

# **3<sup>rd</sup> MULTIPARTITE REVIEW (MPR) MEETING, YAREN DISTRICT, NAURU 7<sup>TH</sup> -10<sup>TH</sup> AUGUST 2012**



## **INTRODUCTION:**

- 1) WATER SUPPLY SYSTEM FOR HIHIFO**
- 2) COASTAL ADAPTATION**

### **1) WATER SUPPLY SYSTEM FOR HIHIFO**

- Mainstreaming achievements
- Demonstration achievements
- Technical assistance & regional cooperation
- Management

### **2) COASTAL ADAPTATION**

- Options for Consideration (Jonathan McCue and Dr Martin LeTisser) Ctl consultant

# NOTABLE ACTIVITIES AND ACHIEVEMENTS

## Mainstreaming



### **Mainstreaming Reports**

- National Water Policy Developed and approved by Cabinet (23<sup>rd</sup> Sept, 2011)
- Draft National Water Management Plan Developed.
- Draft Water Resources Bill (MLSNR)

# Mainstreaming Process Adopted



## National Water Policy

**Develop Work Plan**

**Approve from MECC, TWG & RPMU**

**Discussion with TWG to identify issues for policy development**

**Consultations with Government, NGOs and Civil Society to identify and confirm issues**

**Recruitment of local consultants**

**Stock take national institutional arrangement and mandates**

**Review of other policies and legislations**

**Public and Key Stake holders consultation**

**One to one consultation**

**Zero Draft of the Policy**

**First Draft of the Policy**

**Final Draft of the Policy submitted to National Water Resources Committee**

**NATIONAL WATER POLICY**

**Approved by Cabinet**

**Submit to Cabinet by MECC**



# Factors that contributed to the success of the mainstreaming exercise



## **Success Factors**

- Support by the Minister of Environment and Climate Change
- TWG agreed to develop a policy
- Support and approval given by the National Water Resources Committee
- Support by the 3 authorities that currently managed water resources and water supply
- Approval by Cabinet

# Benefit Achieved hitherto



- **Mainstreaming Climate Change and disaster risk considerations into the National Water Bill**

# Challenges Faced



- The existing institutional framework for water resources and water supply are currently managed through three distinct authorities. The Ministry of Health, Ministry of Lands, Survey and Natural Resources and Tonga Water Board and there is no clear communication and collaboration strategy to guide coordination..
- Draft Water Bill delayed submission to Cabinet.

# NOTABLE ACTIVITIES AND ACHIEVEMENTS

## Mainstreaming



### **Parliament standing committee for environment**

- PACC Achievement s presented to PSCE



# Capacity Built



## **Consultations**

- 6 Demonstration Communities
- Government Ministries, NGOs
- TWG

## **Assessments and Surveys(Baseline)**

- Socio Economic Survey
- Vulnerability Assessment
- Underground Water Survey
- Existing Water Supply System

## **Technical design**

- Innovative design for Hihifo Water Supply System
- Specifications
- Implementation Plan

## **Implementation**



# NOTABLE ACTIVITIES / ACHIEVEMENTS

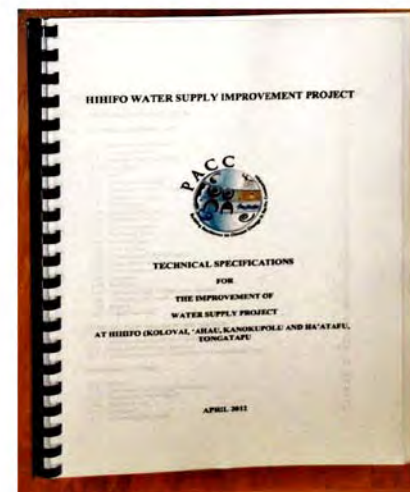
## DEMONSTRATION



### Procurements

- Developed a Procurement Plan

# NOTABLE ACTIVITIES AND ACHIEVEMENT DEMONSTRATION



## Technical Reports

- Design Report
- Implementation Document
- Specification Reports



# NOTABLE ACTIVITIES AND ACHIEVEMENT DEMONSTRATION



**Drilling of 3 monitoring  
boreholes**

# NOTABLE ACTIVITIES AND ACHIEVEMENT DEMONSTRATION



## **ROAD CUTTINGS FOR PIPE LAYINGS**

- TCC ditching machinery
- TTS Construction Ltd



# NOTABLE ACTIVITIES/ACHIEVEMENTS

## DEMONSTRATION



**MINISTRY OF ENVIRONMENT AND CLIMATE CHANGE**

**EXPRESSION OF INTEREST**

**Background**

The Pacific Adaptation to Climate Change (PACC) Project is a climate change adaptation project for Tonga that focuses on the water sector. It is a piloting adaptation activity at its pilot site in Hihifo. The purpose of the project is to increase the resilience of the people from climate change risks particularly drought. As part of its adaptation intervention, the PACC project which is funded by the Global Environment Facility and the Australian Government will be providing tangible on the ground support for Hihifo's water supply.

