



# Tuvalu Electricity Corporation (TEC)

Title - Tuvalu Ambitious RE Target

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Virtual Presentation

# Background Information

- 9-Atoll Islands
- Islands all electrified
- TEC managed and operate these stations
- 100% access rate to electricity
- Mix Generation – Solar PV and Generators

# Tuvalu Ambitious RE Target

- 100% by 2025, and
- 30% Energy Efficiency

# Where Tuvalu with the Target?

No	Stations	RE Projects Commissioned	2016	1 <sup>st</sup> Quarter 2021
1	Outer Islands	End 2015	84%	36%
2	Fogafale	End 2015	14%	10%
3	Tuvalu Overall		28%	16%

## What is happening?

- Demand/usage has significantly increased
- 3-outstations battery bank conditions is in bad condition and need urgent replacement
- Fogafale – few installations are facing technical problems.

# Plan to Achieve the Ambitious Target

## Existing RE & EE Project

No	Projects	Capacity	Contractor	Donor	Status
1	Tuvalu Energy Sector Development Project	-700kW solar PV and 1MW/2MWh BESS	Infratec, NZ	WB	Com. 2022
2	Increasing Access to Renewable Energy Project	-500kW solar PV and 1MW/3MWh BESS	CBS Pty Ltd, Fiji	ADB	Com. 2022
3	Standalone Home Solar (SHS) System for Funaota, Nukufetau	-SHS System with Cooling storage Facility	CBS Pty Ltd, Fiji	UN-India Partnership	Com. Feb. 2022
4	Demo Floating Solar PV System	-100kW grid connected	JOHS, Denmark and sub contractor Floatpac Aust and Clay Eng.	GEF via UNDP	Com. 2022
5	Upgrading Motufoua Secondary School Solar PV Project	45kW PV with 12,000AH	Funding Secure	Italy Govt.	Working on Direct recruitment
6	Low Carbon Fund		Development Bank of Tuvalu	IUCN & GEF	Public Access the Fund

## Pipeline RE Project

No	Projects	Capacity	Funding	Donor	Status
1	Preparing Floating Solar Projects under the Pacific Renewable Energy Investment Facility (PREIF)	Technical Assistance	secured	ADB	Consultant Recruited
2	Increasing Access to Renewable Energy (IAREP) Phase II		Partially	ADB	After COVID

Questions Please?