



Renewable Energy Development in the Philippines





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2023 Power Statistics

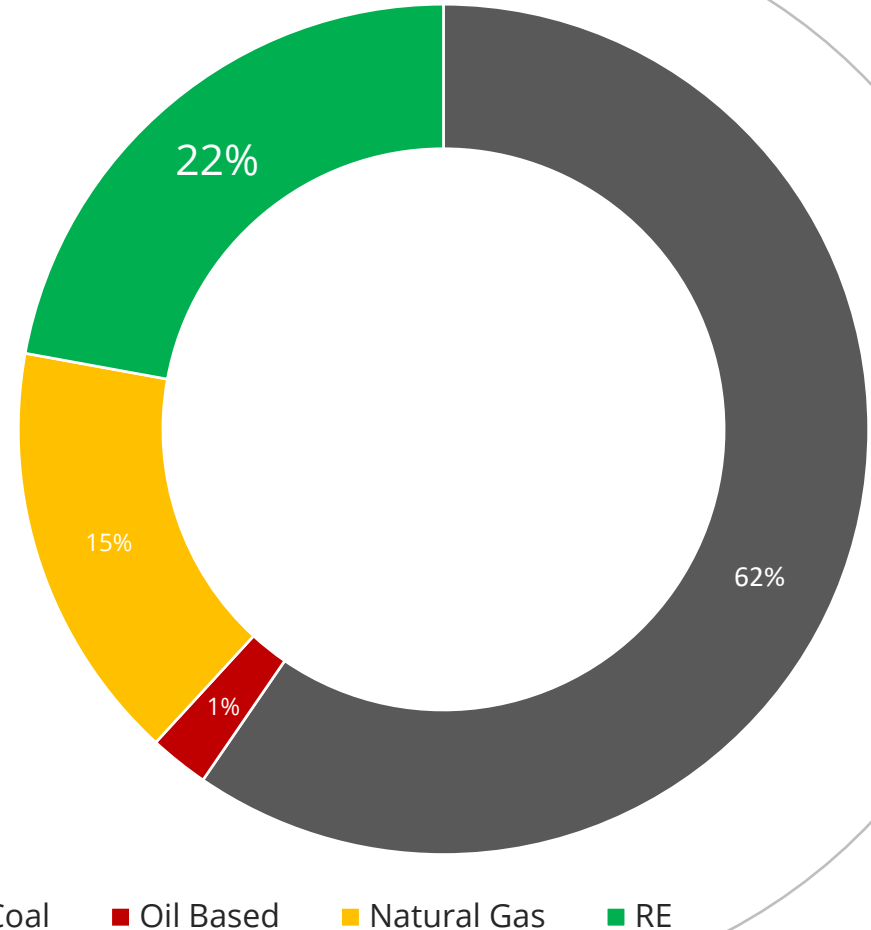
In 2023 RE comprised 30% of the installed capacity and 22% of the gross power generation of the country.

Installed Capacity

	Capacity, MW	% Share
 Coal	12,406	43.9%
 Oil	3,737	13.2%
 Natural Gas	3,732	13.2%
 RE	8,417	29.7%

