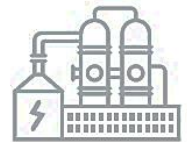


Philippines
2017-2040

Energy Efficiency and Conservation Roadmap

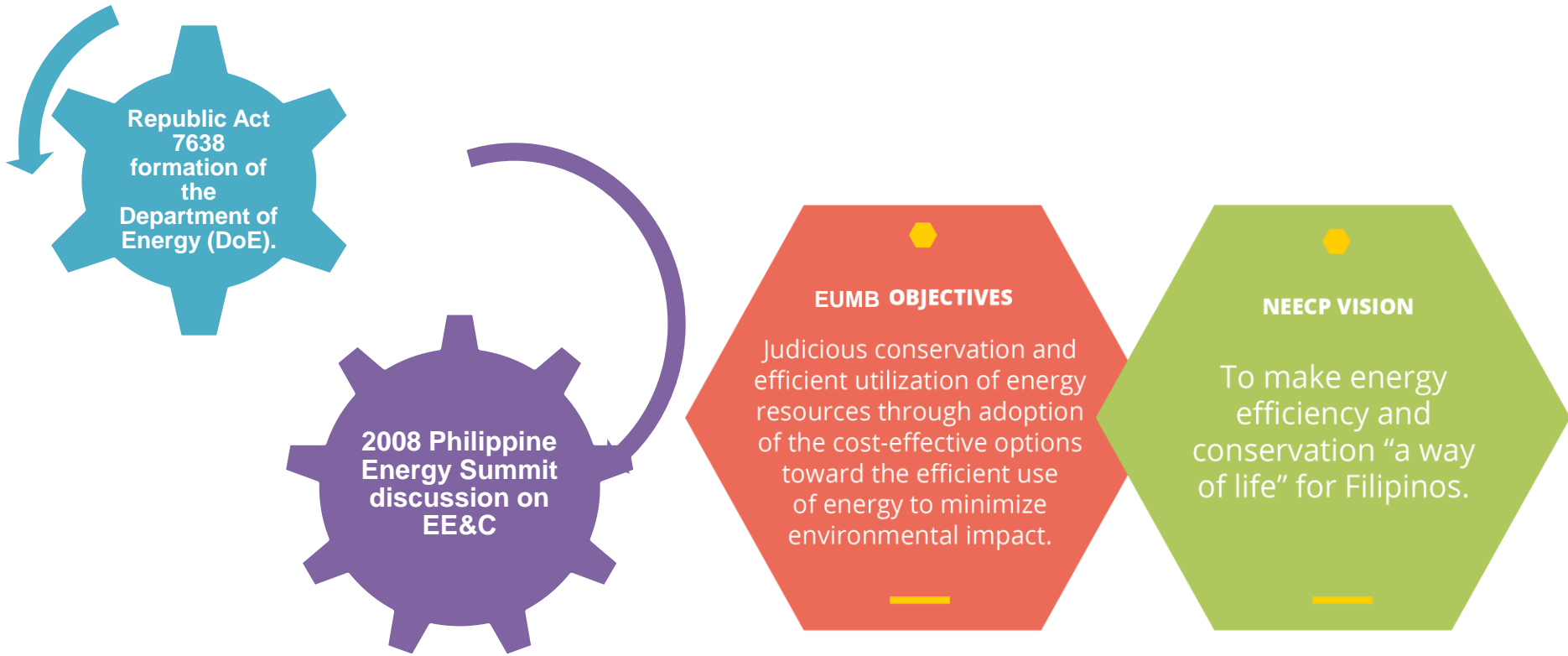


Patrick T. Aquino, CESE
Director, EUMB

Energy Consumers and Stakeholders' Conference
Date (12 July 2017)
Venue (PICC, Pasay City)

