

# Regional Meeting

## Clean Energy Corridor of Central America (CECCA)

### Panama, 23 May 2018

**Session IV: Accelerating Renewables  
Deployment in Regional Electricity Market**

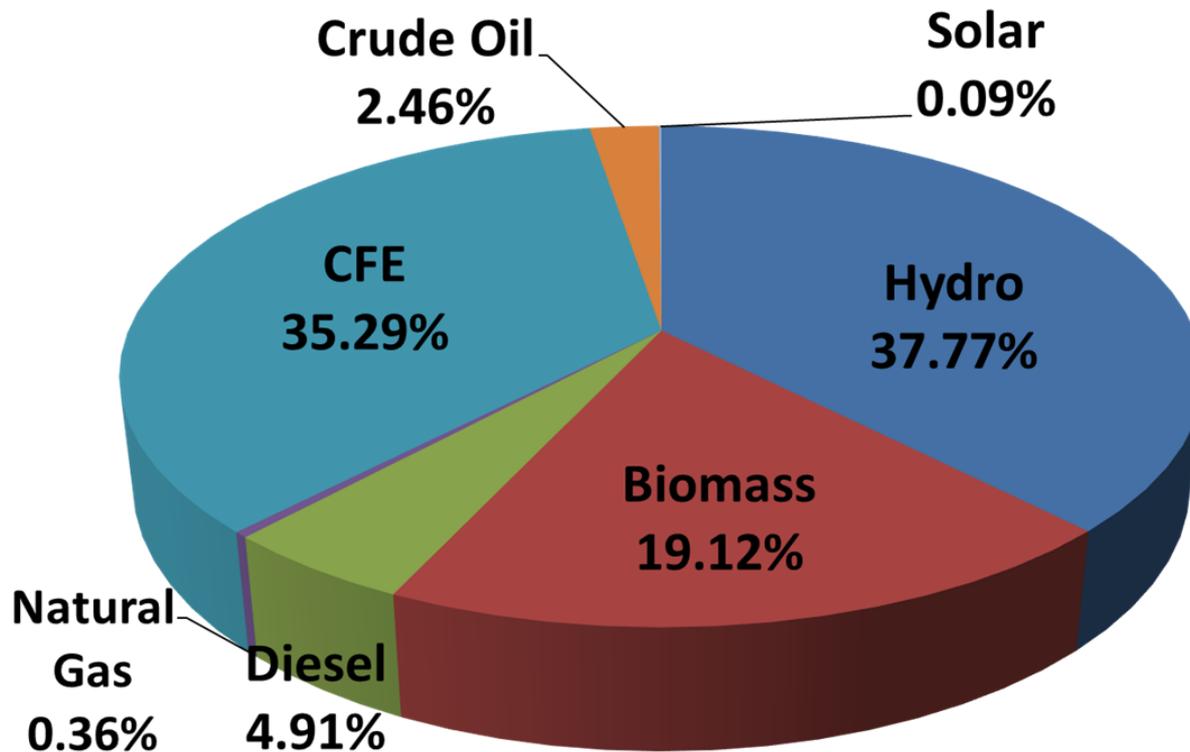


## Current status of renewable energy development in Belize

- Renewable Energy Statistics Profile:
  - Renewable energy installed capacity

Facility	Type	Installed Capacity
Mollejon	Hydro	25.2 MW
Vaca	Hydro	19.0 MW
Chalillo	Hydro	7.3 MW
Hydro Maya	Hydro	3.0 MW
Belcogen	Bagasse (Sugar Cane)	31.5 MW
Santander	Bagasse (Sugar Cane)	16 MW
UB Solar Farm	Solar	0.48 MW

## Renewable energy generation



- National renewable energy targets, goals or strategies
  - Increase electricity generation from RE to 85% by 2030
  - Decrease transmission and distribution losses from 12% to 7% by 2030
  - Increase energy access from 91% to 99% by 2030 through grid and off grid solutions
- Renewable energy legislation (policy and regulatory support schemes)
  - Horizon 2010-2030
  - National Energy Policy Framework
  - Sustainable Energy Action Plan 2014-2033
  - National Climate Resilience Investment Plan 2013
  - Growth and Sustainable Development Strategy 2016-2019
  - The National Climate Change Policy, Strategy and Action Plan 2015-2020.
- Major investments and future renewable energy projects
  - Possible 2<sup>nd</sup> interconnection with Mexico at 230 kV

## Renewable energy development in the national electricity market of Belize

- Policy, regulatory or institutional challenges
  - Belize has no Energy Act or Law. The sector is currently governed by the Electricity Act and PUC Act
  - Currently there are no laws that allows and regulates distributed Generation
- Technical challenges
  - Belize peak demand is of 106 MW and implementing large variable renewables will pose challenges
- Financial challenges

## Belize's experience with the Regional Electricity Market

- Utilisation of the regional market by Belize
  - Belize does not participate in the MER or SICA
  - Belize has a 115 KV interconnection with Mexico
- Main challenges with utilising the regional market
  - Belize buys energy from Mexico on the Spot Market
  - Regulatory challenges
- Barriers to exporting more renewable power into the regional market
  - Belize does not have an interconnection to SEIPAC