

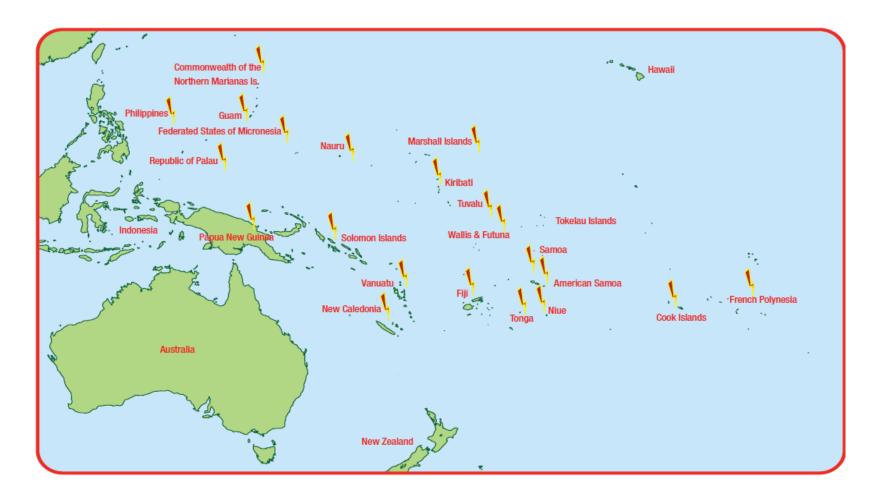
#### "Building and Operating a Resilient Renewable Electricity System"

Andrew Daka Pacific Power Association Suva, Fiji

Serving the Power Industry in the Pacific



#### Where we are.



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#### Why the RE Push

## Lessen the impact of fuel price fluctuation and improve fuel security. Climate change action is symbolic.



IATED POWER 500 KVA	RATED VOLTAGE PRI. 11000 V TOTAL MASS 2800 kg SEC. 415 Y/ 240 V UFTING MASS 1600 kg
IATED FREQUENCY 50 Hz	RATED CURRENT PRI. 26.2 A DL GUANT. 660 L
YPE OF COOLING ONAN	SEC. 696 A WITH CONTACT - FEE BUTTON PLATE
CONNECTION SYMBOL Dyn11	TEST VOLTAGE PRI. LI 90 AC 28 KV
SERIAL No. /Ear of Manu.	SEC. LI - AC 4 KV
Property and in the second sec	SHORT-CIRCUIT IMPEDANCE (75C) 8
VOLTAGE(V) POS. CONNECTION F 12000 (1) 3 - 4	UVW
F 11500 2 4 - 2	
R 11000 3 2 - 5	
F 10500 @ 5 - 1	
F10000 5 1 - 6	U U W O O SEC. O O
S. 12	N V W O N V W O
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Transformer for Photovoltaic System

# Challenges to Accelerating RE Uptake and Integration

- No clear directions on achieving the targets
- No budget support
- Absence of clear policies and regulations to support acceleration of RE
- Limited expertise within utilities and governments in RE integration and IPPs



**Challenges to Accelerating RE Uptake and Integration** 

- Aged and fragile grids
- High level of losses
- Lack of coordinated approach to project implementation



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- Development of Energy Roadmaps
- Identification of RE resources
- Capacity building to address identified areas
- Introduction of regulatory bodies



### Long term actions

Pacific Island Utilities acknowledge that RE integration is here and that they need to adopt to embrace technology and business changes



#### **Questions?**

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