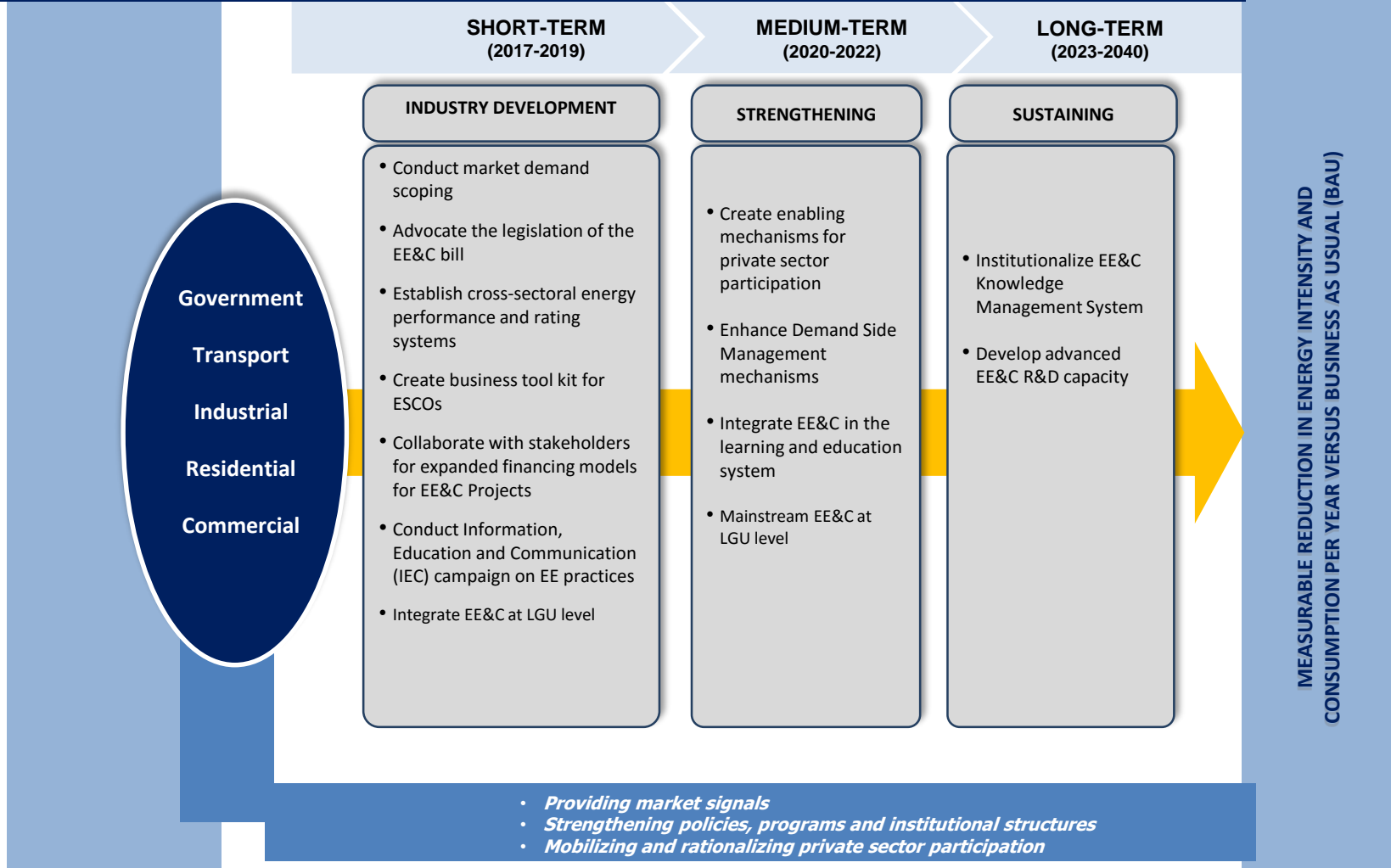


Setting the Scene



III. 2017-2040 ENERGY EFFICIENCY & CONSERVATION ROADMAP

OVERALL OBJECTIVE BY 2040



Government Priorities, Roadmap and Action Plan



Stages for Developing the Roadmap

Review

Analysis - Long Term Plans & Targets
(documentation and consultation)

