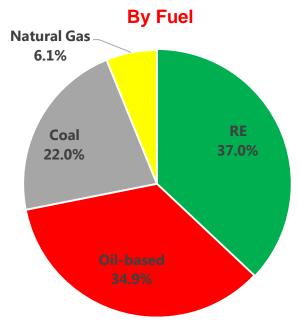
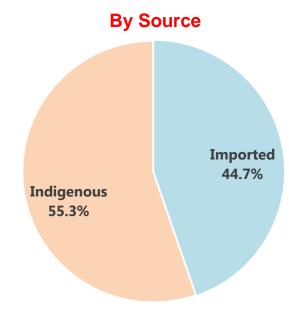
ENERGY SITUATION PHILIPPINE



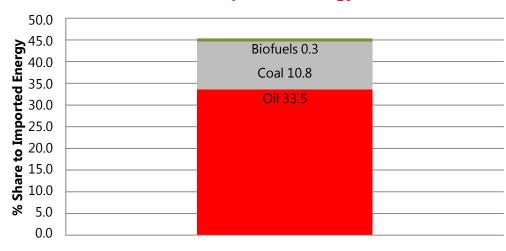
Where we are now: 2016 Energy Supply



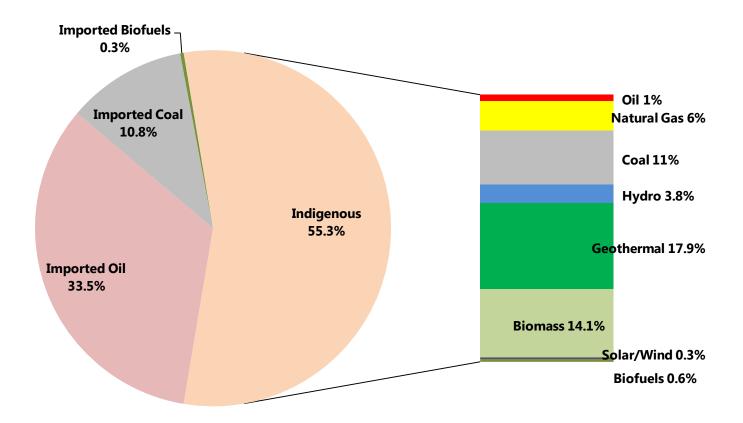
Total Energy	53.19 MTOE
Self-Sufficiency	55.3%
Renewable Energy (RE)	37.0%
Clean Energy (RE + Nat Gas)	43.1%



Imported Energy



Where we are now: 2016 Energy Supply



Total Energy: 53.19 MTOE

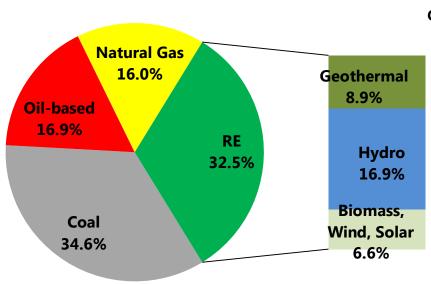
Self-sufficiency: 55.3%

Renewable Energy: 37.0%

RE + Nat Gas: 43.1%

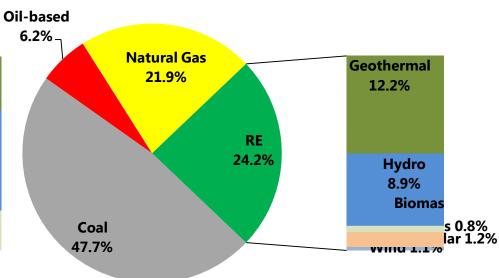
Where we are now: 2016 Power Capacity and Gross Generation

Installed Capacity



Total Installed Capacity: 21,424 MW Renewable Energy Share: 32.5%

Gross Generation



Total Generation: 90,797 GWh
Renewable Energy: 24.2%
RE + Nat Gas: 46.1%

Strategic Directions 2017 – 2040

3 **STRENGTHEN COLLABORATION ENSURE EXPAND PROMOTE A AMONG ALL LOW CARBON ENERGY ENERGY GOVERNMENT SECURITY ACCESS FUTURE AGENCIES INVOLVED IN ENERGY** 6 IMPLEMENT, **ADVOCATE THE FOSTER MONITOR AND STRENGTHEN PASSAGE OF THE STRONGER INTEGRATE SECTORAL** CONSUMER **DEPARTMENT'S INTERNATIONAL** AND TECHNOLOGICAL **WELFARE AND LEGISLATIVE RELATIONS AND ROADMAPS AND PROTECTION PARTNERSHIPS AGENDA ACTION PLANS**

