



**REpowering Cities of the Future:  
Transitioning to RE**

## **RE Plans and Programs**

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# Presentation Outline



**Where We Are  
Now**



**Overview of RE  
Plans and  
Programs**



**Where We Are  
Headed**



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**Where We Are Now ...**



# Renewable Energy Act of 2008 | R.A. 9513

**500 MW**

of Biomass Energy  
(*bagasse and rice hulls*)



**4,000 MW**

of Geothermal Energy



**5 kWh/sq.m/day**  
of Solar Energy



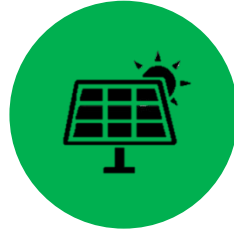
**10,000 MW**  
of Hydro Energy



**170,000 MW**  
of Ocean Energy



**76,000 MW**  
of Wind Resource



## Accelerate the Exploration and Development of RE resources

Provide Fiscal and Non-Fiscal incentives to promote RE's efficient and cost-effective commercial application. Institutionalize the development of national and local capabilities in the use of RE systems.



## Achieve Energy Self-Reliance

Adoption of sustainable energy development strategies to reduce dependence on fossil fuels, hence, minimize exposure to price fluctuations in the international markets



## Clean Energy to Mitigate Effect of Climate Change

Effectively prevent or reduce harmful emissions to balance the goals of economic growth and development with the protection of health and the environment.

# BIGSHOW



# RE Capacity and Generation Mix

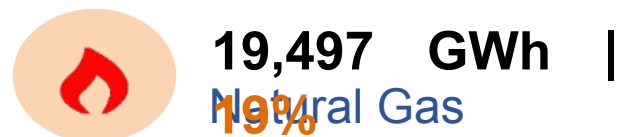
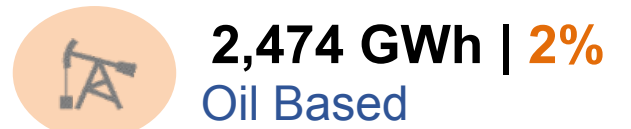
## 2020 CAPACITY AND GENERATION MIX

