ELECTRICITY COMMISSION

Commission's Functions

- ❖ The Commission shall have the following functions, to —
- (a) take enforcement actions under this Act or any regulations made under this Act;
- (b) carry out all activities required by the terms of a concession contract;
- (c) carry out all activities necessary or desirable for the licensing of electricians;
- (d) develop and recommend regulations establishing standards for electrical safety;
- (e) develop and recommend regulations establishing powers for a concessionaire (in addition to those set out in the concession contract) for the purpose of performing any obligation under a concession contract or undertaking any work pursuant to a concession contract

KEY ELECTRICITY STATISTICS

- **■** More than 92% of the Kingdom's Homes are Grid connected
- 20,267 Residential customers; 4,820 Commercial customers
- 0.5% on very small islands have their own mini-grids
- **■** 65,574,965 kWh delivered to customers last year 2020
- 16,038,748 litres of diesel used for generating electricity last year
- Total Installed Generating Capacity of around 18MW whereof 15MW Diesel and 3MW Solar (16%)
- Government Target of 50% Renewable Energy Generation by 2020. Projects to be fully operational by then include an IPP of 2MW (operational mid-2017) and a Japan Government Wind Farm of 1MW (operational 2019). Just signed a further 6MW of Solar to be operational 2021
- Distribution System comprises 301 km of HV lines and 213 km of LV lines. Over half of the Grid will have been renewed by 2021
- © Current Line Losses of 8.5% (down from 22% in 1999) and expected to fall to 5-6% within the next 5 years.
- Diesel Fuel Efficiency now 4.00 kWh/litre up from less than 3.7 kWh/litre in 2008

ELECTRICITY TARIFF

- In the last two years the Electricity Tariff has been decrease from 83.16 seniti/kWh (41 US cents) to 73 seniti/kWh (36 US cents). Further reductions will follow as new RE generation implemented
- Uniform Tariff since 2006 according to the mantra ONE COUNTRY : ONE PRICE
- Savings from RE are passed on in FULL to Consumers
- Smart Metering being introduced gradually and eventually this could lead to a lower tariff for consumption in OFF-PEAK hours
- Reduced Rate Tariff for Residential Consumers with limited demand (under 100 kWh/month) currently under discussion but was introduced in 2017

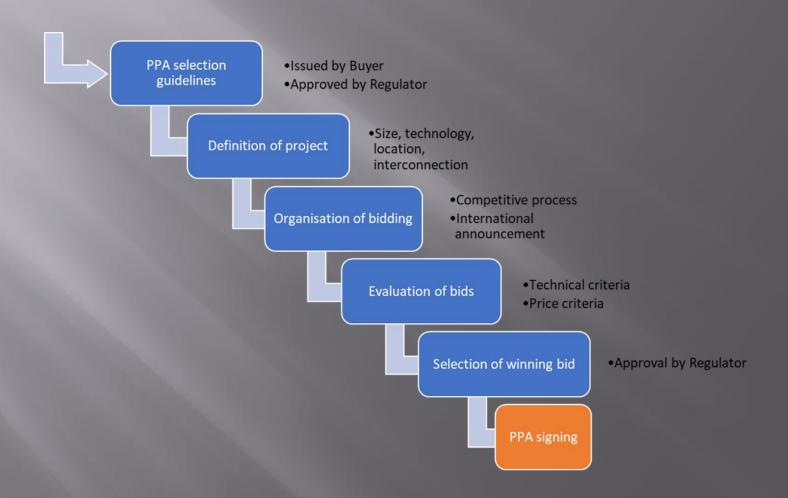
REGULATORY MODEL

- Concession Contract with (now) 5 year Resets
- Last Reset in 2021 after full review of power producers OPEX and CAPEX for 2015-2020 : 1% decrease in Non-Fuel Component of Tariff (less than Inflation since previous Reset in 2015)
- Non-Fuel Tariff changes annually only with inflation. No increase allowed for 2016 (deflation!) and a similar result expected for 2017
- Fuel Tariff allows only "efficient" use of diesel. Pre-set Fuel Efficiency, Parasitic and Line Loss targets if not met then actual fuel purchase cost reduced. INCENTIVE to meet Efficiency Targets

