

Introduction

CPUC – utility provider for Chuuk State – FSM – pop – 45,000;

40 island municipalities; Grid on the main island only

1,900 connections; 2.5 MWp; 26% coverage

2 no. Solar PV grid connect systems – 265 kWp

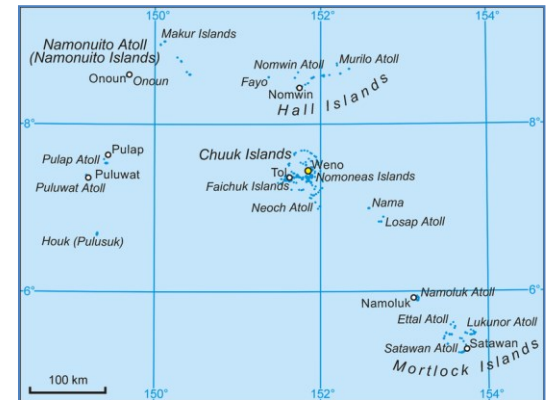
contribution to generation – 2.5%

11 stand alone solar PV systems on schools – 90 kWp

Upcoming Investment Master Plan for expansion of service

Development partners:

World Bank; ADB; EU; JICA; IRENA



Energy Issues

- *Implementations so far are working successfully;*
- *Energy targets – aspirational – 30% RE generation by 2020*
- *CPUC engineering capacity is low – lack of standards/specifications*
- *Battery technology lead acid, heavy, difficult to manage – other options for future*
- *Limited at the moment to Solar – wind assessments indicate marginal resource*
- *Possibility for tidal/current generation – getting support for feasibility is difficult*



Renewable Energy Integration Success Stories

- *CPUC at the start of the RE Journey;*
- *Solar grid connect on main island – 2 sites;*
- *Solar stand alone on Education facilities – 11 sites;*
- *Community discussion important for sustainability;*
- *Limited information/understanding at policy maker level about the real cost of RE uptake and integration, especially at higher penetrations;*
- *Development partner support invaluable in moving the integration process forward – World Bank; EU; ADB; JICA; IRENA*



Thankyou

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