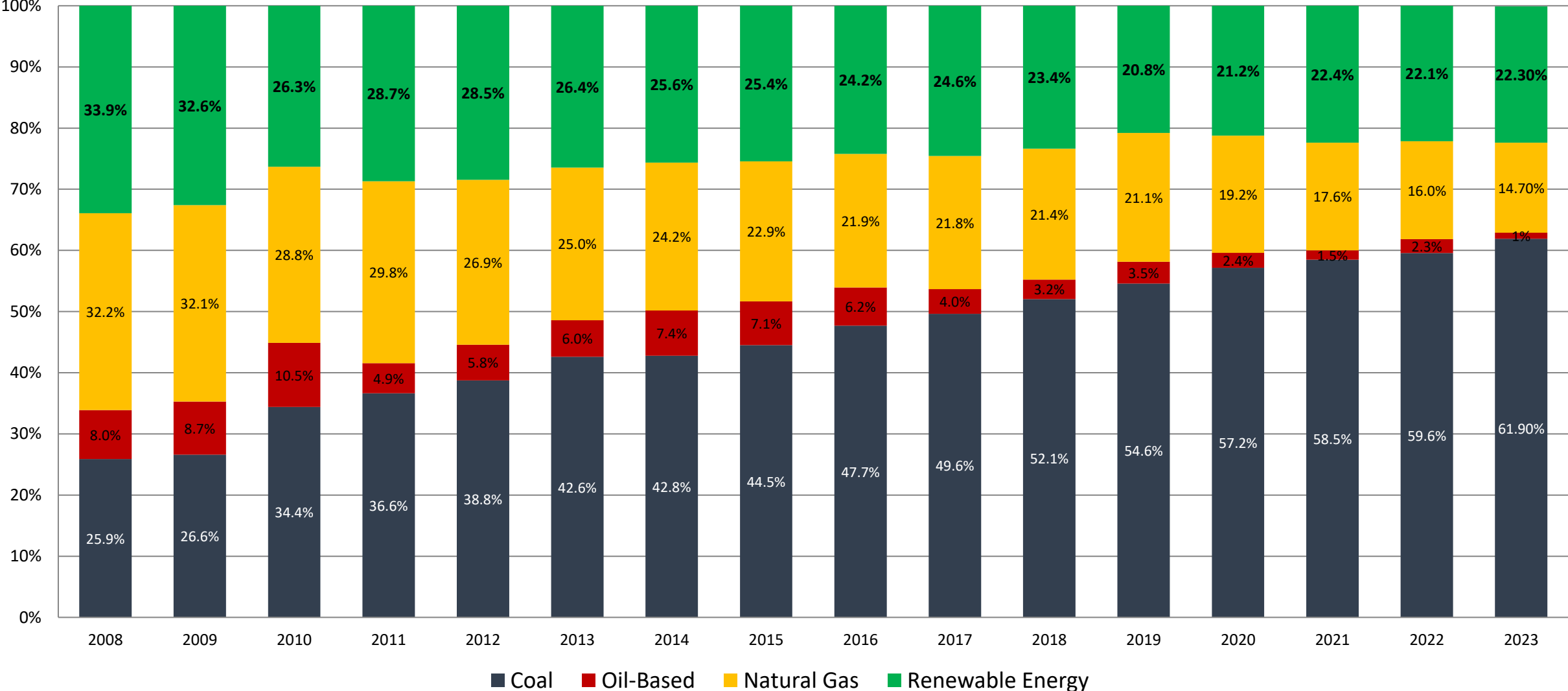
Source: DOE List of Existing Power Plants

