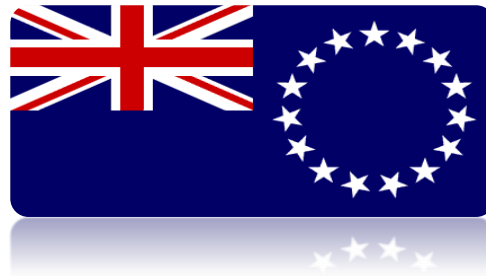




COOK ISLANDS



NAMA Presentation

August 2013

Government Policy

50% of islands (inhabited) powered by renewable energy means by 2015.

100% of islands (inhabited) powered by renewable energy means by 2020.

Influencing Indicators

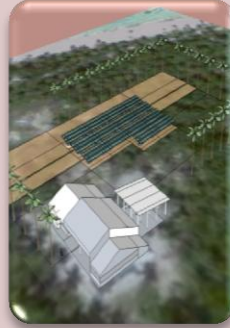
Economical

- Volatile Nature of Diesel Prices.
- Cost of Doing Business.
- Costly Maintenance of Diesel Generators.
- Quality of Power Supply.
- Government Subsidy.
- Supply of Diesel (Outer Islands).
- Household Budget.

Climate Change

- International Obligations
- Avoided Carbon Emissions
- Mitigation Actions
- Resilient Community

Development Partners



NZAID

ADB

Japan
(PEC
Fund)

PIGGA
REP
Fund

SIDS -
DOCK

EU

France



Many Partners one Objective

NAMA - Outline

Description of NAMA

The Cook Islands Government (CIG) has set a policy goal for 100% renewable electricity by 2020 with a phased-in implementation plan that achieves 50% by 2015. (The level was estimated to be 6% at the end of 2011, ~300 kW out of ~5 MW.) This NAMA sets out the support requirements beyond that which has already been secured from international sources.

Sector

- Energy Supply
- Forestry
- Industry
- Agriculture
- Buildings
- Waste
- Transportation

Outline Cont...

Type of action(s)
in
this NAMA

- National/Sector Goal
- Strategy
- National/Sector Policy or Programme
- Project (or programme of projects):
Investment in equipment
- Project (or programme of projects):
Investment in infrastructure
- Other

Implementation Phase

Pre
Implementation
AND
Implementation
Phase

- Institutional development:
- ✓ Human capital:
- ✓ Systemic (policies, legislative, regulatory, etc):
- Other

Finance: NZ\$200,000

- for trades training programme: NZ\$ 50,000 per annum
- for policy assistance for new legal and regulatory frameworks: NZ\$ 150,000

Implementation Phase

Finance

- Grant
- Concessional loan
- Loan (sovereign)
- Guarantee
- Debt swap
- Foreign Direct Investment (FDI) – Equity
- Foreign Direct Investment (FDI) – Debt (Loan)
- Carbon finance
- Other

Implementation Phase

Technological

- ✓ Mature,
- ✓ Proven and
- ✓ Economic energy technologies.

Outline Cont...

Technology(ies)

- Bioenergy
- Cleaner Fuels
- Energy Efficiency
- Geothermal Energy
- Hydropower
- Solar Energy
- Wind Energy
- Ocean Energy
- Carbon Capture and Storage
- Other

Towards 2020 - Southern Group

- Preparatory Work is being undertaken:
 - Mangaia (Centralized Grid Connected Solar Plant)
 - Atiu (Centralized Grid Connected Solar Plant)
 - Mauke (Centralized Grid Connected Solar Plant)
 - Mitiaro (Centralized Grid Connected Solar Plant)
- Renewable Energy Items/Equipment will be required
- Civil Works to be covered
- Power House to be built

Towards 2020 – Southern Group

- Aitutaki

Discussions underway to consider an IPP for Aitutaki (300kW) as an initial step.

- Rarotonga

- Pre-Feasibility studies on Solar & Wind.

- Policies to facilitate investment by Private Users & Public Sector Investors & Independent Power Producers.

Development of the NAMA

- SPREP Assistance Available (Developed guideline & TA)
- Existence of an approved PLAN
- Involved a committee (MFAI, CCCI, REDD)
- A story line was then determined
- Consultation Process took 2 weeks
- Difficulty was on the Symantec's & Details

THANK YOU