Evaluation - Execution & Targets
Achieved

Foresight

Identification -
New Opportunities

Integration - Current Plans
& New Opportunities

Action Point

Setting -Targets, Milestones

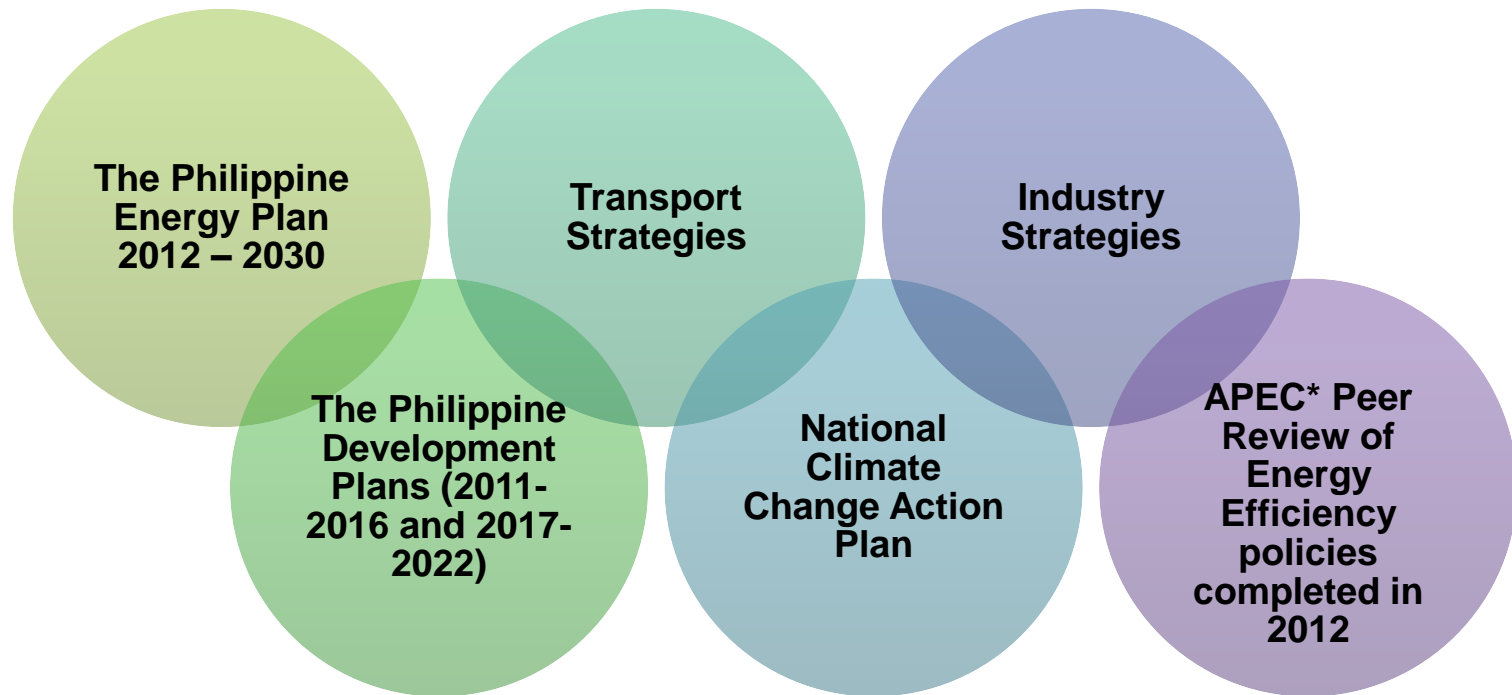
Plotting - Milestones

Ascertain - Enablers

Philippines Energy Efficiency and Conservation Roadmap 2017-2040



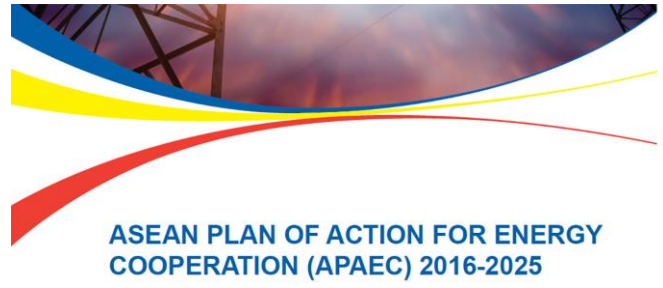
National Policy Cohesion



* *Asia-Pacific Economic Cooperation*



International Policy Cohesion



Philippines' commitments at



PARIS2015
UN CLIMATE CHANGE CONFERENCE
COP21-CMP11

Policy Instruments



Regulatory instruments

Laws, regulations, administrative orders, circulars, guidelines



Information instruments

Information resources, communication campaigns, dissemination platforms, public information activities



