

Long-Term Energy Scenarios (LTES) for developing National Energy Transition Plans in Asia.

Webinar series

PHILIPPINE ENERGY SECTOR

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Role of DOE

Republic Act (RA) No. 7638 (Department of Energy Act of 1992)

Prepare, integrate, coordinate supervise and control all plans, programs, projects, and activities of the Government relative to energy exploration, development, utilization, distribution, and conservation

PEP 2020-2040

Legal Basis: R.A. No. 7638 (DOE Act of 1992)

Section 5.b:

“Develop and update the existing Philippine energy program which shall provide for an integrated and comprehensive exploration, development, utilization, distribution and conservation of energy resources, with preferential bias for environment-friendly, indigenous, and low-cost sources of energy....”

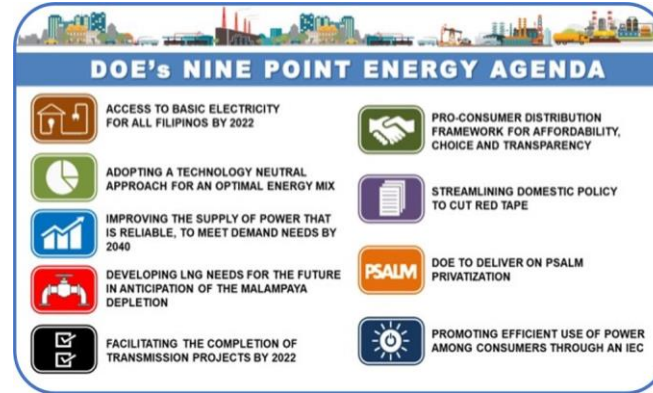
- ❑ The PEP is a comprehensive roadmap of programs and projects of the energy sector to ensure **sustainable, stable, secure, sufficient, accessible** and **reasonably-priced energy**.
- ❑ Embodies the country’s major plans and programs in consideration of energy trends and development, as well as the action agenda to respond to emerging energy challenges and issues.



POLICY FRAMEWORK



AMBISYON NATIN 2040



DOE's NINE-POINT ENERGY AGENDA



SUSTAINABLE DEVELOPMENT GOALS

The 8-Point Socioeconomic Agenda of the Marcos Administration focuses on both near-term issues...

1. Protect purchasing power of families

- Ensure food security
- Reduce transport and logistics cost
- Reduce energy cost to families

2. Reduce vulnerability and mitigate scarring from the COVID-19 pandemic

- Ensure capacity of healthcare in case of surges
- Address learning losses
- Strengthen social protection

3. Ensure sound macroeconomic fundamentals and government processes

- Enhance bureaucratic efficiency and sound fiscal management
- Ensure a resilient and innovative financial sector

...and medium-term constraints to economic transformation.

4. Create more jobs

- Promote investments
- Improve infrastructure
- Ensure energy security

5. Create quality jobs

- Increase employability
- Advance R&D and innovation
- Enhance the digital economy

6. Create green jobs

- Pursue a green and blue economy
- Establish livable and sustainable communities

7. Ensure a level playing field

8. Uphold public order and safety, peace and security

ENERGY PLANNING PROCESS



Pre-consultation with DOE Bureaus and Services, Attached Agencies, and oversight of Government Agencies

- **New Directives/Agenda/Goals setting**
- **Framing energy strategies**
- **Identification of assumptions and target indicators**
- **Updating of Sectoral Roadmaps/Catch-up Plans**

CONCEPTUALIZATION



- **Preparation of energy demand projections**
- **Assessment of energy resources and technologies**
- **Supply-Demand balancing**
- **Drafting of sectoral write-ups** to consider energy-related Development Plans
- **Consultation** with Attached Agencies and Industry Stakeholders

FORMULATION



- Revision of draft PEP
- **Secretary's Approval**
- **Publication of the PEP**
- **Transmittal to OP and Congress (on or before 15 Sept)**
- **Circulation to energy stakeholders**
- PEP IEC (includes a survey of stakeholders' satisfaction)
- **Integration of PEP with national and local development plans**
- Alignment of PEP to international frameworks such as UN Sustainable Development Goals, APEC, and ASEAN energy cooperation plans of action

FINALIZATION AND ADOPTION



- **PEP monitoring, evaluation and assessment**
- **Sectoral performance Appraisal**
 - Review of Sectoral Roadmaps
 - Assessment of Sectoral Challenges

IMPLEMENTATION REVIEW

“Sustainable Path Towards Clean Energy”

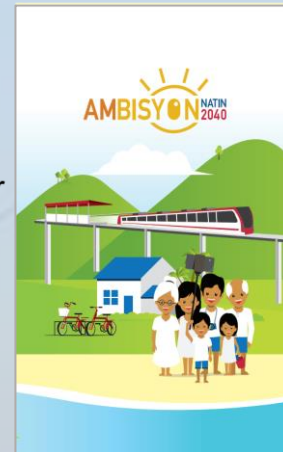


Reference Scenario
+ RE
+ EE and C
+ Other Energy Technologies
+ ICT
+ Resiliency