Gross Generation



Source: DOE and National Grid Corporation of the Philippines

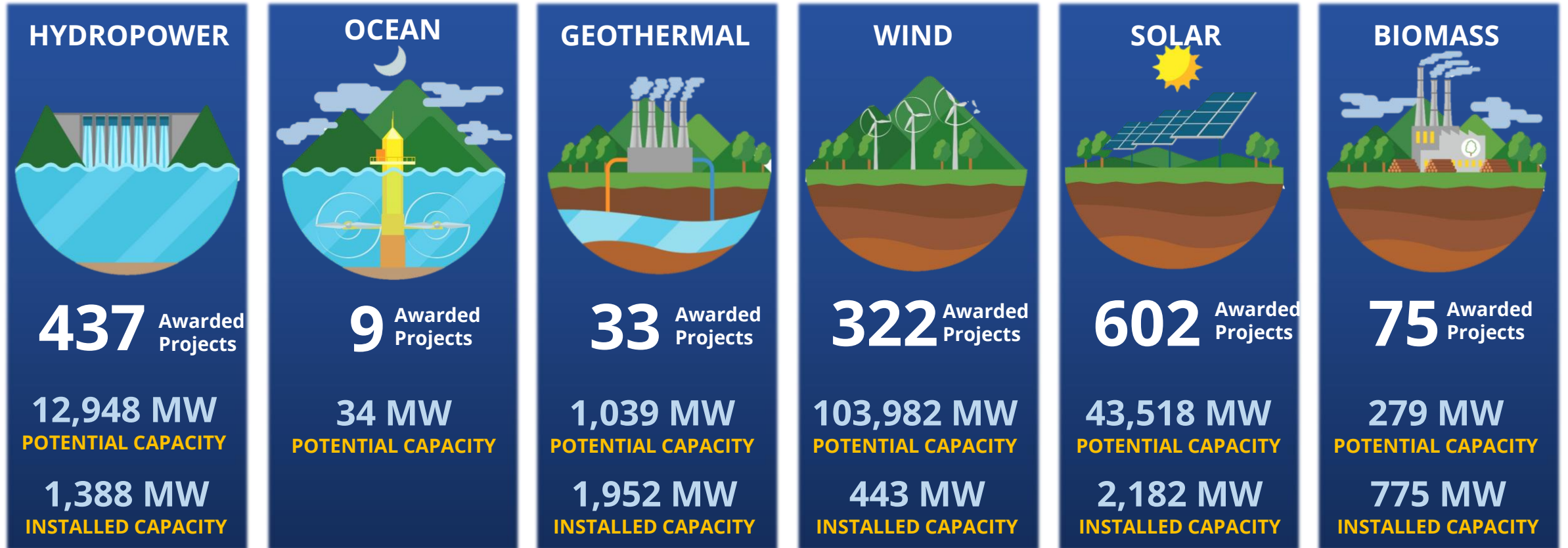
Power Generation Mix, %



Source: DOE and National Grid Corporation of the Philippines

RE Projects with Existing Contracts under RA 9513

As of November 2024



1,478

TOTAL RE CONTRACTS AWARDED

162 GW

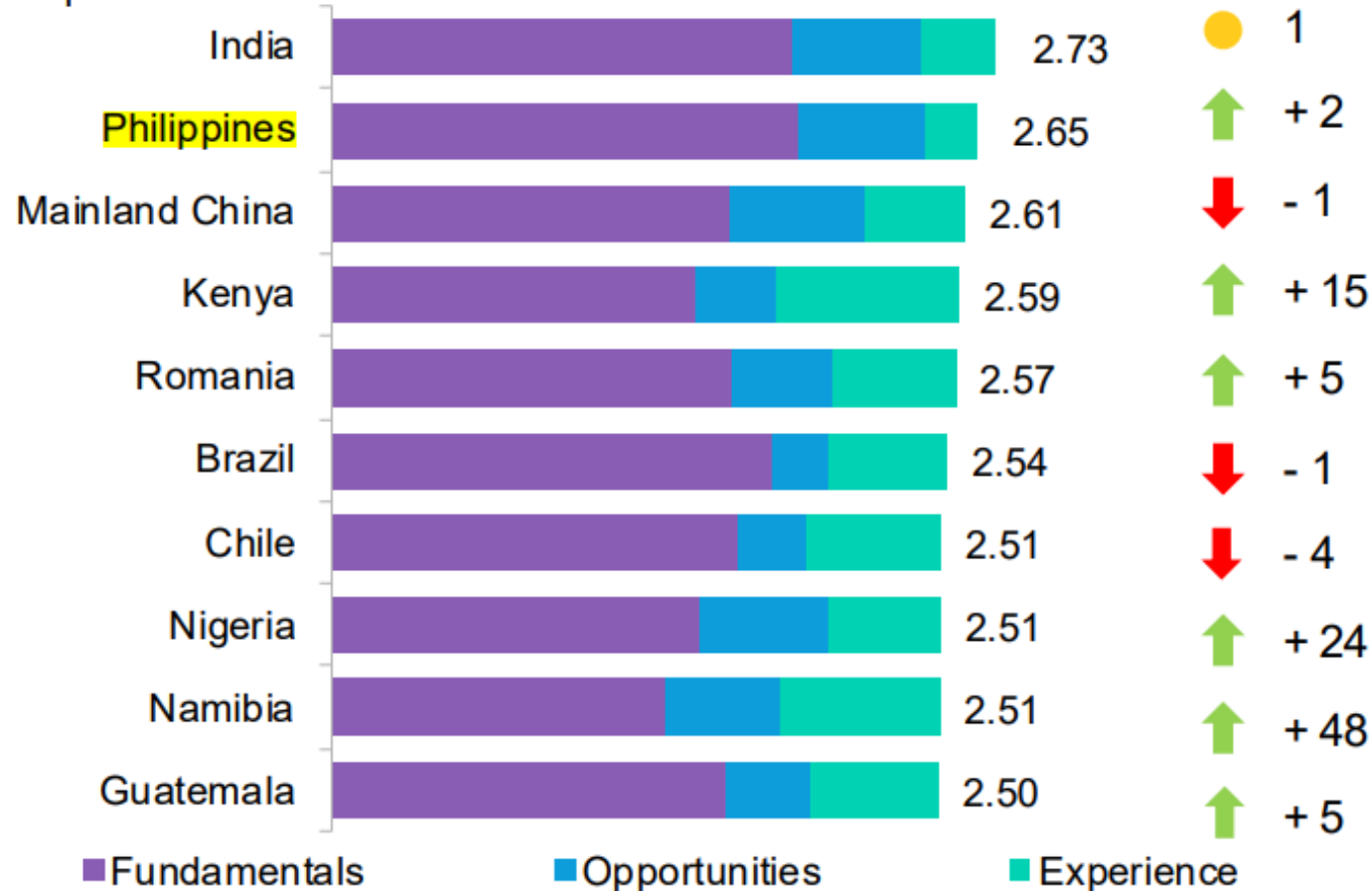
EQUIVALENT TOTAL POTENTIAL CAPACITY

6.7 GW

TOTAL INSTALLED CAPACITY

Top 10 emerging markets in the power sector, by Climatescope score

Climatescope score



**Philippines is
World's 2nd
most
attractive
emerging
market for
Renewable
Energy
investment**

Source: 2024 Climatescope Report by BloombergNEF

Revised Omnibus Guidelines

Governing the Award of RE Contracts & the Registration of RE Developers

04 June 2024

DC2024-06-0018

DOE issues new RE application guidelines for greater ease of doing business

In its ongoing effort to establish greater ease of doing business in the energy sector and to meet the country's renewable energy (RE) targets, the Department of Energy has simplified the application process for RE development.



Established for the purpose of streamlining the permitting process of power generation, transmission, and distribution projects

Energy Virtual One Stop Shop

Republic Act No. 11234



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Welcome to EVOSS

An online platform that provides a single decision-making portal for applications of permits necessary for, or related to, power generation, transmission, and distribution projects.

49.4MW Nasulo Geothermal Power Plant

Valencia, Negros Oriental



Recent updates in the
Philippine RE policies and
programs

Enabling Investments in RE



Easing Foreign Ownership Limit in RE Investments

The foreign ownership restriction that hampers the flow of RE-sector investments has been liberalized on 15 November 2022. Prior to this issuance, foreign companies were already allowed to participate in large-scale geothermal projects through Financial and Technical Assistance Agreements (FTAAs) and to operate biomass power plants in the Philippines.



Preferential Dispatch of All RE Resources in the WESM

On 05 October 2022, all RE generating units are given preference in the Wholesale Electricity Spot Market dispatch schedule to ensure its maximum output injection in the grid. This is to encourage additional investments because of guaranteed dispatch in the grid at their full available capacity, allowing recovery of investments.