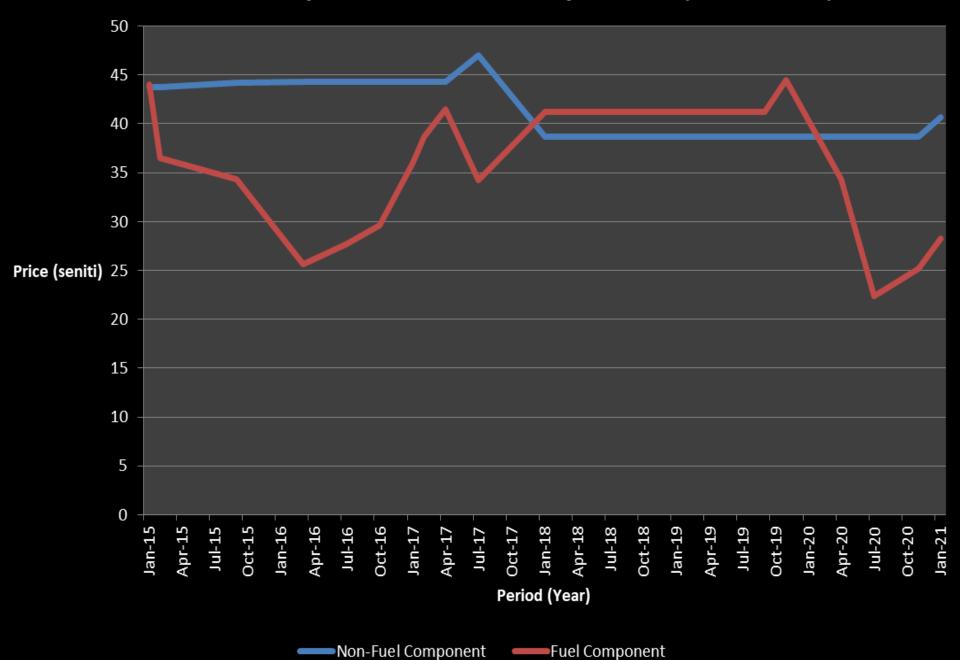
Electricity Regulation and its impact on the TERM targets

- * 50% RE Generation by 2020; 70% RE Generation by 2020
- We need IPP Why?
- Growth in electricity demand and aging capacity
- * Requirement of new investments in power generation
- Public finance for power investments is not generally available
- Challenges and risks of technologies that are relatively new
- Governments seek for competition in power production
- * New generation investments by Independent Power Producers (IPPs) with Power Purchase Agreement (PPAs)
- * Utility should remain responsible for generation expansion planning and keeping up reserve capacity

Tendering Process

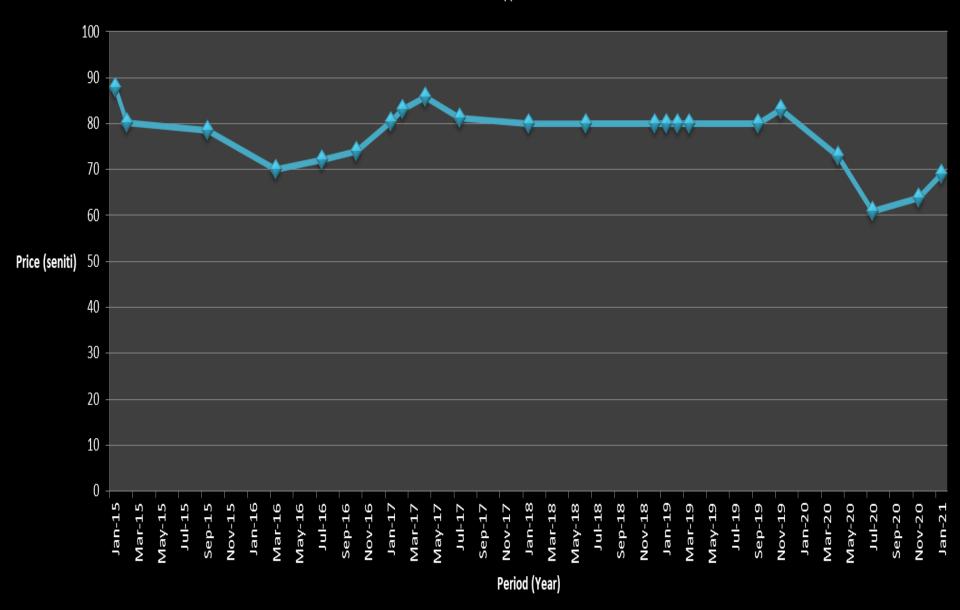


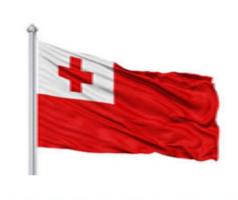
Non-Fuel Component vs. Fuel Componennt (2015-2021)



Tariff Approved (2015-2021)

New Tariff Approved





THANK YOU