

Country Presentation **PHILIPPINES**

Knowledge Co-Creation Program on Energy Policy (B)

DESIREE JOY C. SOLIS

DEPARTMENT OF ENERGY

Republic of the Philippines



Presentation Outline

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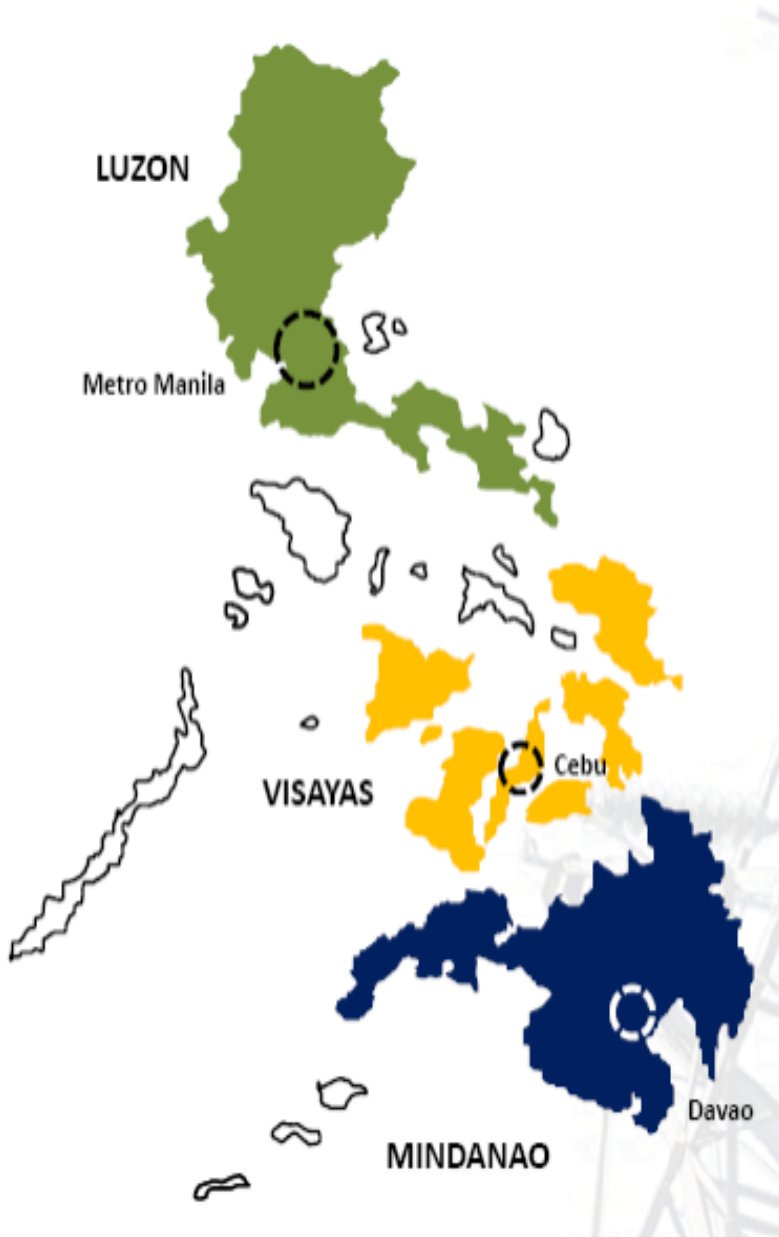
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Energy Situationer / Outlook

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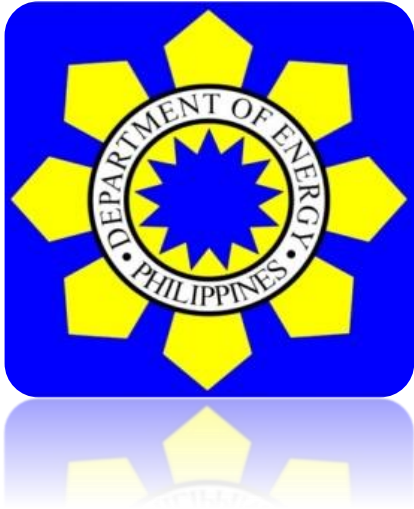
Challenges in the Energy Sector

General Information on the Philippines



- **Location: South East Asia**
- **Land Area: 299,404 sq. kms**
- **Seasons: 2 (dry and wet)**
- **Language: Tagalog**
- **Capital: Manila**
- **Composition: 7,107 islands (with 3 major islands – Luzon, Visayas and Mindanao))**
- **Population: 103M as of 2016**
- **Pop. Rate: 1.5%**
- **GDP: US\$400B**
- **GDP growth: 6.8% (1Q 2018)**