### Installed Generating Capacity

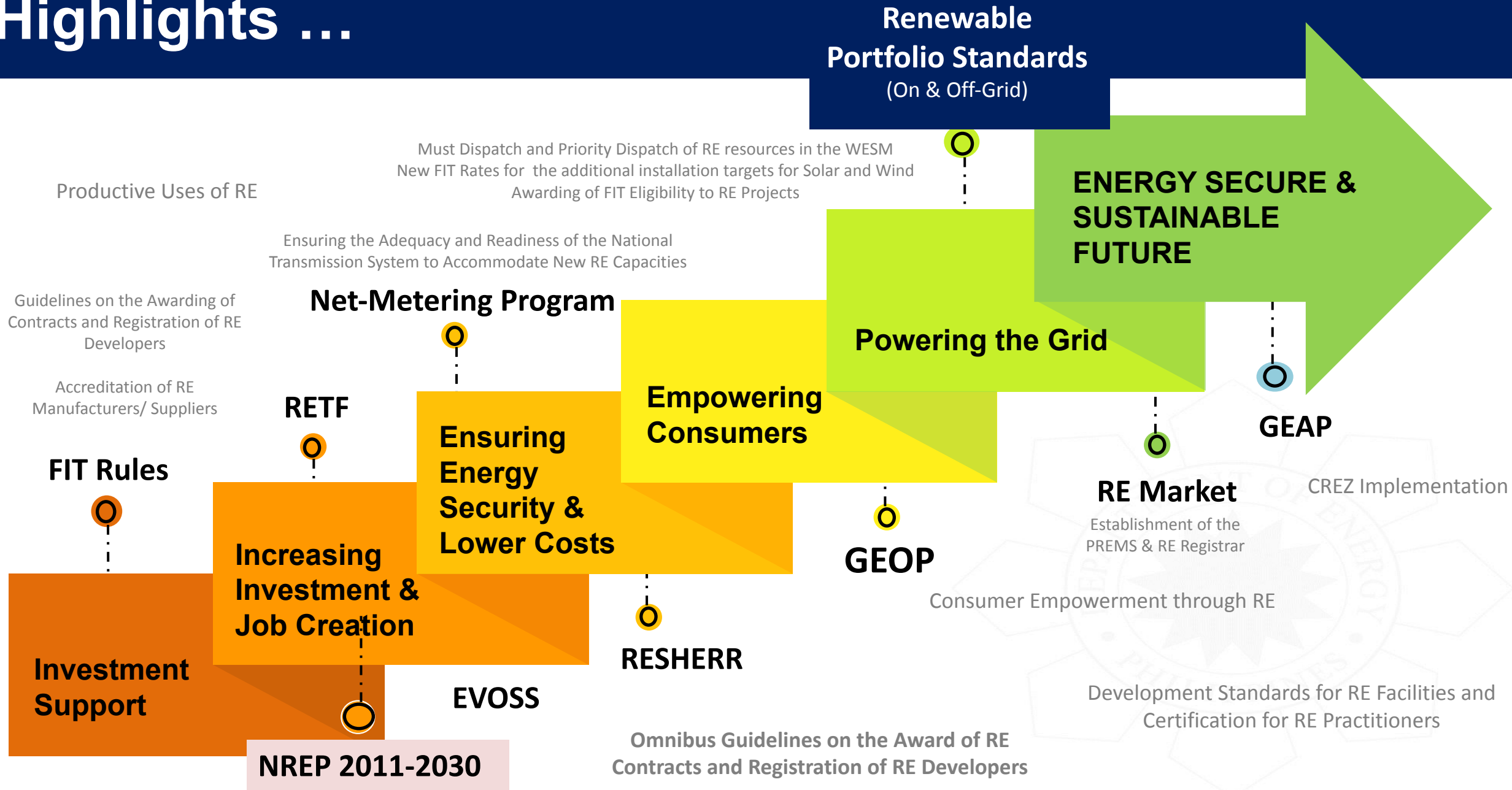
TOTAL: 26,250 MW

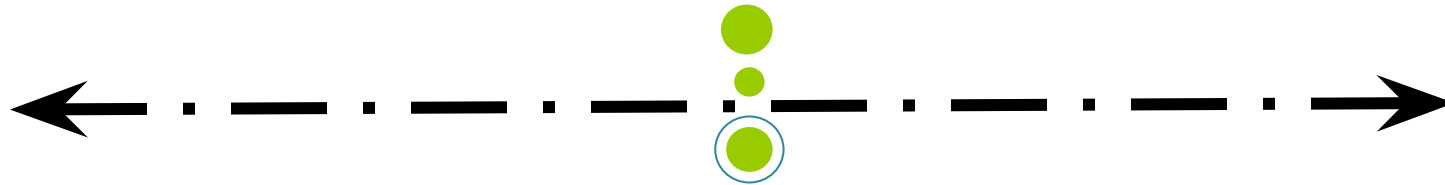


### Power Generation TOTAL: 101,756 GWh



# Highlights ...



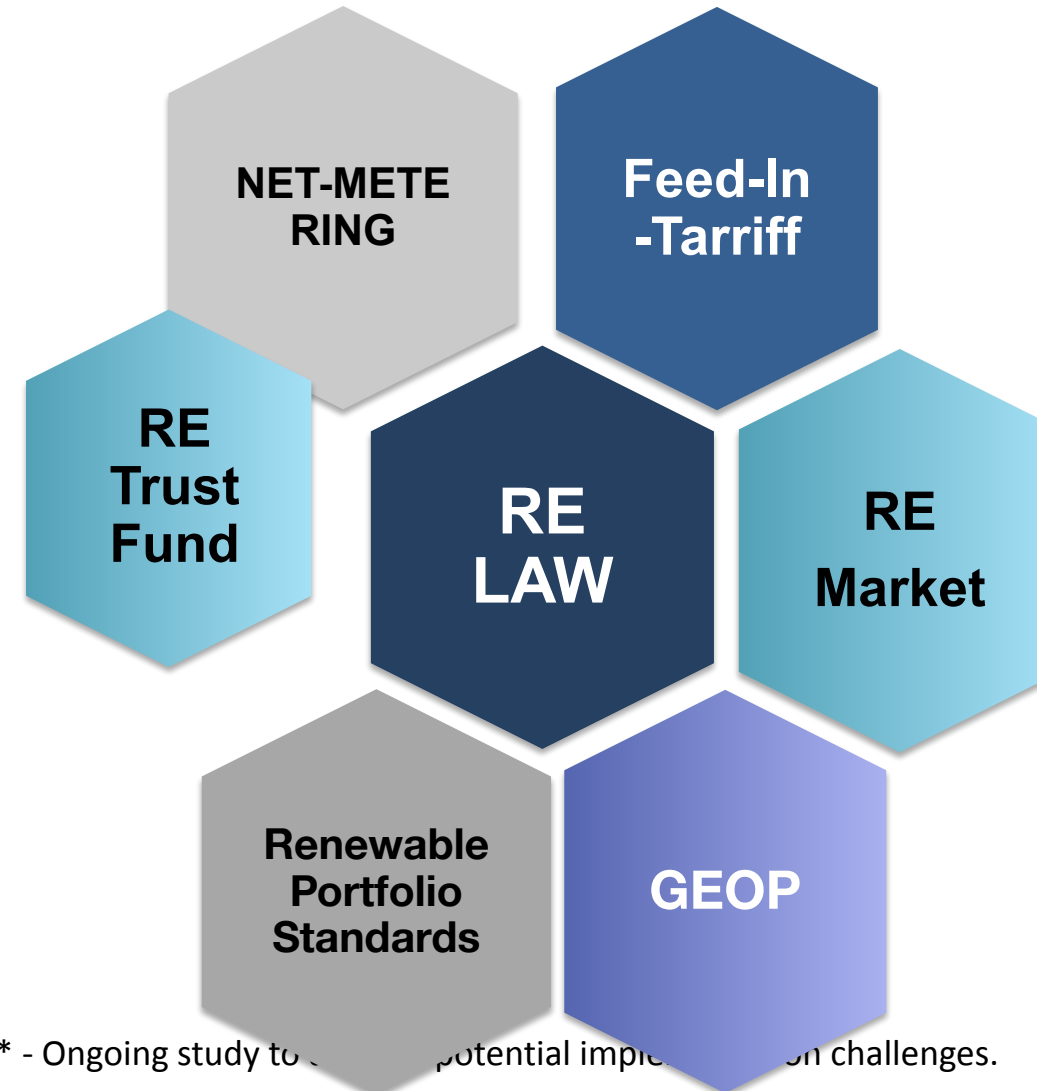


**Overview of RE Plans and Programs**



# RE Policies and Programs

RE Policy Mechanisms	Status
Feed-In-Tariff (FIT) System	Completed except ROR Hydro
Net-Metering	Ongoing Implementation
Renewable Portfolio Standards (RPS) On-Grid	Ongoing Implementation
RPS Off-Grid	Implementation Deferred**
Green Energy Option Program (GEOP)	For Full Implementation
Renewable Energy Market (REM)	Ongoing completion of Readiness Criteria



