OVERVIEW

• Tonga’s Renewable Energy Penetration
• Where we want to be
• How do we get there
• Renewable Energy Road Map
• Hybrid System Plan to reach 50% by 2020
Tonga’s Renewable Energy Penetration

• Over 13% now
• Best month achieved is 14% - 16%
• Diesel Generation RE absorption limit reached (4.3MW)
• 17.7 MW of Diesel Capacity Installed
• 7.5 MW of RE Installed On-grid (Solar PV, Wind, IPP)
• 1.8 MW/1.6 MWh Total BESS Installed
Where We want to be?

- **Specifically** – 17.5 MW of RE and 10 MW/20 MWh Energy storage added to the Tongatapu system
- **Measure** – 50% or more of electricity generation from RE
- **Achievable** – Through significant donor, private sector investment and a dedicated implementation team
- **Relative** – Socio-economic benefits through tariff stability due to less impact of oil price shock
- **Time Bound** – before the end of 2020
How do we get there?
Renewable Energy Road Map
Hybrid System Plan to reach 50% Renewable Penetration by 2020

SAFE, RELIABLE, SUSTAINABLE, AFFORDABLE Electricity for the people of Tonga
MALO AUPITO....Any Question??

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