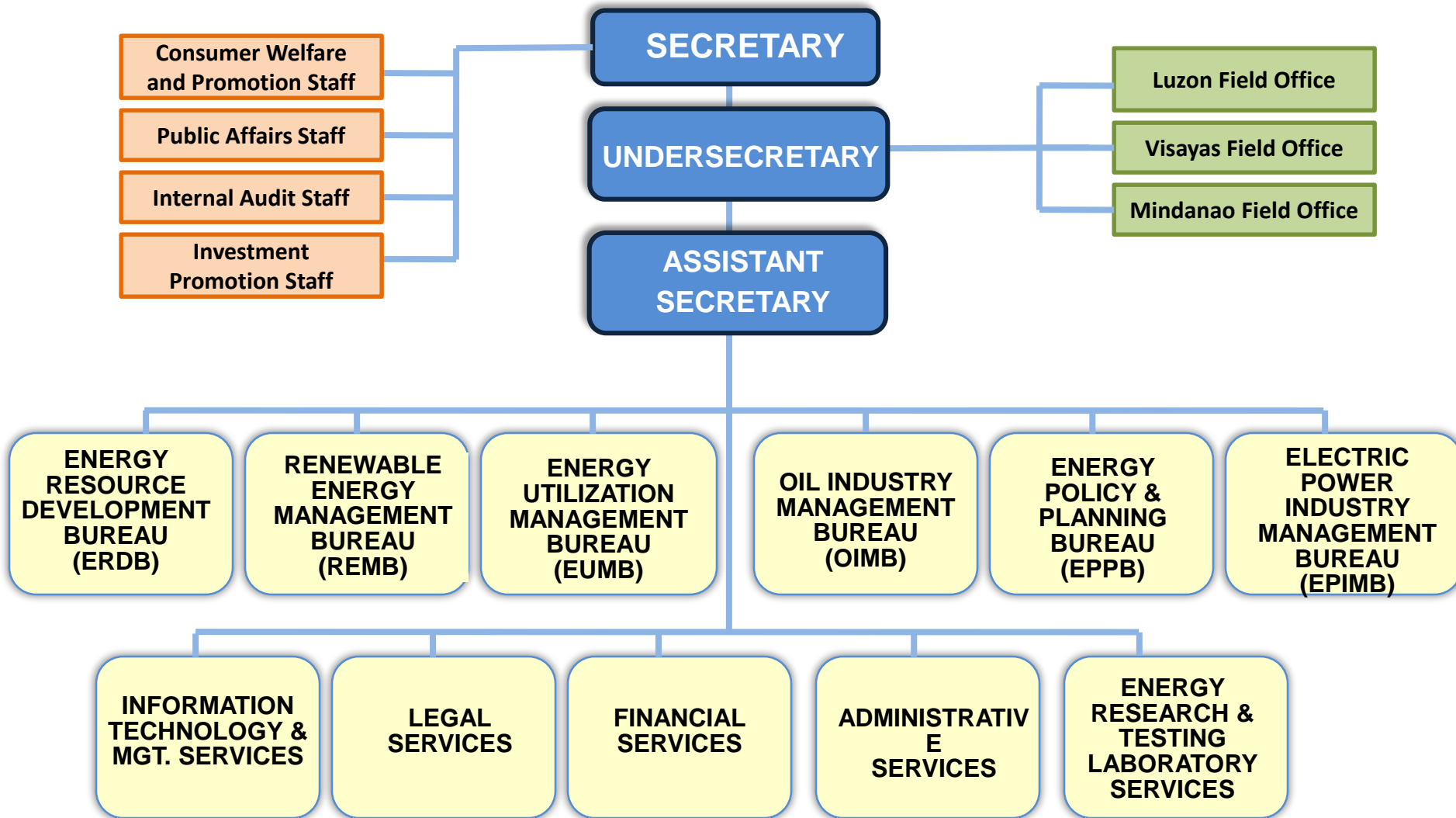
The Department of Energy



The Department is mandated by **Republic Act No. 7638 (Department of Energy Act of 1992)** to prepare, integrate, coordinate, supervise and control all plans, programs, projects and activities of the Government relative to energy exploration, development, utilization, distribution and conservation.



Organizational Structure



Policy Framework



VISION 2040:

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

DUTERTENOMICS: *“Build Build Build”*

Philippine Energy Plan

(and other relevant plans and policies)

