

DOE E-Power Mo: "Empowering Filipinos through Informed Energy Plans and Policies"
9 October 2018
Grand Xing Imperial Hotel, Iloilo City

ASST. DIR. CARMENCITA A. BARISO, CESO IV

Energy Policy and Planning Bureau



Legal Basis

Republic Act 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....

Policy Framework



AMBISYON NATIN 2040:

"A strongly-rooted, comfortable and secure life for all Filipinos"



DUTERTENOMICS: "Build Build Build"



ENERGY PLANS AND POLICIES





ROADMAPS AND

ACTION PLANS



EXPAND ENERGY

ACCESS













CONCEPTUALIZATION



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





and target indicators

Updating of Sectoral Roadmaps / Catch-up Plans





POLICY AND PLAN

IMPLEMENTATION

Sectoral performance Appraisal

- Review of Sectoral Roadmaps
- Assessment of Sectoral Challenges





Adoption

Adoption of PEP with

national and local

development plans.

FINALIZATION and Dissemination of Plan



Revision of draft PEP



Secretary's Approval



Publication of the PEP



PEP IEC (includes survey of stakeholders' satisfaction)



Transmittal to OP and Congress



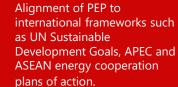
Circulation to energy stakeholders







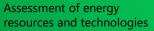


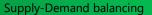


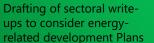


FORMULATION

Preparation of energy demand projections



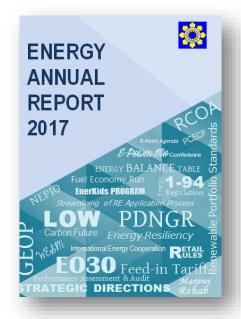


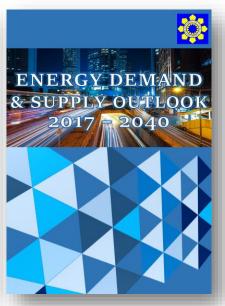


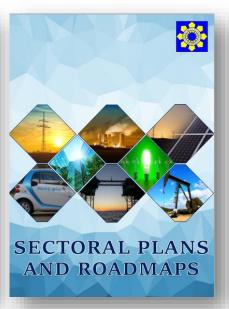


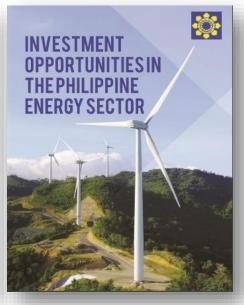
Consultation with Attached Agencies and Industry Stakeholders

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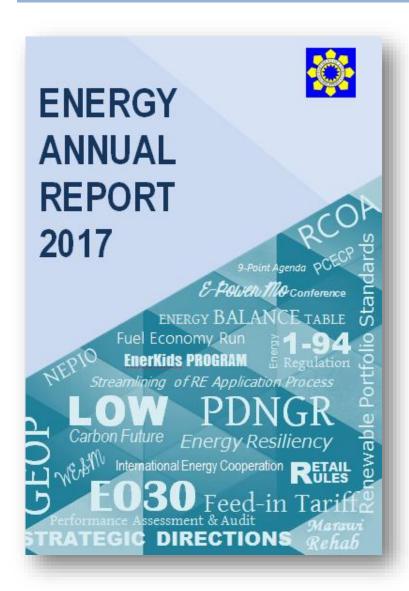
PLANS & ROADMAPS

Sectoral Plans and Roadmaps



OPPORTUNITIES

Investment
Opportunities in the
Philippine Energy
Sector



- Outlines the major accomplishments of the DOE and its attached agencies for 2017 in its mission to steer the country closer towards sustainable prosperity and security
- Published in January 2018

Energy Annual Report 2017

E.O. No. 30

Policy on Resiliency Planning & Program

Phil. Natural Gas Regulation

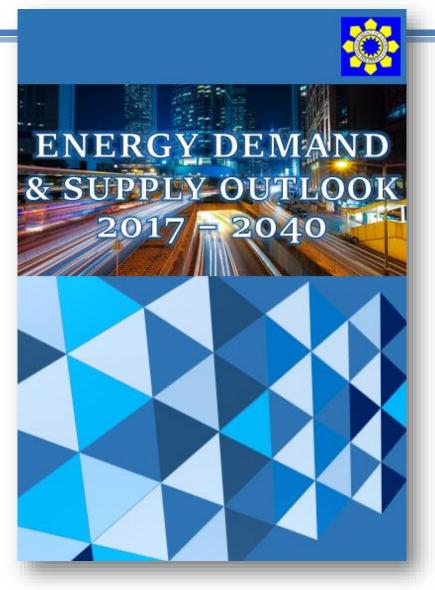
WESM in Mindanao

POLICIES FORMULATED/ ISSUED IN 2017 **Streamlining of the RE Application Process**

