Information

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ACCOUNTABILITY MECHANISM OF ADB

The Accountability Mechanism is an independent complaint mechanism and fact-finding body for people who believe they are likely to be, or have been, adversely affected by an Asian Development Bank-financed project. If you submit a complaint to the Accountability Mechanism, they may investigate to assess whether the Asian Development Bank is following its own policies and procedures for preventing harm to people or the environment. You can learn more about the Accountability Mechanism and how to file a complaint at: <http://www.adb.org/site/accountability-mechanism/main>



Bank Documents

- [Facility Administration Manual](#)
- [Gender Action Plan](#)
- [Project Disclosure PDF](#)
- [Report and Recommendation of the President](#)
- [Urban Water Supply and Wastewater Management Project: Initial Poverty and Social Analysis](#) [Original Source]



Other Related Projects

- EIB-20150217 FIJI WATER AND WASTEWATER PROJECT
- ADB-49001-001 Project Design Advance Urban Water Supply and Wastewater Management Project