ENERGY SECTOR STRATEGIC DIRECTIONS

1 ENSURE ENERGY SECURITY



2 EXPAND ENERGY ACCESS



3 PROMOTE A LOW CARBON FUTURE



4 STRENGTHEN COLLABORATION AMONG ALL GOV'T. AGENCIES INVOLVED IN ENERGY



5 IMPLEMENT, MONITOR AND INTEGRATE ROADMAPS AND ACTION PLANS



6 ADVOCATE THE PASSAGE OF THE DEPARTMENT'S LEGISLATIVE AGENDA



7 STRENGTHEN CONSUMER WELFARE AND PROTECTION

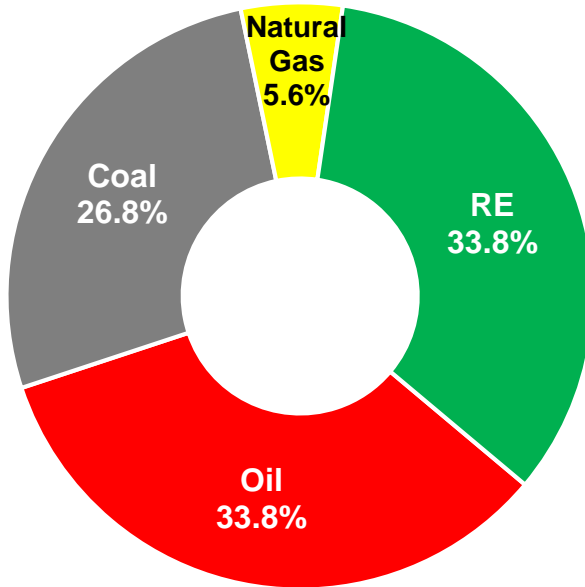


8 FOSTER STRONGER INTERNATIONAL RELATIONS AND PARTNERSHIPS

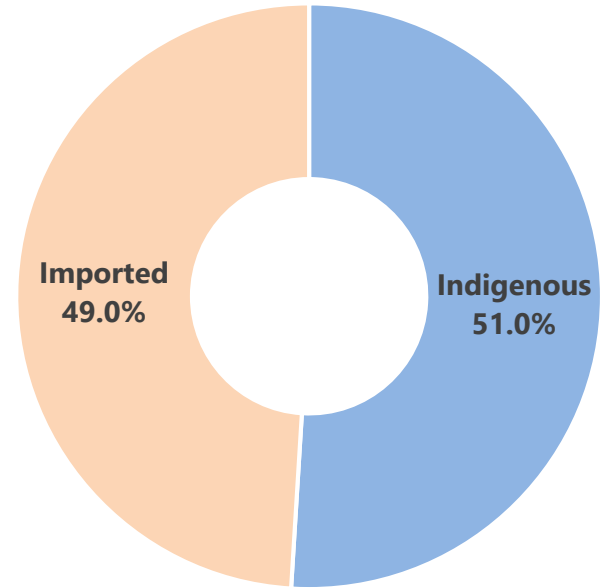


Primary Energy Supply (2017)