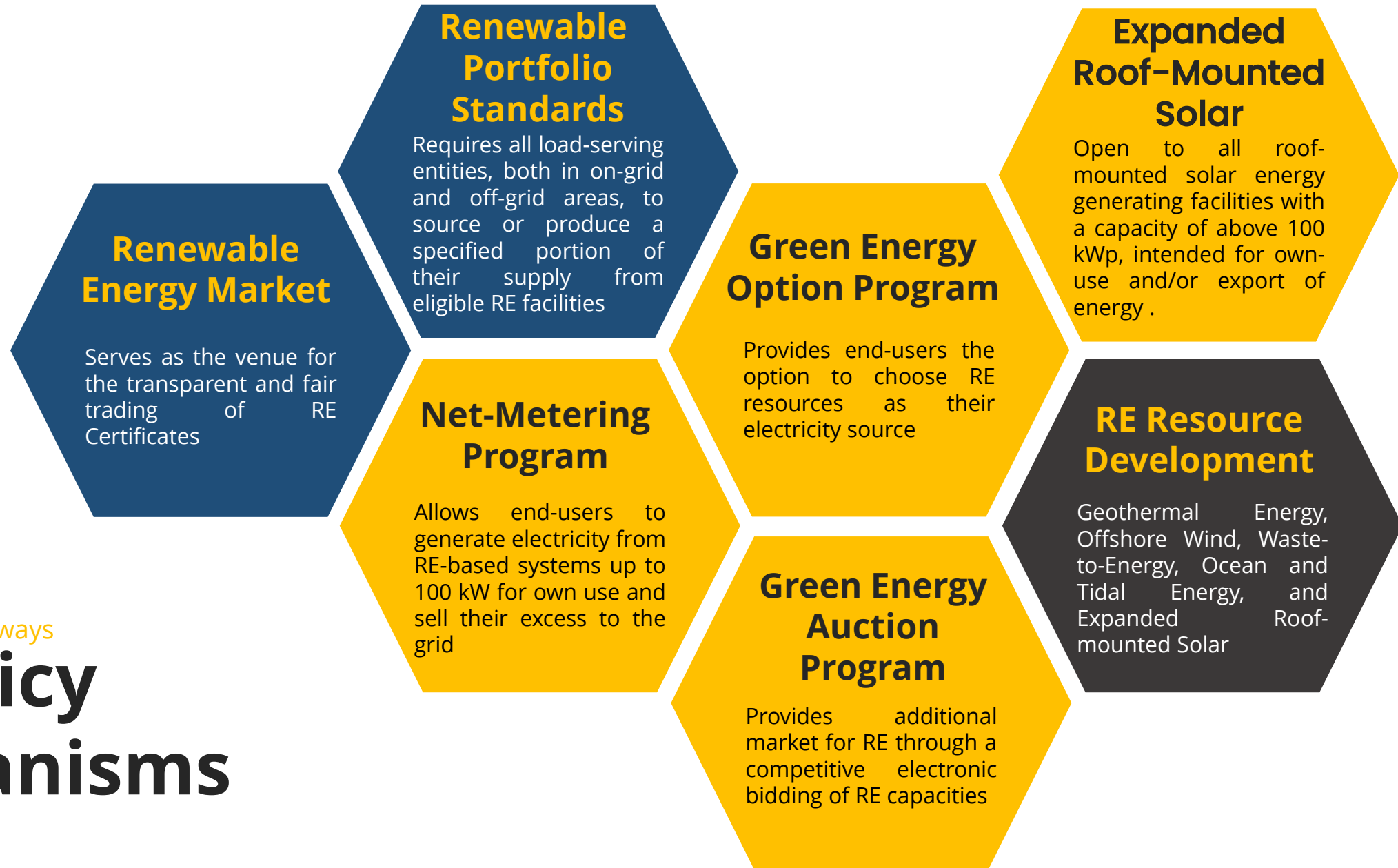


Policy Framework for Offshore Wind

Following Executive Order No. 21 issued by the President, the DOE issued Department Circular No. DC2023-06-0020 titled “Policy and Administrative Framework for the Efficient and Optimal Development of the Country’s Offshore Wind (OSW) Resources”, in 16 June 2023. Studies such as Marine Spatial Planning, Grid Readiness, and Permitting and Consenting are being undertaken to hasten the development of OSW resources.

RE Transition Pathways

RE Policy Mechanisms



Renewable Portfolio Standards

The RPS mandates load-serving entities to source a minimum percentage of RE in their respective power supply portfolios.



December 2017
DC2017-12-0015

On-Grid

Promulgation of the RPS On-Grid Rules

September 2022
DC2022-09-0030

Minimum Annual RE % Increment increased from **1% to 2.52%**

May 2023

Amended RPS On-Grid Rules
ERC to issue Regulatory Framework on the cost recovery mechanisms of Mandated Participants

May 2023

Off-Grid

Revised RPS Off-Grid Rules

December 2023

RPS Penalties

The Rules and Regulations on Administrative Actions for Violations of the RPS Rules

DC2019-12-0016

Renewable Energy Market

The REM shall serve as the venue for buying and selling RE Certificates (REC) in compliance with the RPS.

Launching of the REM Full Commercial Operation at the Diamond Hotel Residences, Makati on 12 December 2024.