Economic instruments

Loans, taxes, incentives, subsidies, grants, awards, commercial funding



Partnership instruments

Networks, partnerships, platforms, stakeholder forum



Hybrid instruments

Pilot projects, programs

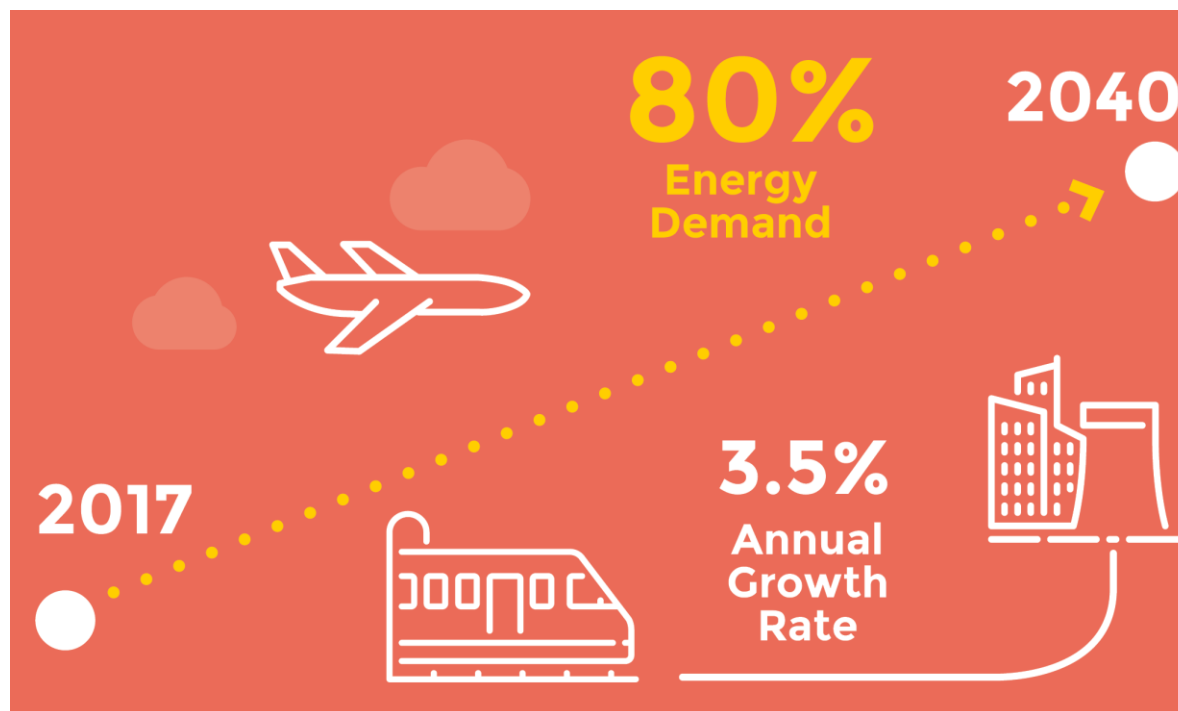


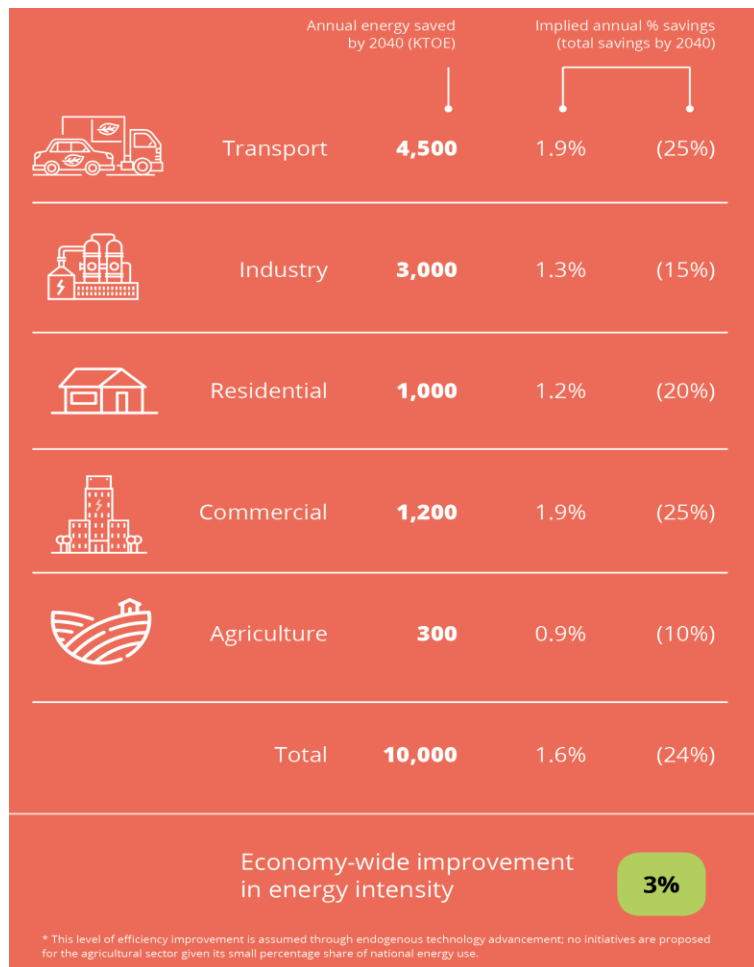
Education instruments

Curricula, guidelines, teacher training, school programs, industry training, capacity building



Challenges for an Energy-Efficient Philippines





Roadmap: Economy-wide and Sectoral Targets



Philippines Energy Efficiency Roadmap, 2017- 2040

Roadmap Objectives:

To support the country's economic development through efficiency gains and ensure energy security with a reduction in energy intensity across key economic sectors.

Drivers

- Sending market signals to provide incentives for EE
- Strengthening existing policy, advocacy, programs and institutional structures
- Harnessing private sector /partner finance
- Enabling innovation and new technologies

Sectoral Strategies



Transport

Short Term (2017-20)

- Minimum Fuel Efficiency Ratings developed
- Risk management on vehicle conversion, e-vehicle programs
- Re-formulated coordination mechanisms

Medium Term (2021-30)

- Financial incentives for EE through vehicle taxes
- Promotion of key vehicle technologies
- Driver education and fleet management programs

Long Term (2031-40)

- EE programs beyond road transport (passenger and cargo ships, aviation fuels)
- Reintegration of urban planning and transport energy use
- Congestion taxes



Industry

- Develop sectoral programs for EE in energy intensive industries
- Minimum Energy Performance (MEP) for motors, and other industrial devices
- Reporting by designated energy consumers

- Update MEP for industrial devices
- Implement demand side management programs
- Review of energy pricing
- Enhanced reporting & management for designated energy consumers