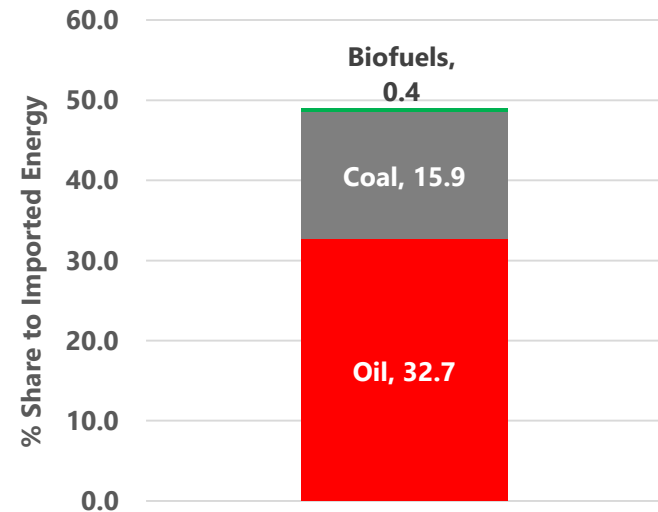
By Fuel



By Source

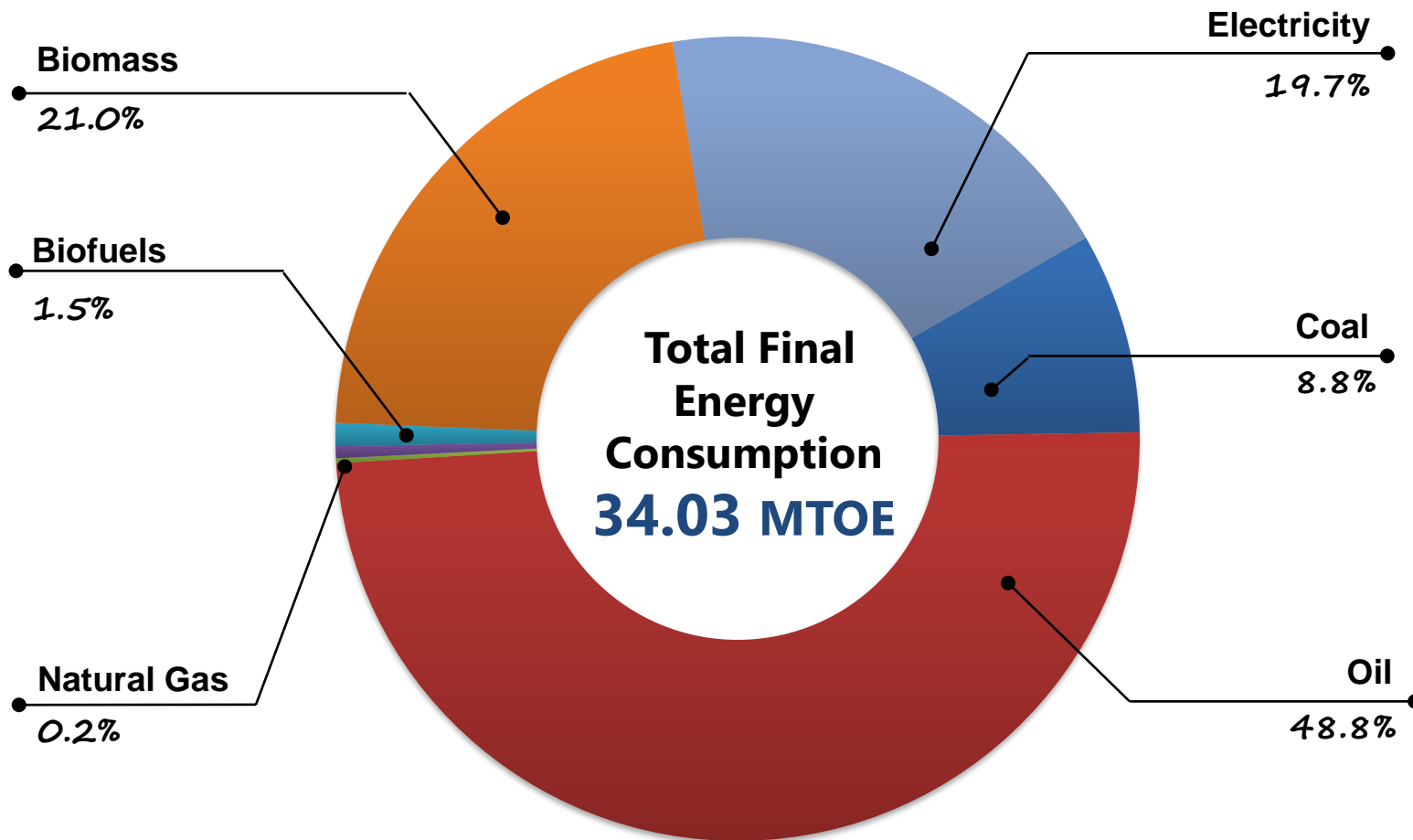


Imported Energy



Total Energy	57.71 MTOE
Self-Sufficiency	51.0%
Renewable Energy (RE)	33.8%
Clean Energy (RE + NAT GAS)	39.4%

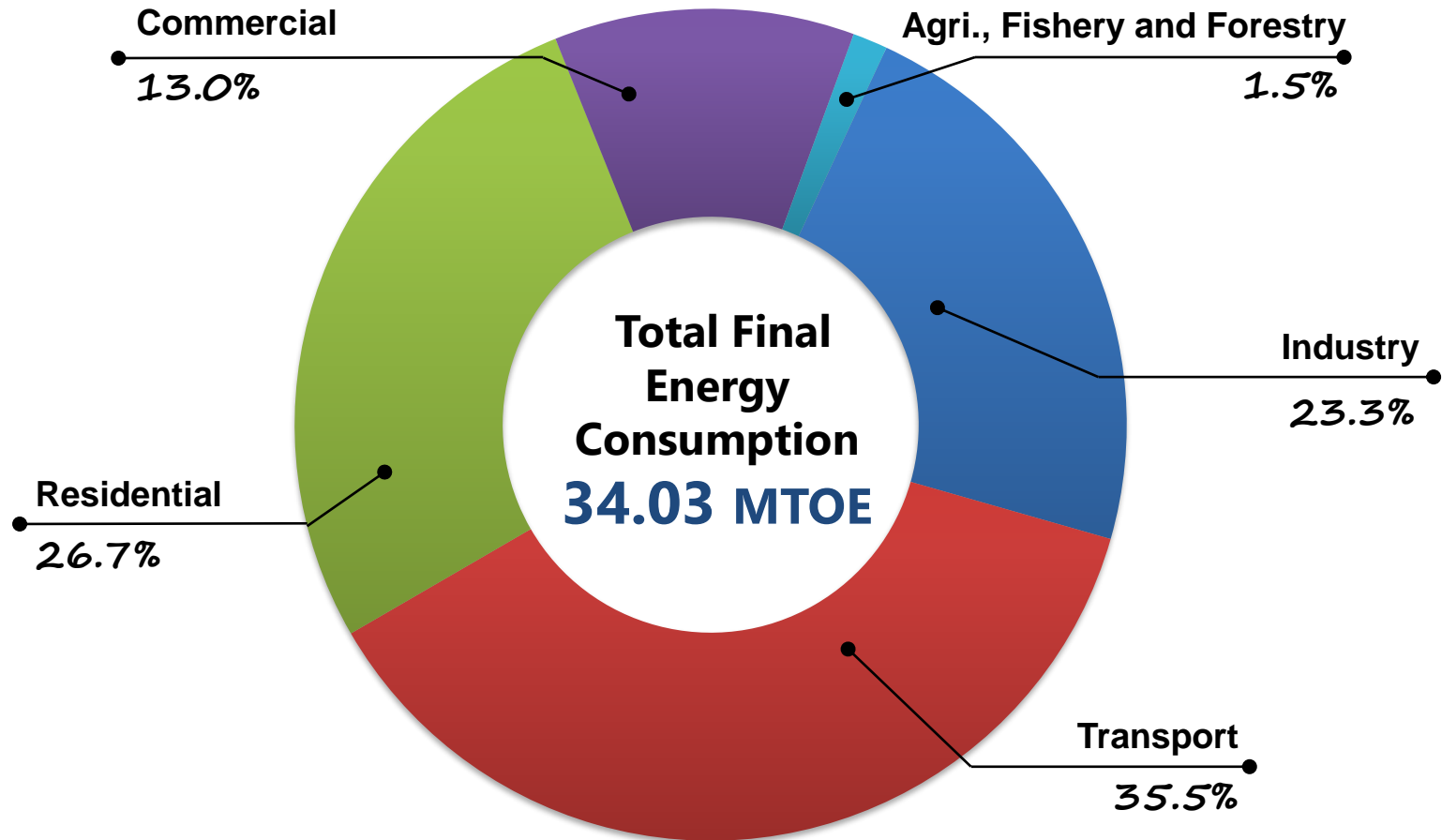
Total Final Energy Consumption by Fuel (2017)