17 December 2019

Launching of the Philippine Renewable Energy Market System (PREMS)

An online platform where trading participants can manage their REC accounts

04 October 2021

REM Manual

28 July 2022

Interim Commercial Operations of the REM

23 April 2024

ERC Resolution No. 08, Series of 2024

A Resolution adopting the Renewable Energy Certificate (REC) Price Cap

23 April 2024

ERC Resolution No. 12, Series of 2024

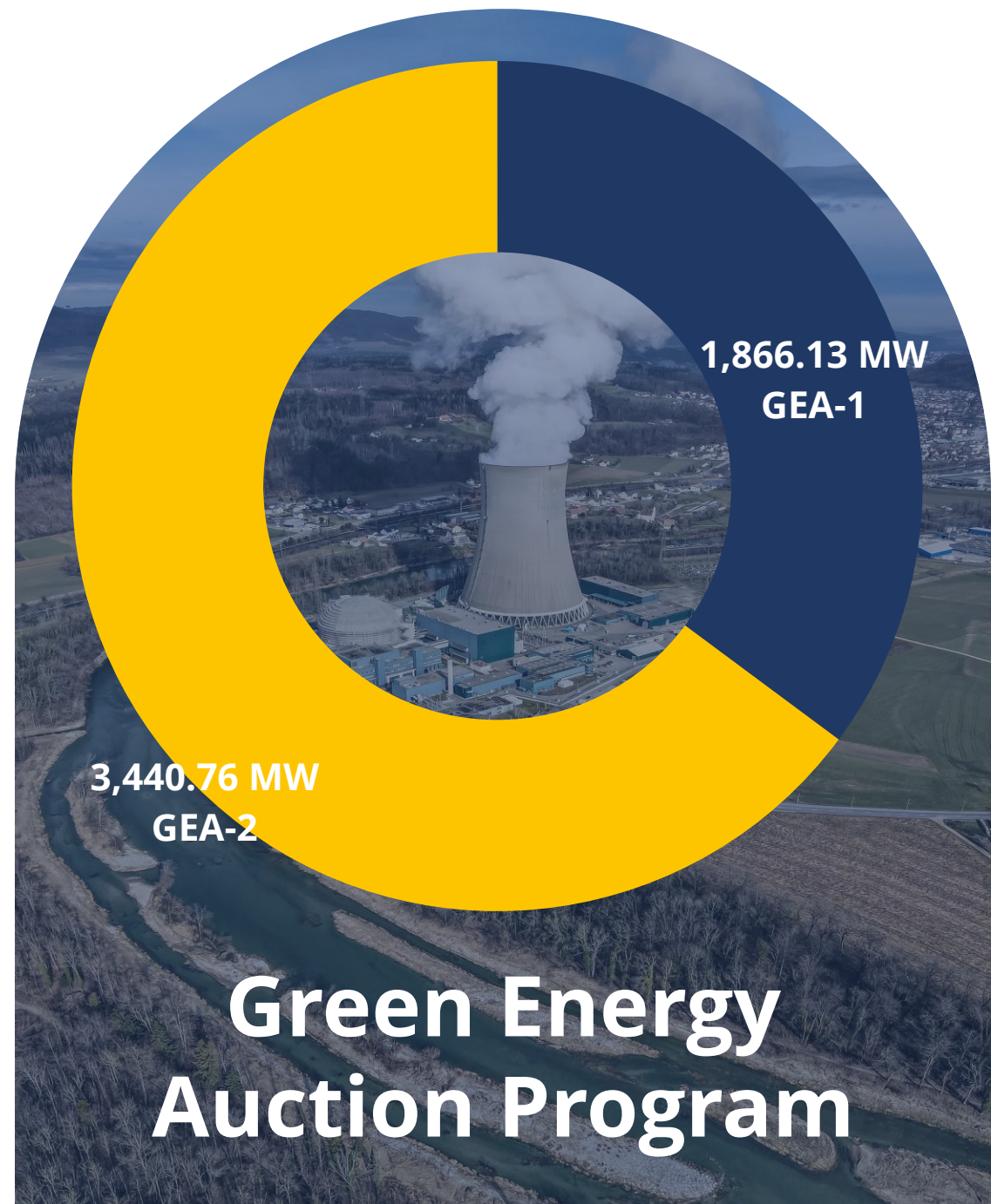
A Resolution Governing the Cost Recovery Mechanism of the On-Grid Distribution Utilities in Compliance with the Renewable Portfolio Standards

12 December 2024

Full Commercial Operations of the REM

GEA-1 17 June 2022	1,866.13
Hydro	99.15
Biomass	3.40
Ground Mounted Solar	1,490.38
Onshore Wind	273.20

GEA-2 3 July 2023	3,440.76
Ground Mounted Solar	1,878.98
Roof Mounted Solar	9.39
Floating Solar	90.00
Onshore Wind	1,462.38



Ways Forward

- **Upcoming Green Energy Auctions:**
 - ✓ **GEA 3** (*Geothermal, Pump-Storage, and Impounding and Pumped-Storage Hydro*) – February 11, 2025
 - ✓ **GEA 4** (*Integrated Renewable Energy and Energy Storage Systems (IRESS)*) – 2025
 - ✓ **GEA 5** (*Offshore Wind technology*) – 2025
- **Establishment of Voluntary Market**

As of September 2024

Green Energy Option Program

The GEOP enables end-users, with an average peak demand of 100 kW and above, to source their electricity directly from their preferred RE power suppliers.

