

Pacific Adaptation to Climate Change (PACC) Project; 2nd Multipartite Review & Project Board Meeting.

Day 02; Water Resource Management: Component 02 & 03

“Warwick Le Lagon Hotel, 08th – 12th August, Port Vila,
Vanuatu”

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AusAID



Presentation Outline

- Overview of Niue PACC Project
- Current systems
- Component 02: Demonstration Measures
- Challenges of Component 02
- Component 03: Communications & Lessons Learnt.
- PACC Project focus & next steps.

PACC Project on Niue.

- Focus on the design, development and implementation of “water-catchment systems” (water-tanks) on Niue.
- Adequate backup system (water) to existing infrastructure.
- Phase 01: 6 Villages (Pressure fed system; Toi Village to Vaiea Village-Eastern Niue) ◆
- Phase 02: 8 Villages (Gravity fed system; Hikutavake Village to Avatele Village) ▲
- **Total Households:** 467 households in 14 Villages
- Behind schedule.



Current systems:



(left) gravity fed system (above) Pressure fed system

- Lessons from Cyclone Heta 2004.
- Linkage to the JNAP
- Understanding the Overall State of Environment on Niue.

Component 02: Demonstration Measures.

- 1) Vulnerability & Adaptation (V&A) Assessments
(June to Sept 2011; ongoing but delays & uncertainties in funding)
- 2) Socioeconomic Assessments
(June to Sept 2011; ongoing, delays & funding issues)
- 3) Baseline Information, for GIS layers.
(Behind schedule)
- 4) Design, development, specifications and standards for procurement (tendering information) of Water catchment system. (Expected any day) AUS-Aid/SPC-SOPAC
- 5) Rainfall data & technical CC modelling. (SPC-SOPAC)
- 6) Procurement of water-tanks (Demonstration measure; Behind schedule- QRT 03 & 04 2011)
- 7) Demonstration Guide (in-progress)



Design, Demo, Setup:



Challenges; Component 02

- Internal issues on capacity. (Pay, tax, elections, changes within governments)
- Monitoring and evaluation
- Data (actual rainfall data, distribution patterns, island wide coverage). Approach to NIWA for collaboration on Automated Weather Stations (AWS).
- Adaptation Options: (Initial; start of PACC)
 - More reservoirs (NZ-Aid funded, cost, infrastructure etc)
 - Upgrade current infrastructure (Cost involved, leak detection, power etc)
 - Water-tanks (Household level within communities) 50:50 partnership.
 - Desalination (Cost, distribution, technology, maintenance, capacity, ownership)(back up to the back up)

IWRM/PACC:



Component 03: Communications, community outreach & engagement.

Current Initiatives:

- Radio Programme once every 2 weeks.
- TV adverts (water-conservation & PACC Project/Climate Change) Support IWRM.
- National Water Song Quest (cd's, DVD's produced, music breaks on TV)
- Included in the Tourism Brochure for visitors)
- Community Support & awareness during Village show-days & community activities.
- Sponsorship of key events on TV e.g. Sports (with ads run for free)
- Stakeholder workshops
- JNAP/Climate Change Policy information circulation.

In progress & Coming Soon:

- T-shirts (and other materials)
 - PACC Newsletter
 - Posters (CC, PACC-Project, design, etc)
 - Water Conservation Video Clip
 - Banner
 - TV Adverts (2)
 - More workshops
 - More consultations
 - More fieldwork
 - More one-to-one sessions
 - More reporting to Government
 - More NWSC meetings
 - More communications
- (top-down-bottom-up approach)

Focus on:

- National approach & Linkages to National Plan (NNISP 2009-2013)
- State of the Environment (SOE) Consultations, Review and outcomes. Climate Change and Biodiversity.
- Climate Change Policy to guide initiatives.
- JNAP for an integrated and structured approach to Climate Change actions.
- Design, development & implementation of demonstration measures (water-tanks)
- Assessments to Guide current and future activities (V & A, Socio-Economic Assessment, Baseline information, cross-cutting issues, & lessons learned)
- Using rainfall data & technical modelling for future CC projections.
- CC and water conservation measures, public awareness activities and community outreach.
- Community consultation and engagement with information translated into Niuean.
- Capacity building across the PACC country team in-country.
- Working together with IWRM.



▪Not what we want.
Learn from others avoid mistakes
Get it right.



Fakaaue lahi mahaki -Thank you

Niue Water Steering Committee (PACC & IWRM Projects)

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