The PACC Management Unit (PACC-MU) hereby invites interested local companies to submit their "EXPRESSION OF INTEREST FOR THE FOLLOWING PACC PROJECT ACTIVITIES FOR HIHIFO DISTRICT". The Expression of Interest is requested from local companies only. Below are the 7 areas of work available for your consideration:

- Drilling and casings of 4 production boreholes, Hihifo
- Pipe Bedding Materials (Gravel, Sand and Cement)
- Supply, fabrication and construction of Steel Tank Stand
- Excavation Trenches, Road Cuttings and reinstatement
- Construction Works: 6 Pump Houses; 6 Security fences; 1 Chlorination Shed; Concrete Pad Footing, Workshop, Site clearance and Reservoir site preparation
- 200m Access Road construction
- 3 Plastic/Fibreglass Tanks Ground level; 1 Plastic/Fiberglass Tank Elevated Level and 20 Plastic/Fiberglass household tanks

**3. Supply, Fabrication and Construction of Steel Stand**

**Objective:**  
To supply, fabricate and construct one (1) steel tank stand for the Hihifo Water Supply System.

**Applicants must provide the following information:**

- A copy of the Curriculum Vitae
- Work Plan according to the set Term of Reference
- Financial Statement of your company
- Certificate of Registration of your company from the Ministry of Labour and Commerce & Industries
- Proven records in road construction in the past/experience in road construction/document of evidence of the company Road Construction work
- Cost estimate for the activity

**4. Digging and Excavation Trenches, Pipe Laying and construction, Road Cuttings and Reinstatement**

**Objective:**  
To supply of ground level/reinstatement storage and rainwater tanks for the Hihifo Water Supply System.

**Applicants must provide the following information:**

- A copy of the Curriculum Vitae

### EXPRESSION OF INTEREST FOR PACC ACTIVITIES

- 3 local newspapers
- MECC/PACC web-site

### 7 Activities were advertised

- **Drilling and casings of 4 production boreholes**
- **Pipe Bedding Materials (Gravel, Sand)**
- **Supply, Fabrication and construction of Steel Tank Stand**
- **Excavation Trenches, Road Cuttings and reinstatement**
- **Construction Works: 6 Pump Houses; 6 Security fences; 1 Chlorination Shed; Concrete Pad Footing, Workshop, Site clearance and Reservoir site preparation**
- **200m Access Road construction**
- **3 Plastic/Fibreglass Tanks Ground level; 1 Plastic/Fiberglass Tank Elevated Level and 20 Plastic/Fiberglass household tanks**

# NOTABLE ACTIVITIES / ACHIEVEMENTS

## DEMONSTRATION



### **OPENING OF BIDS**

- Acting Director of Environment and Climate Change
- Project Engineer
- PACC PMU
- 9 representatives from Local Companies





# NOTABLE ACTIVITIES / ACHIEVEMENTS

## DEMONSTRATION



### **Evaluation committee**

- Senior Health Inspector
- Hihifo district officer
- PACC Project Engineer.
- PACC Project Coordinator

# NOTABLE ACTIVITIES / ACHIEVEMENTS

## DEMONSTRATION



### **Signing of contracts**

- CEO Ministry of lands, Environment, Climate Change and Natural Resources
- Managing director N.E.E.D.S
- Managing director Tafolo group of companies
- PACC project coordinator



# NOTABLE ACTIVITIES / ACHIEVEMENTS

## DEMONSTRATION



### **Teleconference** **Evaluation Team from** **Tonga and the RPMU** **Team from Samoa**

- Evaluation of bids that was advertised from SPREP

# NOTABLE ACTIVITIES AND ACHIEVEMENTS

## TECHNICAL ASSISTANCE



## News letters for quarter 4, 1,2

- Major activities in each quarter is highlighted



## NOTABLE ACTIVITIES AND ACHIEVEMENTS

### TECHNICAL ASSISTANCE



#### **Overseas Meetings /Workshops and Conferences**

- Asia-Pacific Climate Change Adaptation Forum 27<sup>th</sup> -28<sup>th</sup> October (Thailand)
- Economics of PACC Training Program (2<sup>nd</sup> -6<sup>th</sup> November, 2011 (Nauru)
- The 17<sup>th</sup> UNFCCC Conference of the Parties and 7<sup>th</sup> Meeting of Parties to the Kyoto Protocol (Durban, South Africa)
- Workshop to Familiarize Parties with the Process and the Requirements for the Accreditation of National Implementing Entities for Direct Access under the Adaptation Fund for the Pacific.

