



# Renewable Energy Pathway Cook Islands - *Challenges*



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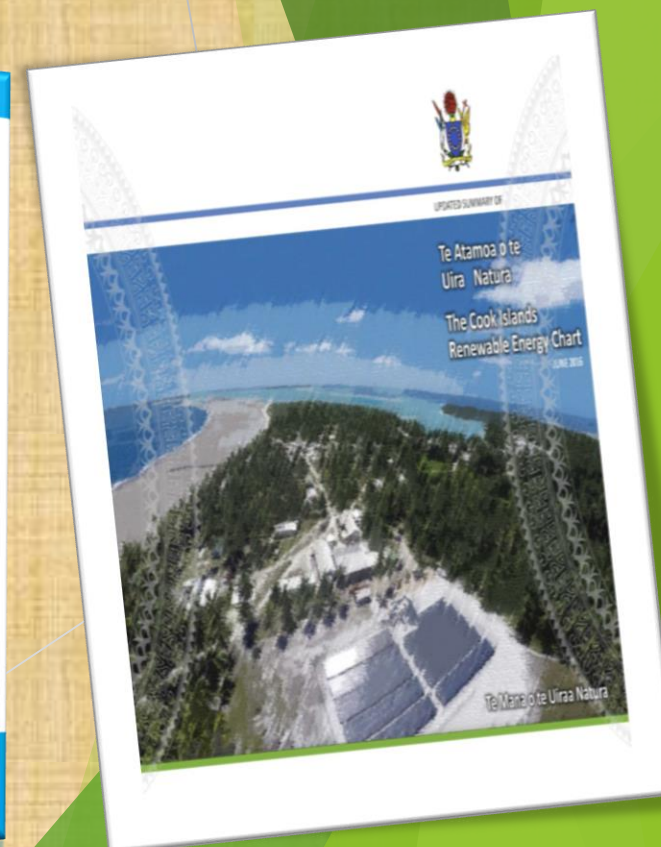
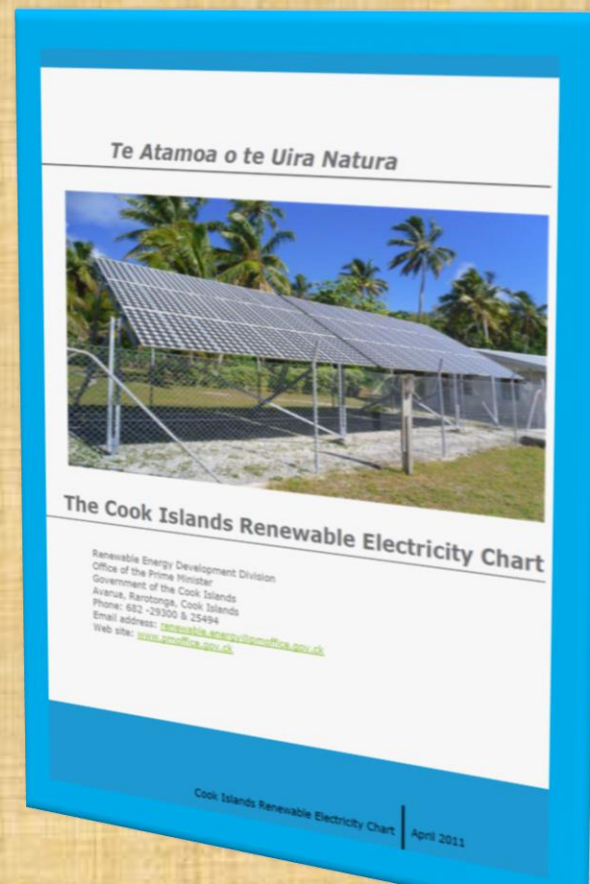
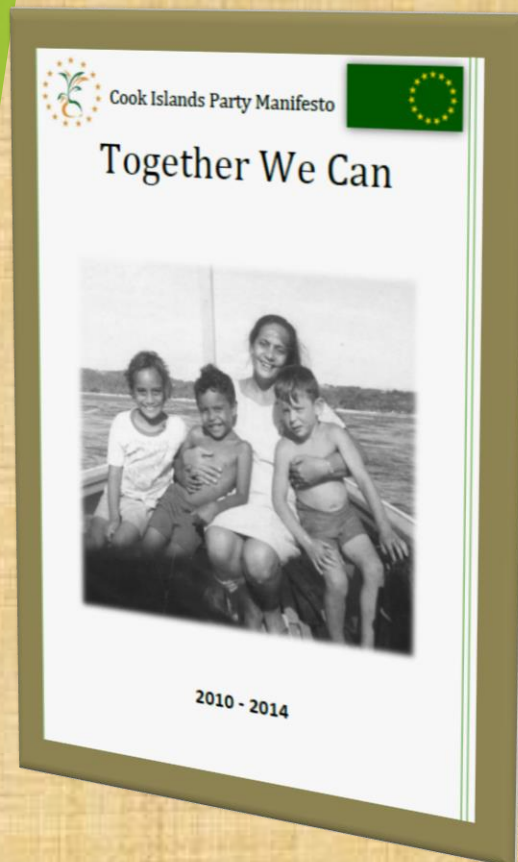
## COOK ISLANDS RE PATHWAY