Registered End-Users

	GEOP End-Users	Peak Demand, kW
Luzon	334	110,512.89
Visayas	89	37,368.80
Mindanao	-	-
TOTAL	423	147,881.67



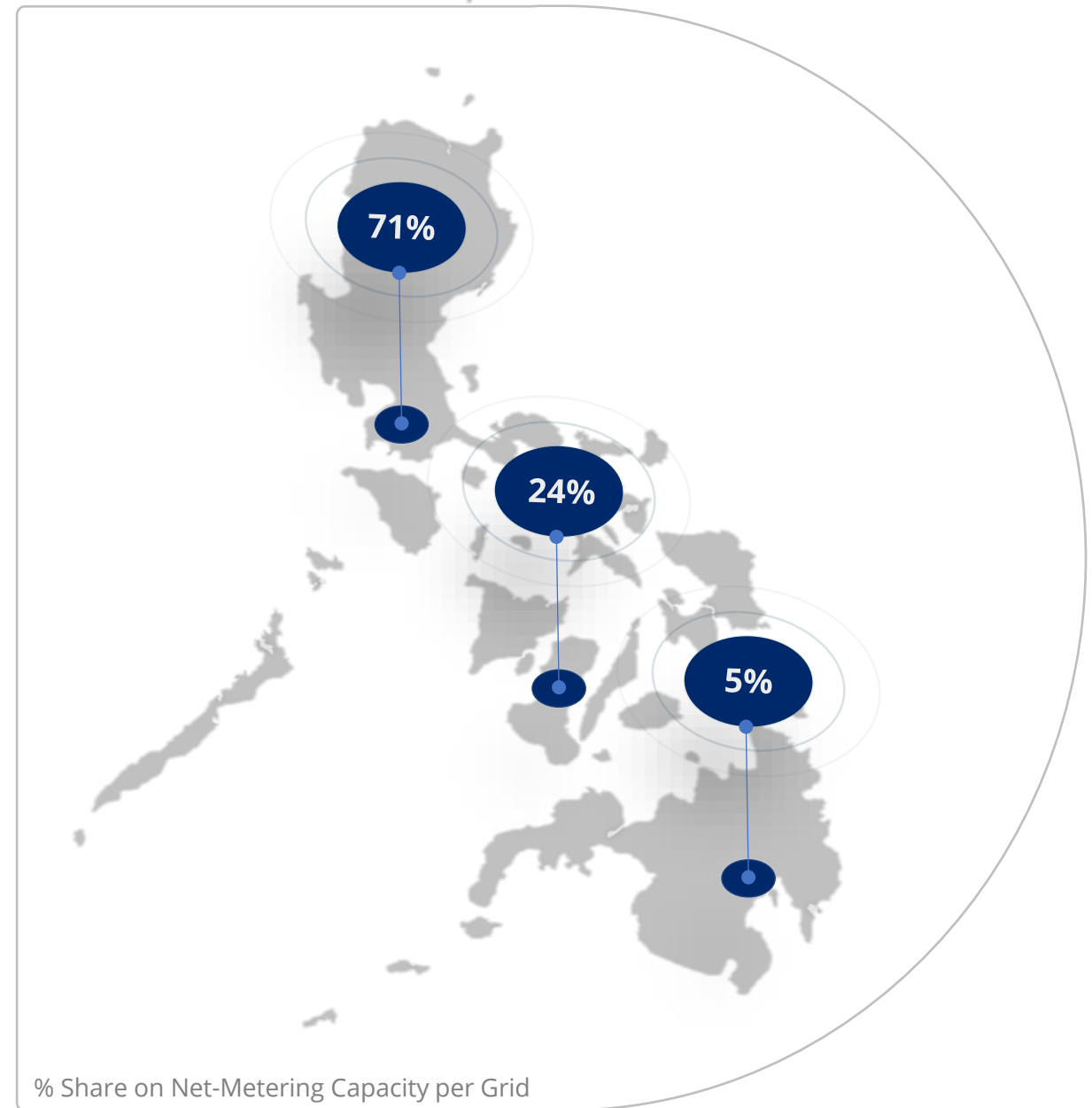
As of October 2024

Net-Metering Program

The net-metering scheme allows end-users to generate electricity from RE-based systems up to 100 kW for their own use and sell the excess to the grid. It allows end-users to be a **prosumer**.