Nine-Point Energy Agenda

DOE's Nine-Point Energy Agenda



FACILITATING THE COMPLETION OF TRANSMISSION PROJECTS BY 2020



ACCESS TO BASIC ELECTRICITY FOR ALL FILIPINOS BY 2020



PRO-CONSUMER DISTRIBUTION
FRAMEWORK FOR AFFORDABILITY,
CHOICE AND TRANSPARENCY



ADOPTING A TECHNOLOGY NEUTRAL
APPROACH FOR AN OPTIMAL
ENERGY MIX



STREAMLINING DOMESTIC POLICY TO CUT RED TAPE



IMPROVING THE SUPPLY OF POWER
THAT IS RELIABLE, TO MEET DEMAND
NEEDS BY 2040



DOE TO DELIVER ON PSALM PRIVATIZATION

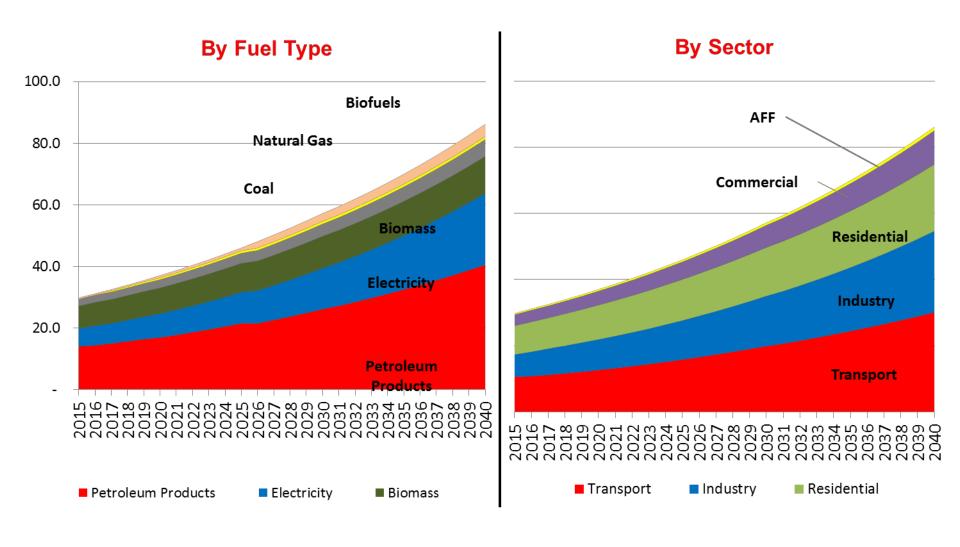


DEVELOPING LNG NEEDS FOR THE FUTURE IN ANTICIPATION OF THE MALAMPAYA DEPLETION

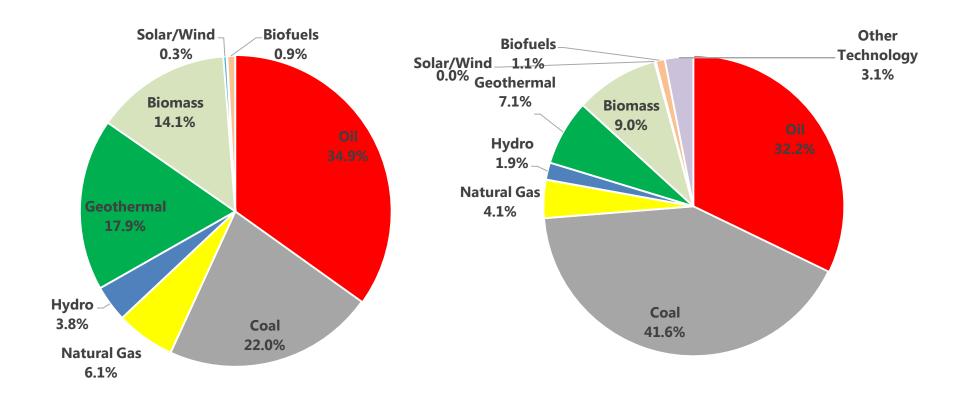


PROMOTING EFFICIENT USE OF POWER AMONG CONSUMERS THROUGH AN IEC

Where we are headed: Energy Demand Outlook 2016-2040



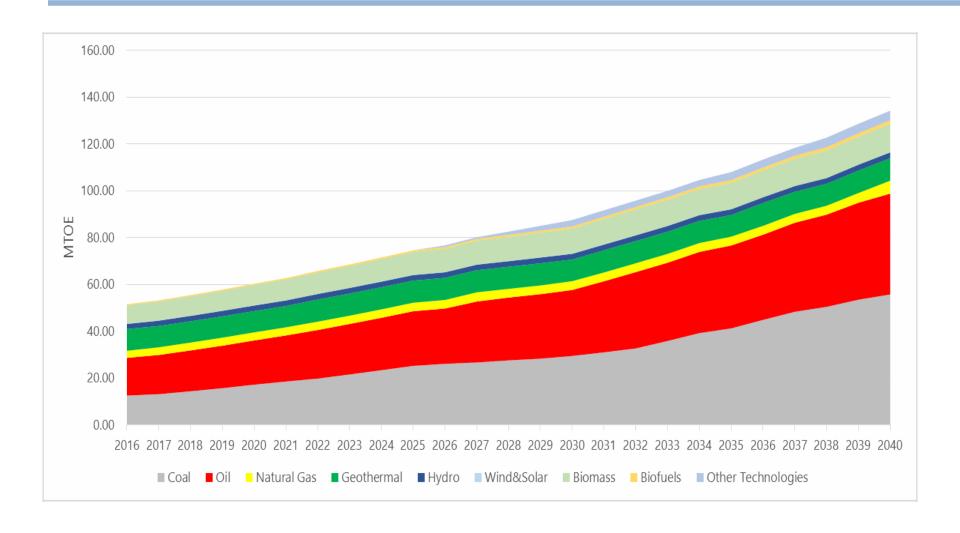
Where we are headed: Primary Energy Mix 2016 and 2040



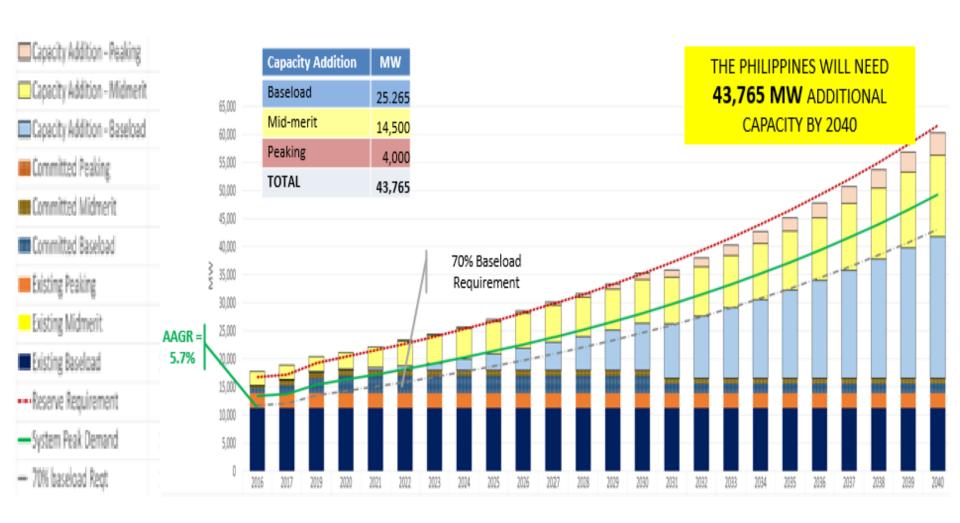
2016 Actual Total Energy: 53.2 MTOE

2040 Outlook (Clean Energy Scenario)
Total Energy: 134.2 MTOE

Where we are headed: Energy Supply Outlook 2016-2040

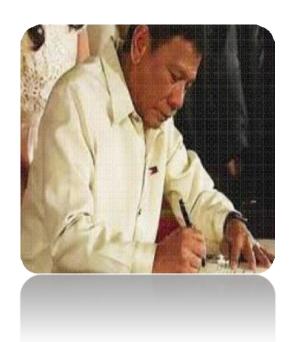


Where we are headed: Additional Power Capacities 2017-2040



New Policy Initiatives

- Executive Order No. 30 (EO 30)
 - Creating the Energy Investment Coordinating Council (EICC) in Order to Streamline the Regulatory Procedures Affecting Energy Projects
