

**Pacific High-level Policy Dialogue on  
“The Role of Macroeconomic Policy and Energy Security in supporting  
Sustainable Development in the Pacific”**

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Organizations in the Pacific (CROP)**

**Session 3– Developing a Shared Vision and Coordinated Actions**

*Presentation*

**The role of Macroeconomic policy and energy security in supporting  
sustainable development in Tonga**

by  
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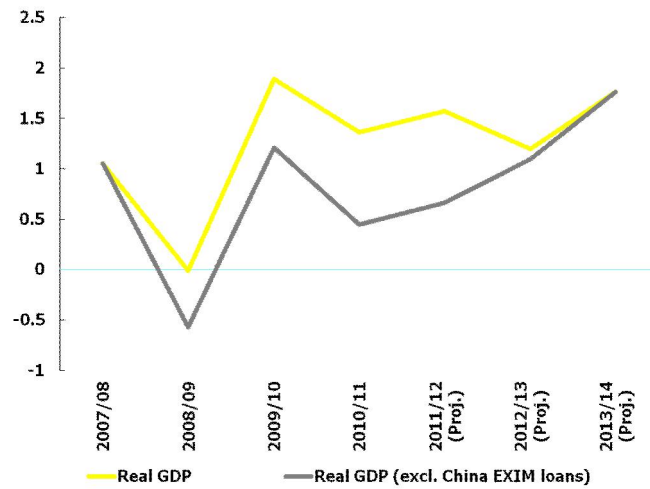
# The role of Macroeconomic policy and energy security in supporting sustainable development in Tonga

Ministry of Finance National Plan- Kingdom of Tonga

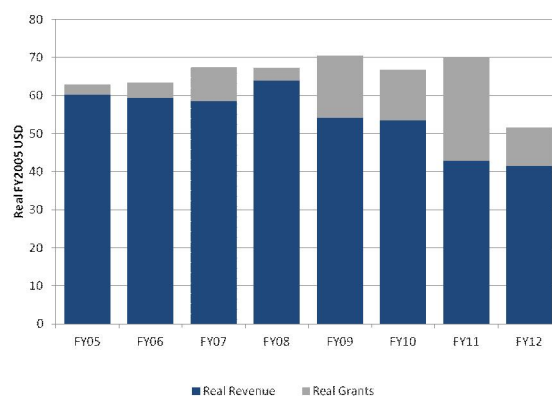
## Outline

1. Overview of the Tongan economy
2. Main energy sources
3. Energy dependency
4. Energy accessibility
5. Renewable energy
6. Energy efficiency
7. Energy governance structure
8. Energy Roadmap 2010-2020 ~ REEP and TERM Structural reform
9. Conclusion

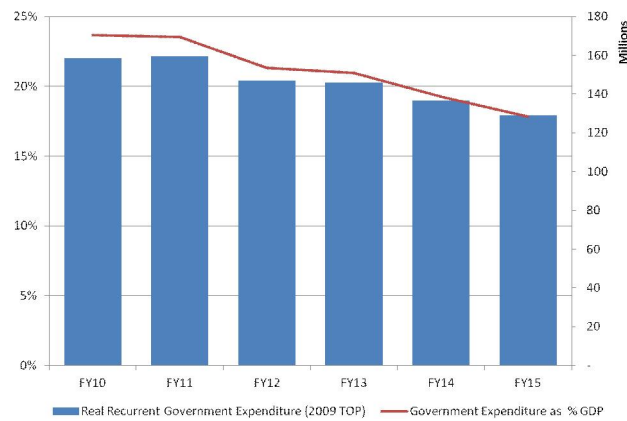
## Overview of the Tongan economy- GDP growth



## Overview of the Tongan economy- Revenue

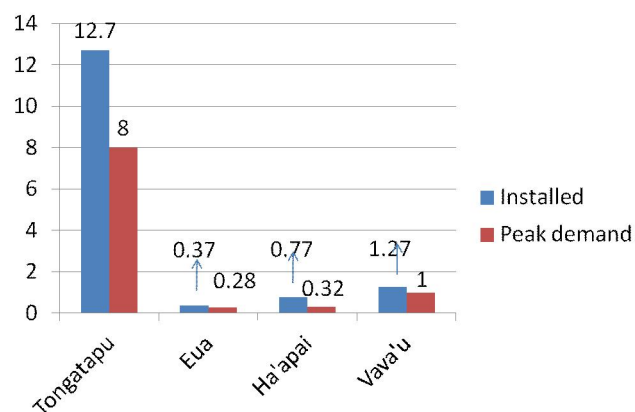


## Overview of the Tongan economy



## Energy main sources

- Tonga Power Limited
  - Electricity



– Oil and gas



## Energy accessibility

- Reliance's
- Extend network
- Capacity concerns



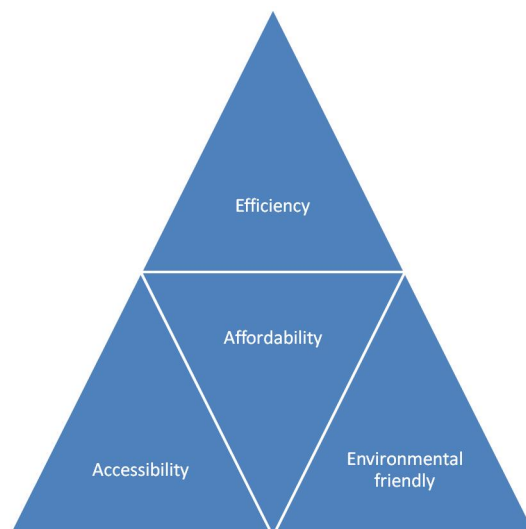
## Renewable energy

- Biomass
- Biofuels
- Biogas
- Solar
- Wind
- Geothermal
- Hydropower

## Energy efficiency

- Residential consumptions 42%
- Replacement of street lights with LEDs
- Energy audit

## Energy efficiency





## Energy governance structure

- Energy framework
  - ü Greenhouse Gas emission (GHG)
  - ü Energy security
  - ü National Renewable Energy Policy
    - “ to provide socially, financially, economically, technically, politically and environmentally sustainable system”.



## Energy Governance Structure

- Electricity commission
- Roles of government
- Government agencies





## **TERM and REEEP structural reform**

- Tonga Energy Road Map (TERM)
  - Off Grid Solar
  - On Grid Solar
- Supply and distribution efficiencies

## **Energy Roadmap 2010-2020**

- TERM-IU



## **Conclusion**

- Develop energy policies and strategies that are focused accessibility, affordability, efficiency and environmentally friendly
- Empower communities to take ownership of development programmes and initiatives
- Reduce poverty and hardship from vulnerable segment of the society
- “Vaevae manava kae pikipiki hama”

**Malo 'aupito ~ ni sa moce**