Retail Rules

RPS / GEOP

IMO / RCOA / CSP



- Projects the energy supply and demand for the country until 2040
- Considers the targets and assumptions of the energy sector to promote the use of environmentfriendly and benign energy sources, efficient technologies while accounting for new and existing policy programs and measures within the energy sector as well as the impacts of each end-use economic targets and roadmaps

2017 Total Final Energy Consumption

By Fuel

By Sector







Electricity – 19.7%



Coal - 8.8%



Oil - 48.8%



Natural Gas - 0.2%



Biofuels - 1.5%



Biomass - 21.0%



Agriculture, Fishery and Forestry – 1.5%



Industry – 23.3%



Transport – 35.5%



Residential – 26.7%





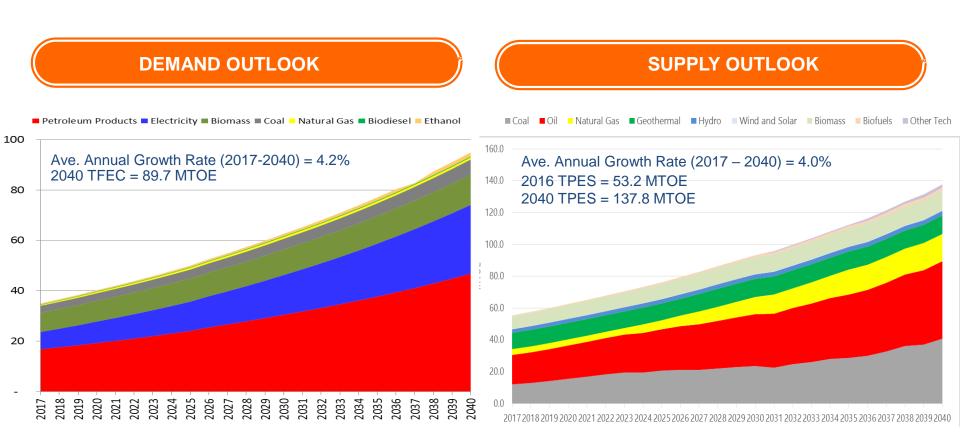
Commercial - 13.0%

^{*} Preliminary as of 24 April 2018 ** Excludes non-energy used

Department of Energy

Empowering the Filipino

Energy Demand and Supply Outlook 2017 - 2040 (in MTOE)



2017 Total Primary Energy Supply









TOTAL

ENERGY MIX

26.7%

5.6%

33.7%

33.9%

57.9MTOE

INDIGENOUS

IMPORTED







SOURCE

50.9%

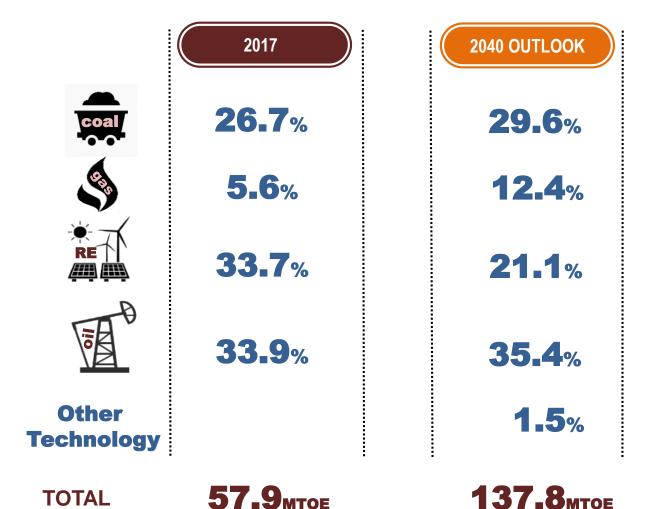
49.1%

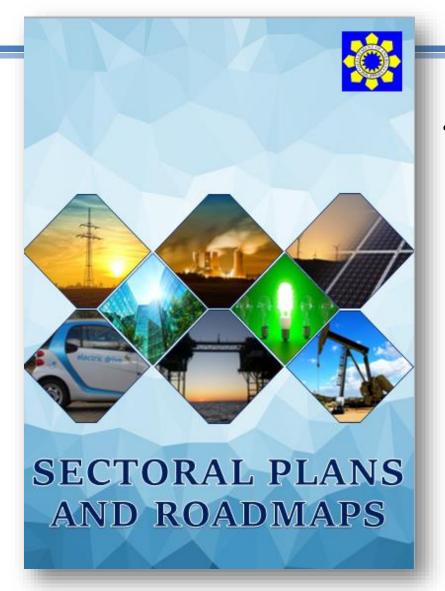
32.9%

15.8%

0.4%

Total Primary Energy Supply, 2017 and 2040





 Provides a brief overview of the energy sector and its targets for the short, medium and long term to achieve the overall sectoral goals in 2040 as well as the DOE's plans and programs for its successful implementation

