



Managing Honiara City Water Supply and Reducing Pollution via IWRM

Progress Snapshot

Project Objective

To promote best water management strategies and protection measures for Honiara city water resources to ensure there is sustainable reliable water supply and wastewater services in the Honiara City.



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Water Use Efficiency and Water Safety

✓ Increase in land protected and/or rehabilitated over the catchment

In early 2012 the IWRM Project worked with the water provider (SIWA) to implement Water Use Efficiency at one its highest leakage zones in Honiara, Mbokonavera 1-4 residential area. Using past reports a leakage detection program was planned and completed. Funds were allocated to SIWA for this activity.



Rence Sote
IWRM Focal Point
Permanent Secretary,
Ministry of Mines, Energy &
Rural Electrification

Two night flow step tests confirmed very high leakages in both distribution and service lines within the zones under consideration. A total of 414 connections were identified and confirmed in the project area. Only 33% of the connections were found to have operational water meters while the remaining 67% are suspicious; 21% buried or unidentified, 22% are direct lines, 15% disconnected, 4% vacant and 4% are illegal connections.

It was found that out of 8 zones that were isolated with valves, three priority areas have leakages of more than 100 litres per minute. Most house connections now have valves replaced before each meter prior to the step tests. A pipe replacement activity has is now underway.

✓ Capacity training with new and current SIWA staff

IWA has a staff shortage and new recruits are made over the past year. A Leakage Detection Team is now established and on-going capacity is part of the project's intervention. Upcoming project activities at additional areas are anticipated with qualified work completion in this area.

Honiara Project Steering Committee

- George Titiulu
- Douglas Yee
- Ray Anderson
- Josephine Teakani
- Edward Danitofea
- Jimmy Damusaru
- Watson Puiahi
- Terence Titiulu
- Jack Filiomea
- Dickson Manongi
- Peter Pukuvati
- Primo
- Isaac Lekelalu
- Richard Maehaka
- Jimmy Saelea



SIWA staff carrying out day and night leakage tests

Process

✓ Multi-sectorial APEX body in place

Cabinet endorsed the IWRM Demonstration Project for Honiara City in late 2009 with a cabinet decision to implement over 5 years. This resulted in the approval by government of financial support during this period and the establishment of the Project Steering Committee comprising 15 members from government, civil society, landowners and an NGO. The Project Steering Committee (PSC) during the course of the project further established its sub-committees to oversee specific activities. A catchment assessment sub-committee and a water safety sub-committee were members of the PSC.

✓ National Strategy in place

The National Water Outlook, 2011 is the result of discussions and endorsement by the interim National Inter-sectorial Water Coordinating Committee, developed over a three-month period assignment by an IWRM Masters Intern.

✓ Increased sectors actively engaged in formal multilateral communication on water issues

With the IWRM project realized, the Kovi/Kongulai Community Group (KKCG) was established with 15 members, two of which are with the Project Steering Committee (PSC). The KKCG represents the Kovi/Kongulai water catchment which is the focus of the project. Up to 2011 most of the Kovi/Kongulai catchment surveys were completed and resulted in data and information about the catchment being disseminated through community awareness.

✓ Increased proportion of the community engaged in water issues

The community supported the project through involvement in field surveys and hydrological monitoring activities. Community interest was strengthened by assisting understanding of catchment conservation with an understanding eco-tourism business; to protect the catchment for the sake of water resources and at the same time generating income by promoting nature's beauty.

Awareness information for water consumers was distributed SIWA and to stakeholders during important national and international events. The on-going dissemination of information on the importance of water sources, water use efficiency, demand management and water safety were part of mass media project campaigns.

✓ Formulation of a Water Safety Plan

Systems description and hazards & risks assessments have been completed for all water sources. This is in order to formulate a Water Safety Plan for approval by the Honiara Project Steering Committee to put before SIWA and the Environmental Health Division for endorsement,



Members of the IWRM (Honiara City) Project Steering Committee



A meeting of interim NIWCC



Kovi/Kongulai Community Group members.