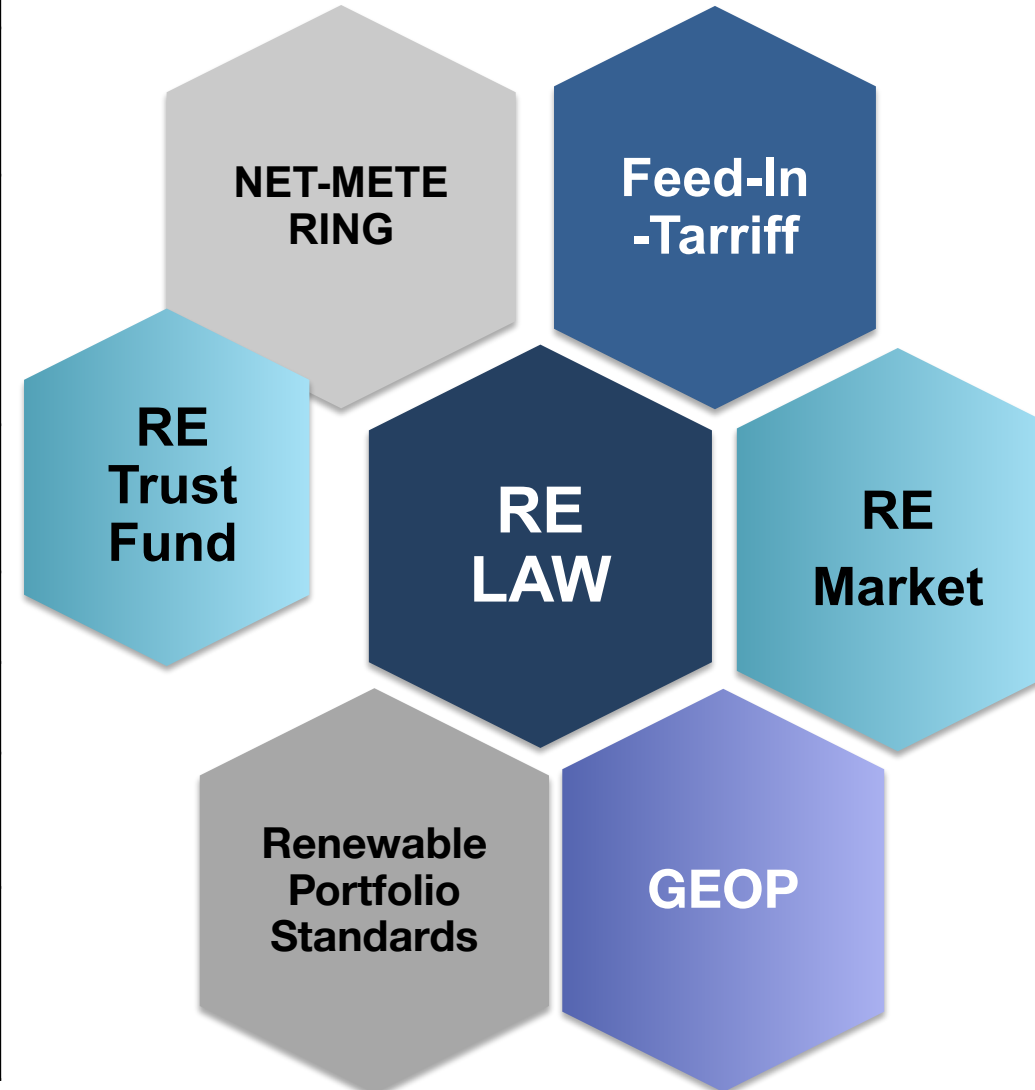
\*\* - Ongoing study to assess potential implementation challenges.

\* As of March 2021



# RE Policies and Programs

RE Support Mechanisms	Status
RE Trust Fund	On-Going Development of Implementation Guidelines
CREZ	Continuing. Phase 2 Activities ongoing (energy storage system and long-term load forecasting)
Enhanced Net Metering Program	Guidebook to be issued on 4 <sup>th</sup> Quarter 2021
Waste-to-Energy Development	For Policy Issuance
Green Energy Auction Program	For Policy Issuance
Off-Shore Wind Development Roadmap	On-Going Study
Adjustment in the RPS Minimum Annual Increment	NREB recommended increase from 1% to 2.52% annual increment beginning 2023