Clean Energy Scenario

Energy Security
Sustainable Energy
Resilient Infrastructure
Competitive Energy Sector
Smart Homes and Cities
Empowered Consumers



STRATEGIC FOCUS AREAS

SECURE AND CLEANER ENERGY

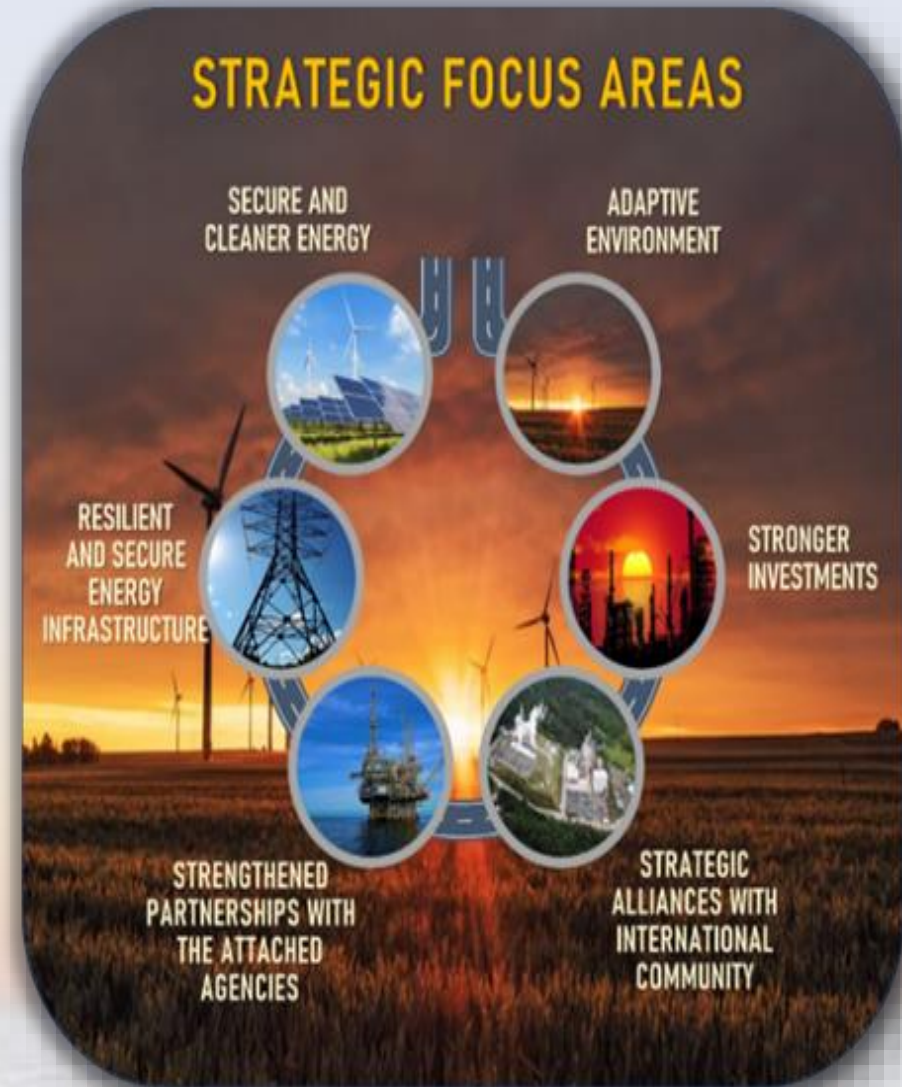
ADAPTIVE ENVIRONMENT

RESILIENT AND SECURE ENERGY INFRASTRUCTURE

STRONGER INVESTMENTS

STRENGTHENED PARTNERSHIPS WITH THE ATTACHED AGENCIES

STRATEGIC ALLIANCES WITH INTERNATIONAL COMMUNITY



RENEWABLE ENERGY PLANS AND PROGRAMS

RENEWABLE PORTFOLIO STANDARDS

Requires electricity suppliers to source an agreed Portion of their supply from eligible RE facilities

1



GREEN ENERGY AUCTION PROGRAM

Sets the framework for the facilitation of immediate and timely investment for new and additional RE capacities to ensure the provision of adequate supply under a competitive process

2



GREEN ENERGY OPTION PROGRAM

Provides end-users the option to choose RE resources as their source of energy

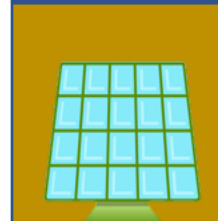
3



RE MARKET RULES

Establishes the market for the trading of RE Certificates between and among trade participants

4



OPEN AND COMPETITIVE SELECTION PROCESS

Facilitates project development by offering well-characterized RE sites to project developers

5



6

RENEWABLE ENERGY TRUST FUND

To finance research, development, demonstration, and promotion of the widespread and productive use of RE systems

7

NET-METERING PROGRAM

End-users can install up to 100-kW RE systems to reduce their electricity bills and sell the surplus to the grid

8

COMPETITIVE RE ZONES

Covers the upgrade and expansion of transmission facilities through policy initiatives and activities that shall enable the optimal use of RE in the country