* Preliminary as of 24 April 2018

** Excludes non-energy used

Total Final Energy Consumption by Sector (2017)

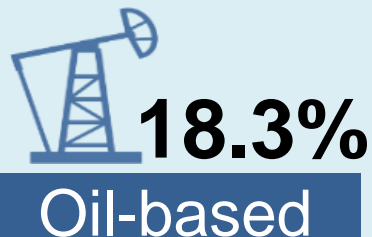
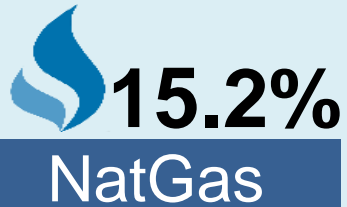


* Preliminary as of 24 April 2018

** Excludes non-energy used

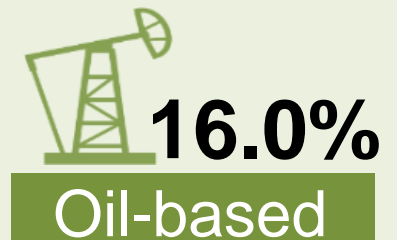
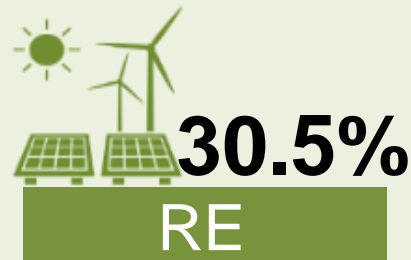
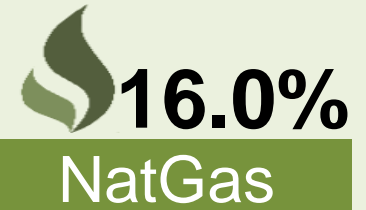
Capacity Mix (2017)