**2010 COOK ISLANDS  
PARTY MANIFESTO -  
sets the platform**

**2012 TE ATAMOA O TE  
UIRA NATURA (CIREC) -  
set the RE GOALS 2020**

**2012 CIREC  
IMPLEMENTATION  
PLAN**

**2016 REVISED  
CIREC**





# THE CIREC IMPLEMENTATION PLAN



**FEASIBILITY STUDY  
(SEED FUND - UN  
PIGGAREP)**

Backup	8.0
(PV), waste to energy, grid storage and bio fuel backup	200.00
	229.44

**COSTING AND FUND  
RAISING**



**COMMON DESIGN  
PRINCIPLES  
(NZMFAT)**

**PREPARATORY WORK/ASSESSMENTS**





## THE ROLE OUT OF THE CIREC

- 2013/14 - Signing of Funding Source NZMFAT
- Contract with PowerSmart 8\*RE power stations with Back-up Genset. Plus the Rarotonga Airport PV Solar Farm.
- 2015/16 - Completed the Northern Group. At the same time ADB-TA carried Feasibility for CIRESP Phase 1 (Mauke, Mangaia, Mitiaro & Atiu) and Phase 2 (Aitutaki & Rarotonga)
- 2019 - Completed 4 RE Stations in the Southern Group plus Aitutaki Stage 1.
- 2019/20 - Achieve 60-80% Aitutaki Stage 2
- 2020/21 - Complete 3 \* BESS on Rarotonga







# WHO ARE THE PLAYERS?

- SPREP
- UNDP
- SPC
- FORUM SECRETARIAT

Regional Organisations

CONTRACTORS

**ONE TEAM MANY PLAYERS**

- POWERSMARTS
- INFRATEC
- VECTOR
- MITSUBISHI
- TRANSNETT
- PACIFIC GENERATORS
- TOP ENERGY
- TRANSAM & TAIO
- MIKE RENNIE C
- STRUCTURES
- ANDERSONS & RWATTS
- T&M CONTR.

DONOR & DEVELOPMENT PARTNERS

TECHNICAL ASSISTANCE

- CATS
- ENTURA
- ITP
- BECA

- NEW ZEALAND GOVT.
- ADB - EUROPEAN UNION
- JAPAN (PECF)
- GEF6
- GCF

PROJECT STEERING GROUP: OPM, PMU, TAU, ADB, POE, MFEM, CIIC, NZHC



## SOME OF THE CHALLENGES & ISSUES DURING THIS JOURNEY

- ☐ Laying the foundation - minimal references to support the CHART.
- ☐ Locations (2million Sq km) - logistics for shipping wharf age
- ☐ Land Issues - Ownership/Compensation
- ☐ Local Capacity support Project - contractors
- ☐ Political Stability
- ☐ Seeking/Sourcing for Seed Funding for TA to support feasibility studies
- ☐ TECHNICAL - Designs (Common Design Principles)
- ☐ Fund Raising - Who will be Interested to come on board/partners? Timeline for funding?
- ☐ Procurements & Process (Many Players - different appetites)
- ☐ Environmental & Social Safeguard
- ☐ FUNDING CONDITIONS - Donor Money - Donor Equipment's







## KEY DRIVERS FOR CHANGE

- ☐ LEADERSHIP - Stability
- ☐ PARTNERSHIP - Confidence
- ☐ RECIPIENTS - Ownership







# FUTURE COOK ISLANDS