9

100% FOREIGN OWNERSHIP RESTRICTIONS

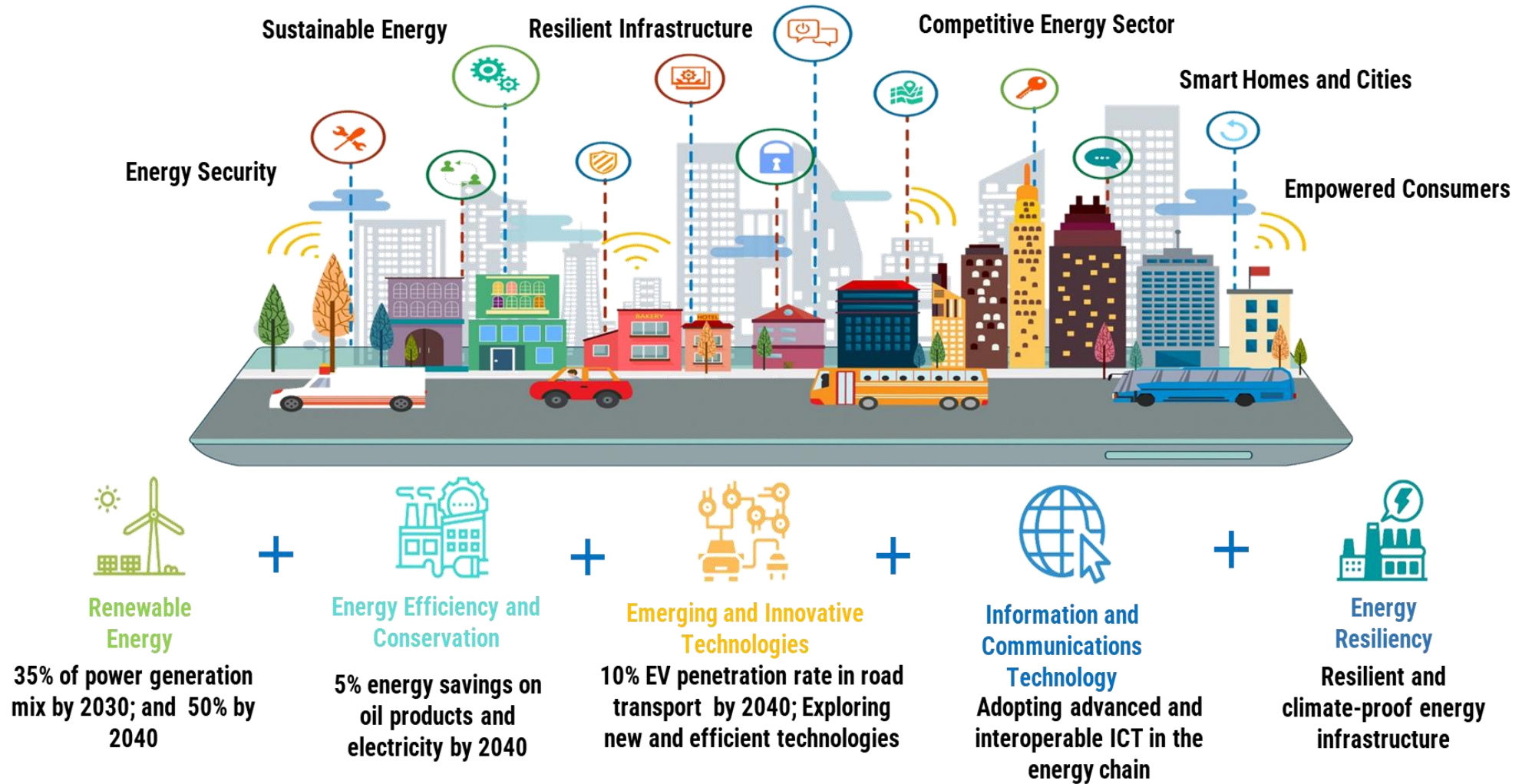
Issuance of Department Circular (DC) No. 2022-11-0034 which amends Section 19 of the RE Act's IRR

10

EXECUTIVE ORDER NO. 21 ON OFFSHORE WIND (OSW)

Issuance of Executive Order No. 21 s. 2023 incorporating the processing of OSW in the existing EVOSS System to facilitate the processing/securing of permits through various government agencies.

FUTURE ENERGY SCENARIO IN A CAPSULE



“The goal of the Philippine Energy Sector is to provide the Filipino people with energy that is both accessible and affordable.”

Power Supply Outlook 2023-2050

1

REFERENCE SCENARIO

- 35% RE Share in power generation mix by 2030
- 50% RE by 2040-2050

2

HIGH RE + NUCLEAR + COAL RETIREMENT

- 35% RE Share in power generation mix by 2030
- 50% RE by 2040
- About 60% by 2050

3

HIGH RE + NUCLEAR + COAL RETIREMENT

- About 60% RE Share in power generation mix by 2050
- Higher OSW Capacities

Thank you for your attention



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