INSTALLED CAPACITY



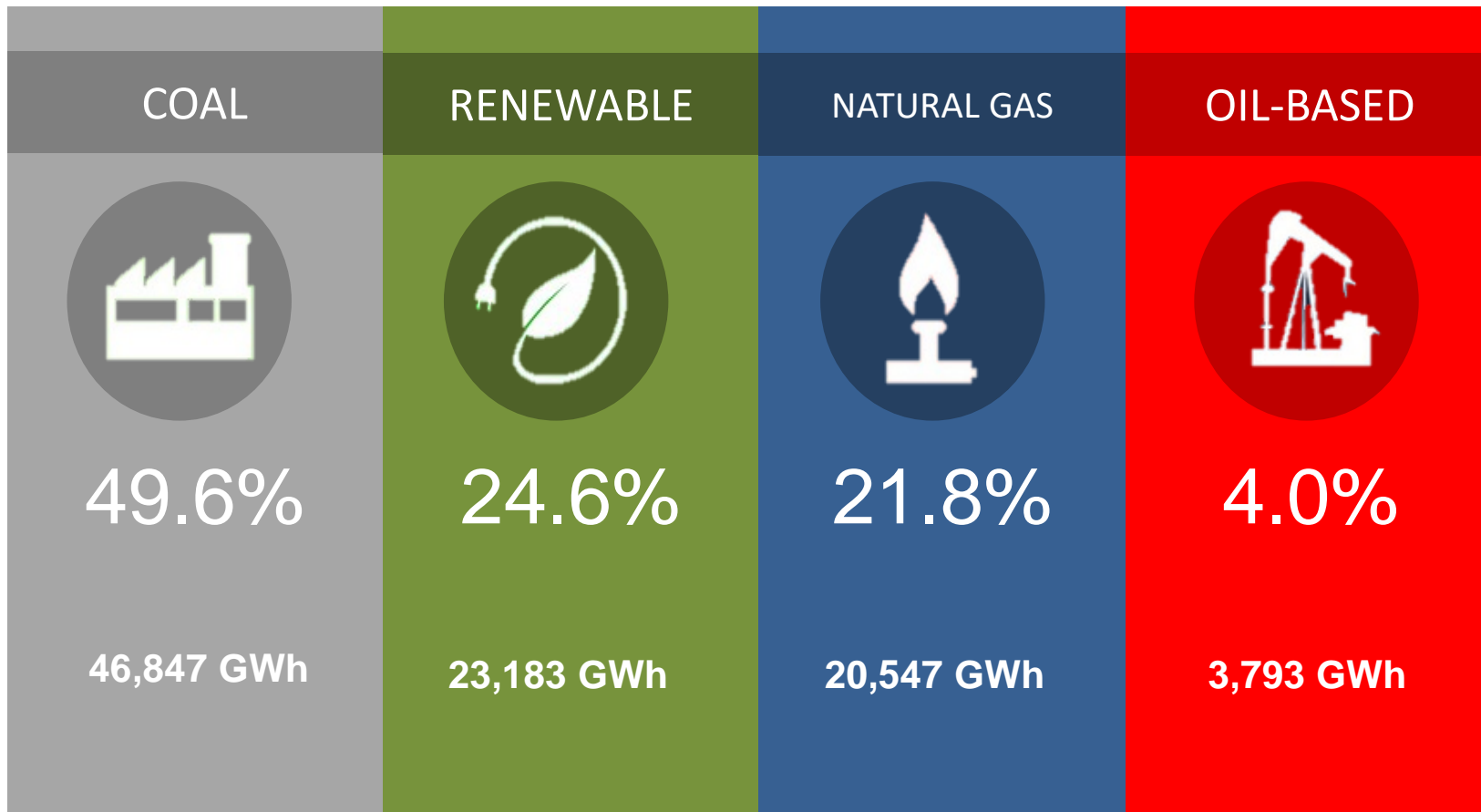
TOTAL INSTALLED CAPACITY: 22,728 MW

DEPENDABLE CAPACITY



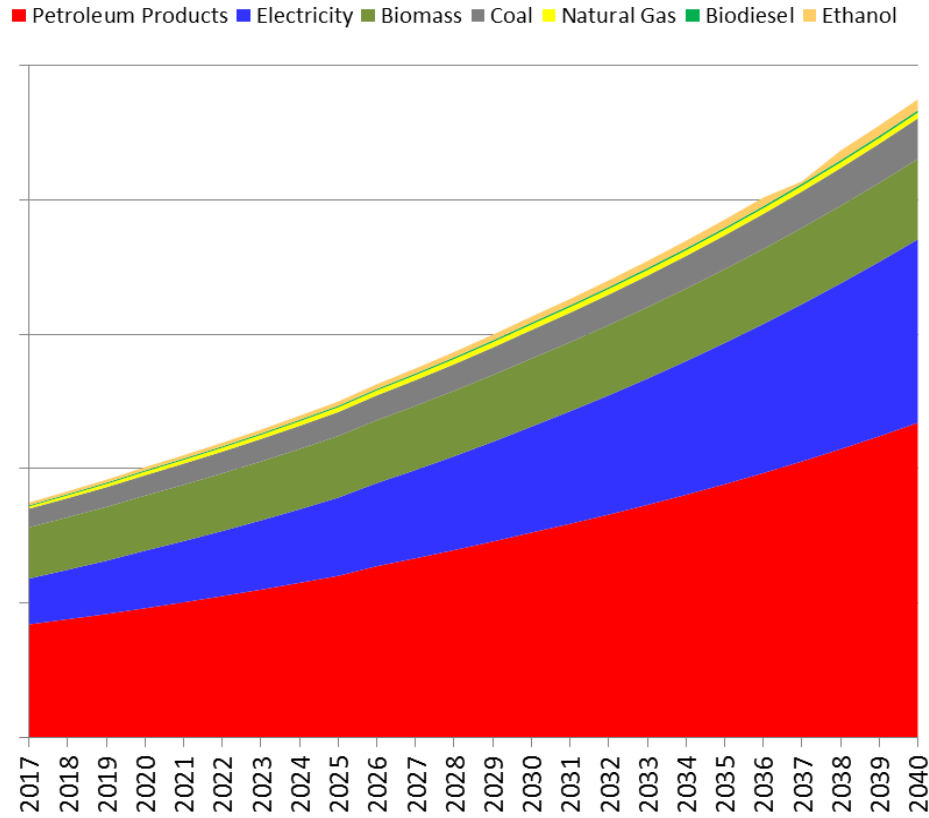
TOTAL DEPENDABLE CAPACITY: 20,515 MW

Power Generation Mix (2017)