# NOTABLE ACTIVITIES AND ACHIEVEMENTS

## TECHNICAL ASSISTANCE



**PACC SITE EVENT**  
**DURBAN, SOUTH AFRICA**  
Project Coordinator presenting  
Tonga's Water Sector  
Development



# NOTABLE ACTIVITIES AND ACHIEVEMENTS MANAGEMENT



## NATIONAL ENVIRONMENT COORDINATION COMMITTEE

- PACC presenting achievements for the past two quarters and the work planned for the next quarter



# NOTABLE ACTIVITIES AND ACHIEVEMENTS MANAGEMENT



## **HIHIFO PACC WATER COMMITTEE**



### **HIHIFO PACC WATER COMMITTEE**

- Meeting once a quarter to updates PACC achievements and work plan for the next quarter

## NOTABLE ACTIVITIES AND ACHIEVEMENTS MANAGEMENT (Finance)



### **2010 Expenditures TOP \$**

- Quarter 1 = \$35,738.88
- Quarter 2 = \$ 20,479.13
- Quarter 3 = \$ 27,525.52
- Quarter 4 = \$ 66,779.22

**Total \$ 150,522.75**



# NOTABLE ACTIVITIES AND ACHIEVEMENTS MANAGEMENT (Finance)



## 2011-June 2012 Expenditures TOP\$

### 2011

- Quarter 1= \$70,643.69
- Quarter 2= \$63,811.39
- Quarter 3 = \$52,976.25
- Quarter 4 = \$13,837.25

**Total    \$201,268.58**

### 2012

- Quarter 1= \$25,204.70
- Quarter 2= \$26,375.64

**Total    \$51,580.34**



# NOTABLE ACTIVITIES AND ACHIEVEMENTS

## Coastal Adaptation



**Geographic Area:**

**Project Area:** Hihifo District (Kolovai, 'Ahau, Kanokupolu and Ha'atafu)

**Why this Area:** High susceptible to the impact of climate change, disaster risks (eg: Tsunami) and sea level rise, storm surge & coastal erosion issues. This is principally because of their low geographic elevation (+2m above MSL)

**Funding Support:** PACC Project (AusAID)

# NOTABLE ACTIVITIES AND ACHIEVEMENTS

## Coastal Adaptation



### **OPTIONS FOR DISCUSSION**

- Intervention Measure A: Use sand for beach recharge.
- Intervention Measure B: Sand bag revetment or related structures
- Intervention Measure C: Sand Bag/coral offshore breakwaters
- Intervention Measure D: Construction of realigned earth embanked defenses within lagoon.
- Intervention Measure E: Adaptive Mangrove/tree planting techniques.

# NOTABLE ACTIVITIES AND ACHIEVEMENTS MANAGEMENT



## CHALLENGES

- Demonstrating community frustrations on the lateness of implementing of project activities
- Land Owners
- Coordination among various stakeholders;
- Awareness on climate change needs to be built;
- Climate change legislation that solely addresses climate mitigation and adaptation needed;
- Climate change issues not mainstreamed into sectoral and local planning thus a challenge to bring it to the planning and finance peoples attention
- Disbursement of Funds from Implementing Agencies very slow



# NOTABLE ACTIVITIES AND ACHIEVEMENTS MANAGEMENT



## LESSONS LEARNT

- Evaluation bids is not an easy job especially when you know all the bidders
- Uncertainty of Working with communities
- Information for procurements

# MALO 'AUPITO FROM PACC TONGA



Pilot Site: Fo'u'i, Ha'avakatolo, Kolovai  
'Aha'u, Kanakupolu, Ha'atafu



Ministry of Environment and Climate Change: TONGA



## Pacific Adaptation to Climate Change Project

VISIT US ON: [www.mecc.gov.to](http://www.mecc.gov.to)

PACC TONGA: Water Sector



Building resilience to Climate Change for Tonga's Communities

*"Ke Anga 'a Tonga ki he feliuliuaki 'a e 'Ea"*