 - Classification of Energy Projects of National Significance (EPNS)
 - Capital Investment of at least PhP 3.5
 Billion
 - Contribution to the country's economic development
 - Consequential economic impact
 - Potential contribution to the country's balance of payments
 - Impact on the environment
 - Complex technical processes and engineering designs
 - Infrastructure requirements



New Policy Initiatives

- Energy Resiliency Policy
 - "Adoption of Resiliency Planning and Program in the Energy Industry to Mitigate Adverse Effects Brought About by Disasters"
 - Promotes planning and investment to ensure nation's energy infrastructure continues to deliver while anticipating and reducing vulnerabilities



Challenges

- Ensuring energy security, reliability and reasonably-priced energy
- Passage of energy-related bills (e.g. energy efficiency and conservation, etc.)
- Harmonization of laws/policies
- Social acceptability of energy resources or technologies
- Energy resource development hindered by transnational / geographical boundaries

Challenges

- To strengthen energy security, expand energy access and promote technology neutrality
 - Integrated LNG
 - Nuclear



Korea's Singori Nuclear Plant (Source: http://www.koreaittimes.com/images/singori.jpg)



 $LNG\ Tanker \\ (Source: https://energy.gov/fe/science-innovation/oil-gas/liquefied-natural-gas)$

Thank You!