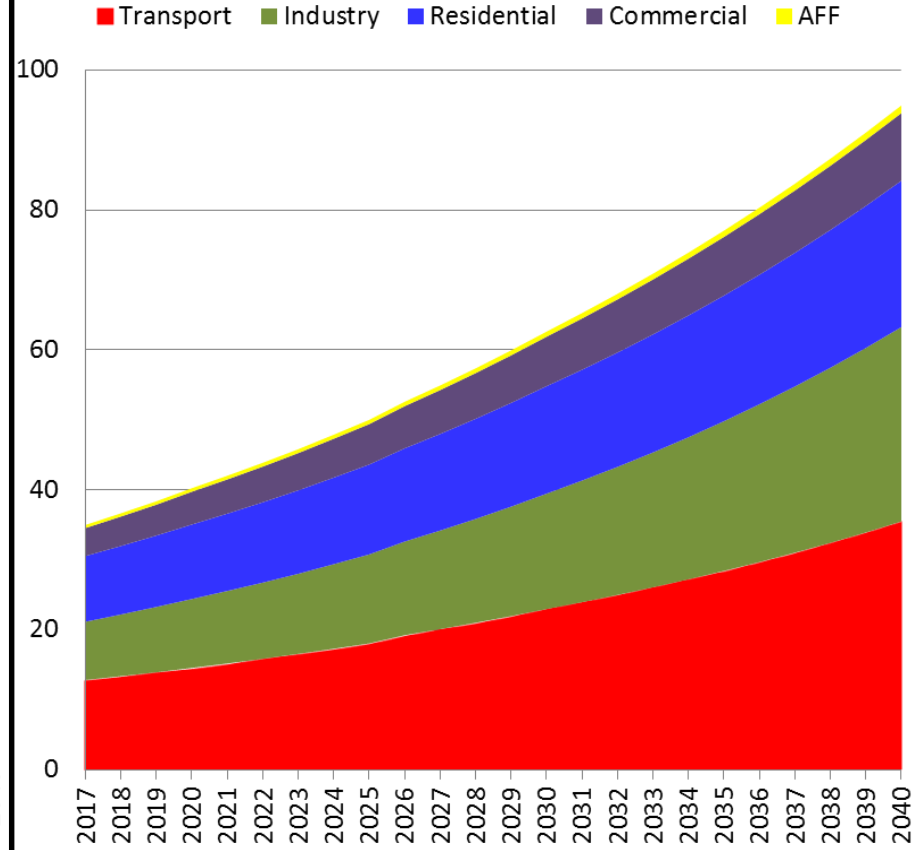


Energy Demand Outlook, 2017 - 2040 (in MTOE)