- Review inward investment rules for EE to remove distortions



Philippines Energy Efficiency Roadmap, 2017- 2040




Roadmap Objectives:

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Drivers

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Sectoral Strategies

	Short Term (2017-20)	Medium Term (2021-30)	Long Term (2031-40)
 <p>Residential Buildings</p>	<ul style="list-style-type: none"> • Minimum Energy Performance for appliances • Building envelope measures – cool roofs and insulation 	<ul style="list-style-type: none"> • Develop role of utilities as key implementation partners and information providers • Specific EE programs for low-income households 	<ul style="list-style-type: none"> • Towards energy efficient housing precincts • Inclusion of EE measures in residential Building Code
 <p>Commercial Buildings</p>	<ul style="list-style-type: none"> • Reformulate group to oversee EE measures in Building Code • Retro-commissioning program for existing buildings • Benchmarking and ratings for building information & reporting 	<ul style="list-style-type: none"> • EE measures for inclusion in national and regional building codes • Enhance benchmarking and ratings 	<ul style="list-style-type: none"> • Incentive funds in place for EE, including private financiers • Mandatory disclosure of commercial building energy intensity
 <p>Cross-Sectoral</p>	<ul style="list-style-type: none"> • Support passage of Enercon Bill • Establish EE database, data collection regime, M&E framework • Stronger coordination with local government and private sector • Information & education campaigns 	<ul style="list-style-type: none"> • National strategy for efficiency in power supply sector • Establish enforcement regimes • Enhanced reporting and monitoring 	<ul style="list-style-type: none"> • Enhanced institutional arrangements • Enhanced predecessor activities



Thank You!



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