



# PREPARING FOR FUTURE DISRUPTIONS: *TONGA*

**ASIA PACIFIC ENERGY REGULATORY (APER) FORUM EXTRAORDINARY MEETING  
Friday 14 August 2020**

**Purpose:** To discuss Tonga's perspectives on preparing its energy systems for future disruptions, against the backdrop of accelerating the transformation towards sustainable and resilient energy future

## TONGA'S KEY CONSIDERATIONS AND PRIORITIES AS A REGULATOR FOR THE NEXT 10 YEARS.

- National Policy reach 50% generation from RE 2020– Solar and Wind
- 70% Electricity Generation from RE 2030 – Solar and Wind.
- Mini Grid and Off Grid – Outer Islands
- Current focus is on electricity as a regulator. Plan is to merge existing energy regulators into one such as petroleum, gas and renewable energy.

## RENEWABLE ENERGY ROAD MAP



**WHAT ARE SOME OF THE NEW MEASURES TAKEN TO INCREASE THE RESILIENCY OF PHYSICAL INFRASTRUCTURE AND THE ENTIRE SYSTEM TO PREPARE FOR FUTURE CRISES**

- National Policy to reach end of 2020 - 50% of energy generation from Renewable Energy sources - Solar and Wind.
- Government investment to ensure security of energy supply.
- Compliance audit and physical inspection of energy assets being conducted.



WHAT ROLE  
WILL NEWER  
TECHNOLOGIES  
SUCH AS  
HYDROGEN AND  
FUEL CELL  
TECHNOLOGIES  
PLAY?

- We understand its role as a back-up, but Tonga has yet to experience these newer technologies.

DO WE NEED TO  
CHANGE HOW  
WE REGULATE  
THE ENERGY  
MARKET TO  
PREPARE FOR  
FUTURE  
DISRUPTIONS?

- Impact of climate change on energy consumption to be considered in electricity regulations.
- Increase in renewable energy supplies should be reflected in regulations.
- Ensure policies are in place to ensure security of supply in case of future disruptions.



ARE THERE NEW  
MARKET  
OPPORTUNITIES  
THE PANDEMIC  
HAS REVEALED?

- No new market opportunities due to size of the island, but open to consider opportunities.