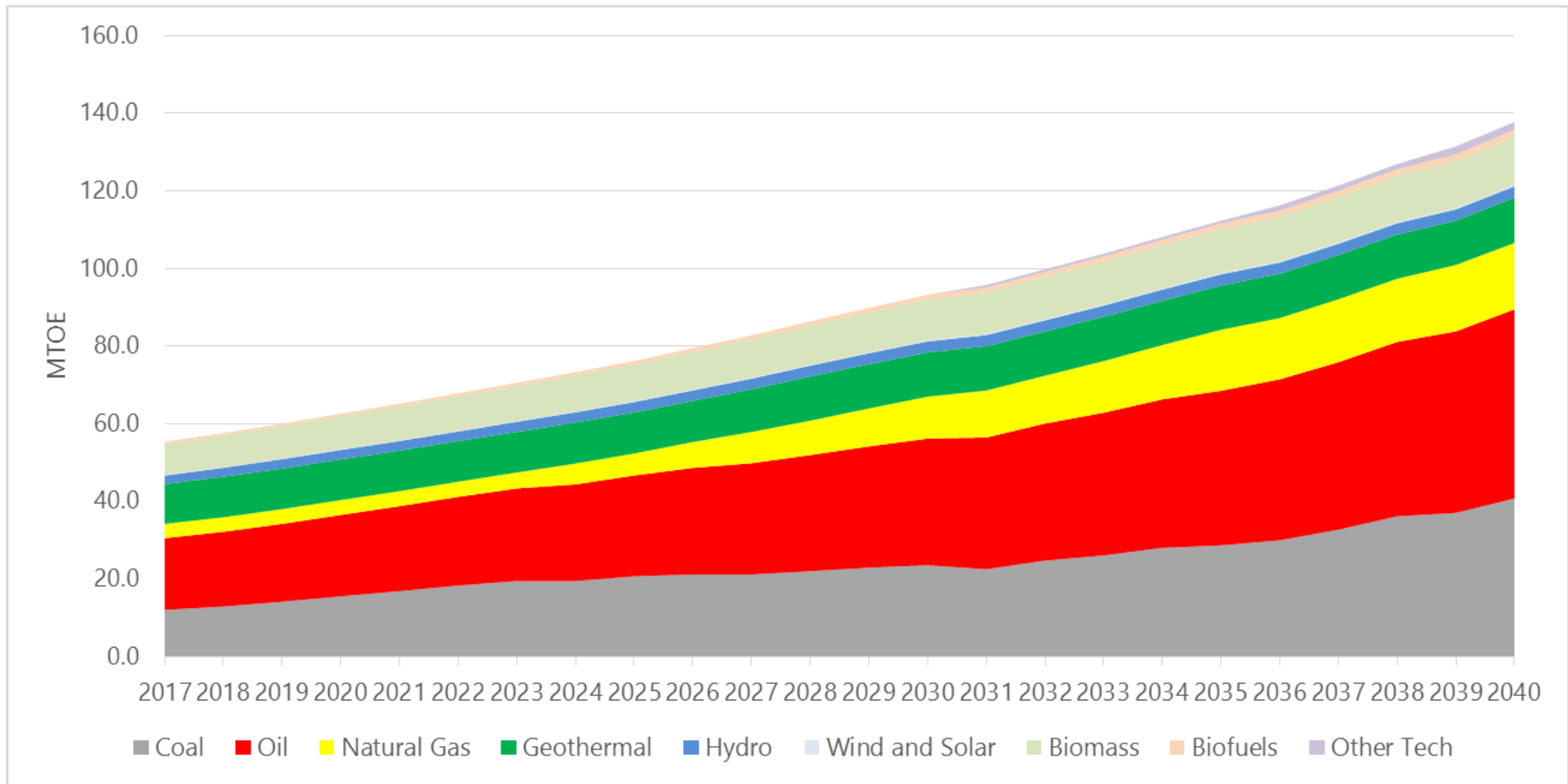
By Fuel Type



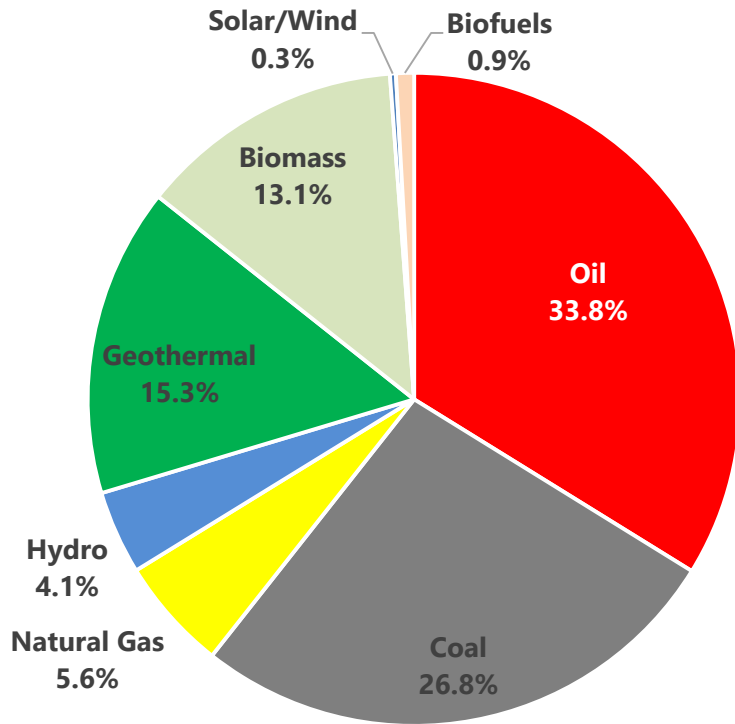
By Sector



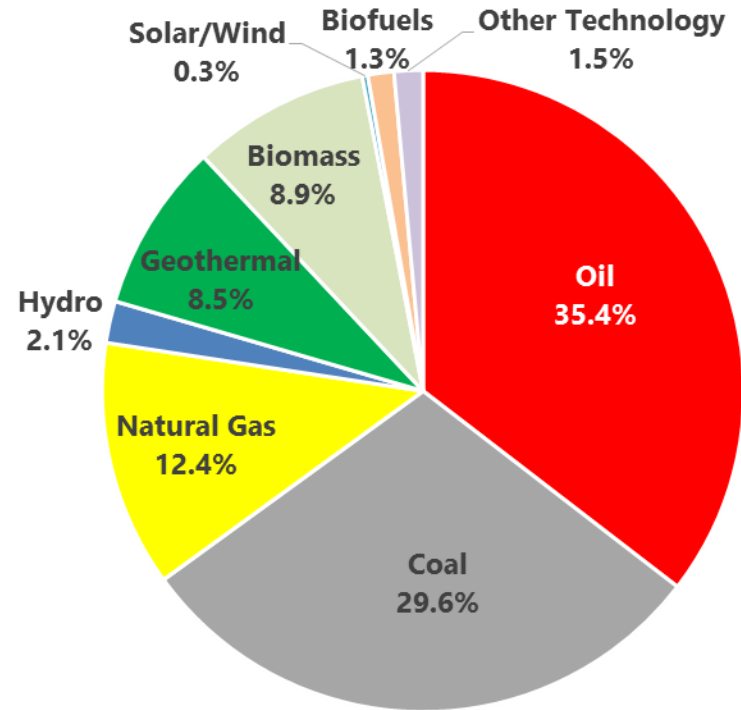
Energy Supply Outlook, 2017 – 2040



Total Primary Energy Supply, 2017 and 2040



2017 (preliminary)
Total Energy: 57.7 MTOE



2040 Outlook
Total Energy: 137.8 MTOE

Challenges of the Philippine Energy Sector

- ☑ **Ensuring energy security, reliability and reasonably-priced energy**
- ☑ **Social acceptability of energy resources or technologies**
- ☑ **Energy resource development hindered by transnational / geographical boundaries**

Salamat!

(Thank you/Arigato Gozaimasu)