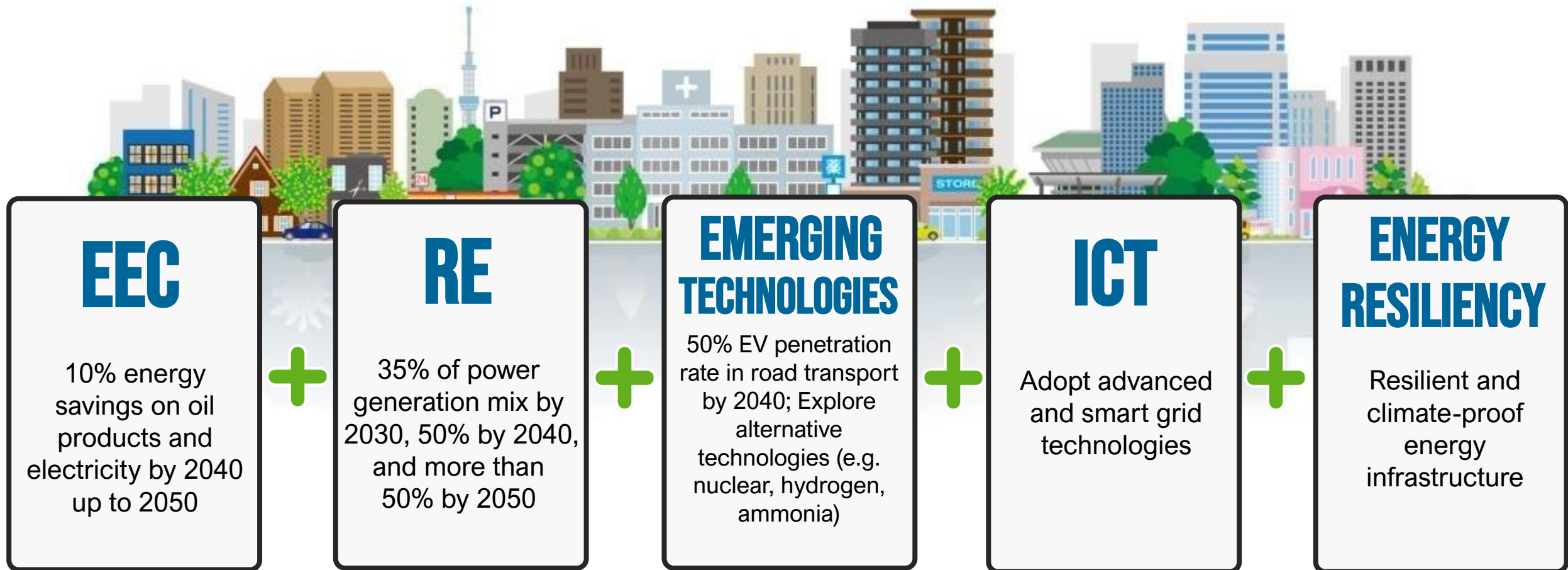
Installed Capacity

	Qualified End-Users	Capacity, kWp
Luzon	11,656	92,886.02
Visayas	2,401	32,082.76
Mindanao	628	6,797.68
TOTAL	14,685	131,766.46



% Share on Net-Metering Capacity per Grid

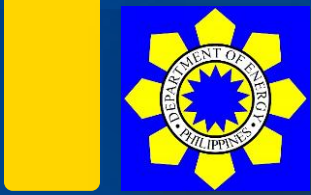
Where we are headed



PH Contribution to Global Energy Transition:

Offshore Wind Development | Rightskilling of Filipino Workforce & International Accreditation Initiative | Mining and Manufacturing of Green Materials





Thank You


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