Chapters

- Executive Summary
- Renewable Energy for a Clean Energy Future
- Harnessing Conventional Fuels
- Advocating Infrastructure Development in the Downstream Sector
- Promoting Emerging Energy Technologies
- Empowering the Filipino
- Total Electrification by 2020
- Making Energy Efficiency a Way of Life
- Addressing the Environmental Impacts of Climate Change
- Gearing Towards Energy Resilient Communities
- Fostering Stronger International Relations and Partnerships
- Enabling the Energy Sector's Legislative Agenda



Increase RE installed capacity to at least 20,000 MW



Increase indigenous petroleum reserves to 57.12 MMB oil, 5.87 TCF gas and 56.81 MMB condensate;

Produce 115.37 MMB oil, 4.04 TCF gas and 45.93 MMB condensate



Increase indigenous coal reserves to 766 MMMT and 282 MMMT production



Improved policy governing the downstream oil industry to ensure continuous supply of high quality and right quantity of petroleum products in the market



Establish a world-class, investment driven and efficient natural gas industry that makes natural gas the preferred fuel by all end-use sectors



Ensure quality, reliable, affordable and secure supply; Expand access to electricity;

Ensure a transparent and fair playing field in the power industry



Ensure secured and stable supply of energy through technology responsive energy sector



Measurable reduction in energy intensity and consumption per year versus business as usual



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Ensure secured and stable supply of energy through technology responsive energy sector



Increase in number of connections or households with access to electricity thru the Total Electrification Program (TEP)

- Micro-grid
- Distributed generation

Climate Change Mitigation



Integration

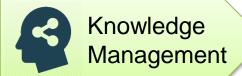
 Integration of mitigation measures to energy policies, plans and strategies including laws and regulations



 Development of guidelines on accounting and reporting of emissions and emission reduction including capacity-building in the establishment of reporting forms and database.



 Implementation of emission reduction programs and projects

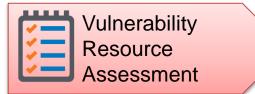


 Sharing and dissemination of knowledge, research and best practices on mitigation



 Development and adoption of sustainable financing mechanisms

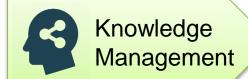
Climate Change Adaptation



 Conduct of impact and vulnerability assessment of the energy systems and infrastructure.



 Institutionalization of an energy resiliency policy that will undertake measures including integration of structural adaptations into the design of energy infrastructure and structural design strengthening implementation of infrastructure reinforcement measures.



 Sharing and dissemination of knowledge, research and best practices on adaptation

Legislative Agenda



EO 30

Creation of the Energy Investment Coordinating Council

✓ Declared Mindanao-Visayas Interconnection Project as Energy Project of National Significance



DC 2018-01-0001

Energy Resiliency in the Planning and Programming of the Energy Sector

✓ Signed a MOA with PHIVOLCS on the Rapid Earthquake Damage Assessment System or REDAS



DC 2018-05-0014

Task Force to Ensure Adequate and Reliable Energy Supply Before, During and After Elections

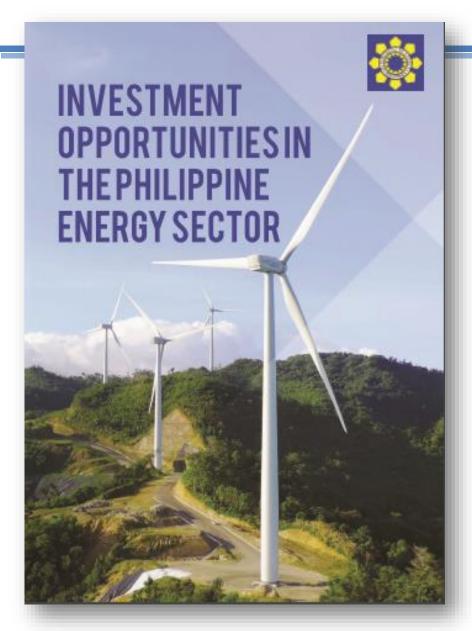
✓ Direct the full cooperation of power suppliers and service providers (DUs, PIOUs, ECs, LGU and power generation companies)



National Position on Nuclear Energy

Declaration that the Philippines is open to nuclear power and ready to embark on a Nuclear Power Program

- ✓ Certify legislation for Comprehensive Nuclear Law or any equivalent law
- ✓ Issue an Executive Order to expand the composition of the NEPIO to include other relevant government agencies, academe and representatives from private sector



 Supportive of President Duterte's socio-economic policy of "Build, Build " moving towards the speedy development and implementation of infrastructure to increase the country's global competitiveness.



Source: https://www.pv-tech.org/news/president-duterte-inaugurates-expanded-800mw-philippines-solar-module-fact

 Investment Opportunities in Micro-grid and standalone solar household systems for total electrification of existing unserved and underserved households and communities nationwide by 2020.

Thank You!



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