**Where We Are Headed ...**





# National Renewable Energy Plan (NREP), 2020-2040

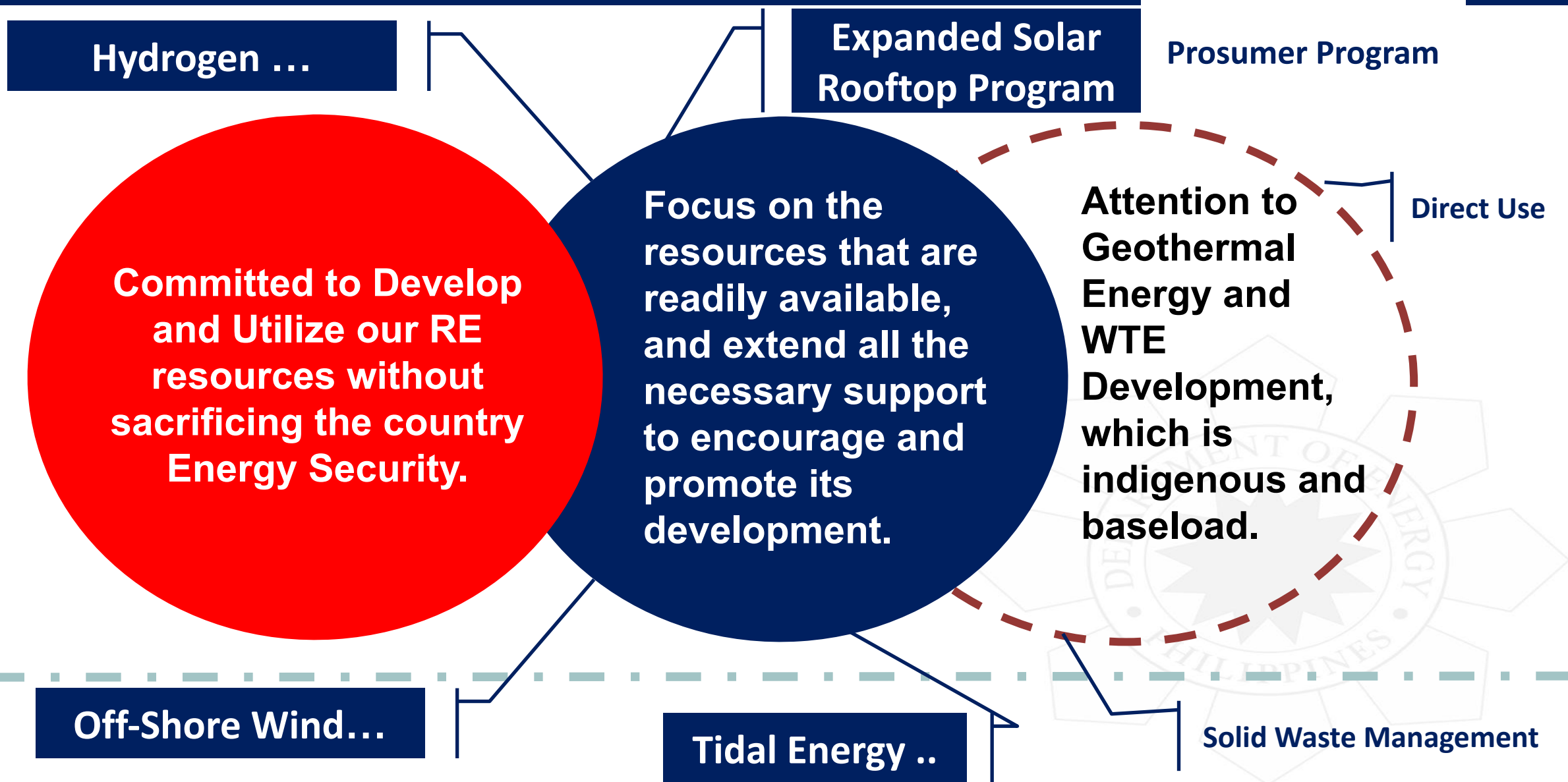
## Goals and Objectives

NREP sets a target of at least **35% RE Share** in the power generation mix (MWh) by 2030

NREP works to drive **RE share to greater than 50% by 2040**, dominating the mix



# Innovating the PH Energy Landscape ...





**REpowering Cities of the Future: Transitioning to RE**

**RENEWABLE ENERGY  
PLANS AND PROGRAMS**

**Thank You and  
Mabuhay!!!**

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OIC, Renewable Energy Management Bureau  
10 November 2021**

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