

Pacific Adaptation to Climate Change

NAURU

Multipartite Review Meeting

Apia, Samoa.

10th–14thMay 2010

- Summary of Overall Progress for Year 2009
- Mainstreaming
- Pilot Demonstration
- Capacity Gaps and Needs, Technical Support
- Monitoring and Evaluation
- Co –financing

Summary of Overall Progress

- “Piloting Climate Change Adaptation in Water Resources Management” is the thematic area as the proposed intervention for Nauru’s adaptation to Climate Change
- Signing of the PACC Manager and the PACC Coordinator in July 2009.
- Office establishment and the combining of the two projects, IWRM and PACC to address the water and sanitation in Nauru creating the Water Unit under the Ministry of Commerce, Industry and Environment.

- The inception workshop took place on the 13th and 14th of August 2009. From the workshop, priorities were identified.
- Rainwater Harvesting and Storage was the main concern from the stakeholders.
- Two districts of Aiwo and Denig making up 45% of the island population according to the statistics department utilizing majority of water that is distributed by the Utilities water dispatch.
- 2 Districts have very limited or no access to useable groundwater
- Pre Assessment of a water use survey -Other water projects gaps not addressing mainly the two districts identified above



Critical Issues and Challenges

- Water baseline data are scattered, important information are missing.
 - Most Current draft Water Plan was developed by WHO under the Ministry of Health by Ian. Wallis in May –September 2001
- Taken the Draft water plan as part of baseline data to build on.

- The Water Operations manager kept manual distribution table, this was converted to spreadsheet by Tony Falkland with EDF –B Envelope.
- Advised on the installation of a gauge on outlets if public are allowed to obtain water from the Utilities Water distribution.
- Updating Conjunctive water use estimates, since the 2001 draft water plan for baseline addressing draft water plan as well of a baseline for the demo project.
 - Identification of a suitable candidate to take up

- Existing policies do not incorporate climate change issues, ongoing projects are addressing these issues.
- Project Assistant needed for the project

Technical and Administration Support for Project Management

National Steering Committee to be established to endorse activities

- Established the Technical Committee & Community committee
- Higher Level decision committees is still underway

Aid Management Unit -Coordination with all the other water projects on island to avoid duplication, (this is still ongoing. The aim is to identify the specific activities with other ongoing water projects)

Project Outcome 1: Mainstreaming

- There were several other projects that were already ongoing that was going to address main issues for mainstreaming
- EU IWRM water governance programme
 - Development of national water policies
 - PACC priorities will be incorporated into the development of a water policy
- Second National Communication (SNC)
 - Development of a climate change policies
 - PACC priorities for water issues will be incorporated into climate change policies

- Translating the “Harvesting the Heavens” guidelines for communities which would subsequently contribute to the development of the overarching national water and sanitation policy framework, proposed co-financing with EU B ENV Project
- Water use survey for the two targeted districts which would contribute to water demand management planning. Short-term contract submitted to SPREP for finalization.
- Incorporating Water Resource Management Policies in the NSDS.

Water and Sanitation

Goal: Provide a reliable, safe, affordable, secure and sustainable water supply to meet socio-economic development needs

Key Performance Indicators: Proportion of population accessing regular and safe drinking water and improved sanitation facility (MDG)
Proportion of rain and ground water harvesting to total water production
Potable water available to each person on Nauru on a daily basis

Strategies	Short-term Milestones 2012	Medium-term Milestones 2015	Long-term Milestones 2025	Responsibility
Develop a national water resource management policy to guide the sustainable use and management of water resources in Nauru	A national water resource management policy developed and implemented Assessment of groundwater resources completed Assessment of water demand during drought periods completed General public and communities knowledgeable about water management and conservation measures	Regular supply of water available to all households and businesses Water use and sanitation guidelines developed and implemented Assessment of recycled water completed Long-term sustainable option developed to ensure water is available during drought periods	Universal access to reliable, safe and affordable supply of water Rain and ground water harvesting comprised 50 percent of total water production Programs/initiatives designed and implemented for recycled water Improved water supply available during drought periods	Department of Environment and Nauru Utilities Authority
Improve water storage capacity and infrastructure	Improvements to water catchments and infrastructure revamped and maintained (e.g. installation of gutters and downpipes and renovation of existing water tanks)	Water catchment and storage capacity expanded Water losses and leakage reduced	Rainwater harvesting production increased by 50 percent	Nauru Utilities Authority
Ensure optimal use of groundwater resources	Guidelines for optimal use of groundwater resources developed	Improvements made to groundwater harvesting infrastructure	Improved quality of groundwater supply	Department of Environment and NUA
Provide cost-effective measures for water supplied through reverse osmosis	Enhance efficiency of reverse osmosis production through improvements to desalination plant and equipment	Cost-effective sustainable options for addressing water supplied through reverse osmosis implemented	Dependence on water supplied through reverse osmosis process maintained at cost-effective and sustainable levels	Department of Environment and NUA

Lessons learnt

- Identification of the gaps
 - Awaiting drafts for the development of policies for both the EU IWRM project and the SNC project, then will apply the technical support needed to incorporate PACC priorities
 - Publication of the translated guidelines (time for processing to coincide with implementation of the demonstration)

Component 2: PILOT DEMONSTRATION

Local Project Management Structure

- NDC (National Development Committee) High Level
- NECC (National Environment Coordinating Committee) Middle Management
- Technical Steering Committee
- Head Of Department of PACC project

Engagement of local community

- Inception Workshop
- Community Committee
- Involvement with other environment displays

Difficulties, Gaps and Needs

- Pilot site assessments
- Gathering of baseline information
- Identification of adaption options, existing and traditional coping mechanisms
- Development of adaptation guidelines

Technical Support

- Government Department technical personnel where applicable.



Outcome 3: CAPACITY GAPS AND NEEDS, TECHNICAL SUPPORT

- Most of the work that has been carried out is based on available baseline data
- Limited technical expertise. Obtained advice from assistance from other ongoing water projects

National Institutional Arrangements

- Water Sector Schematics developed

Monitoring and Evaluation

- National Log-frame abstracted from the Regional Log-frame

Co-financing

- EU B Envelope –translation of the “Harvesting the Heavens”into Nauruan
- IWRM Demo -conjunctive water infrastructure for groundwater, pipelines at the demonstration site.
- EU IWRM -policy development for National water and Sanitation.
- SNC –policy development for Climate Change

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Thank You