



FINANCING CLEAN ENERGY TRANSITION IN THE PHILIPPINES

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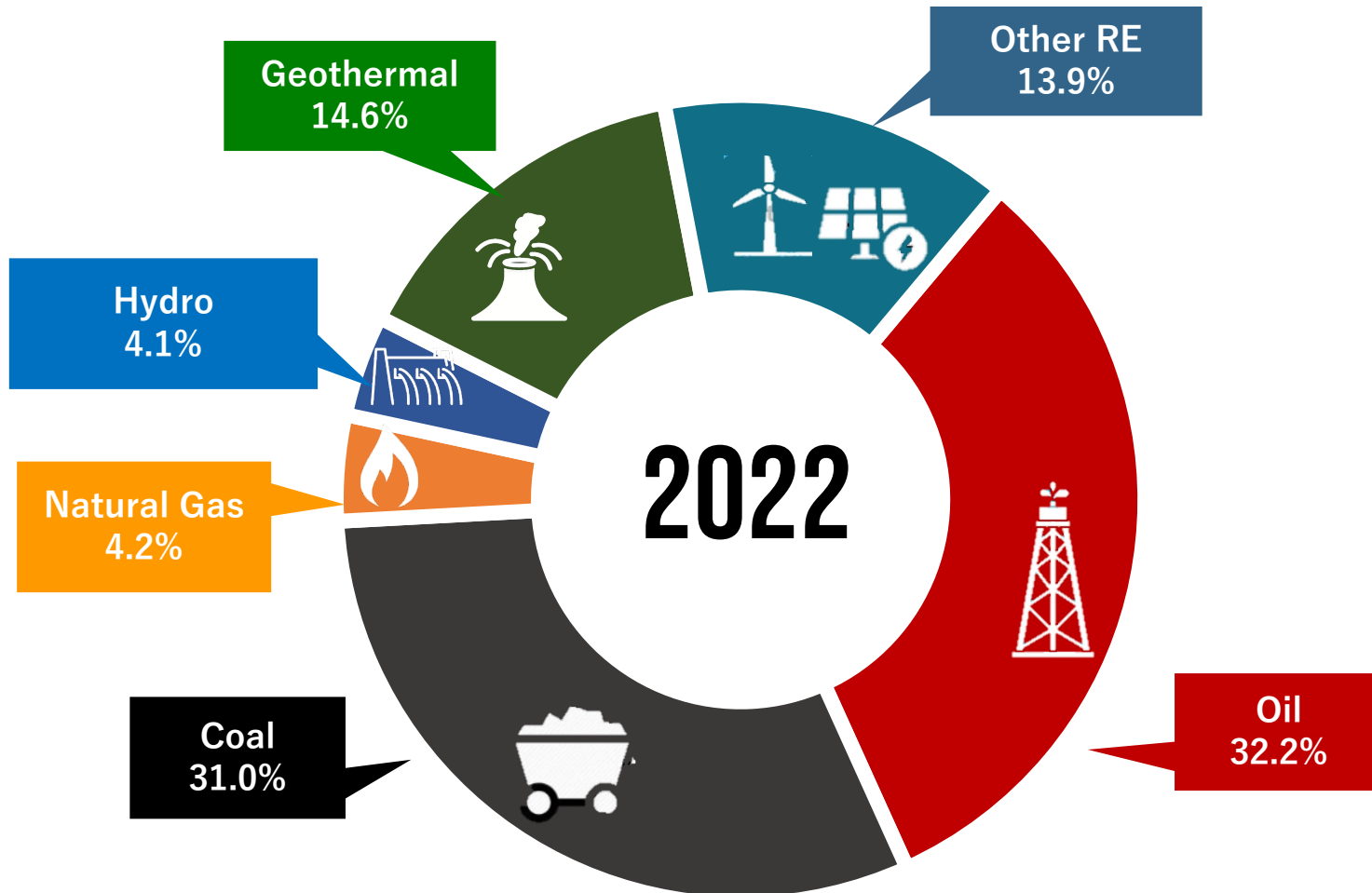
Virtual Workshop on Sustainable Finance for Clean Energy in ASEAN

17 October 2023

OUTLINE

- **Status of National Energy Primary Mix and Final Consumption**
- Updating the Philippine Energy Plan
- Challenges and Opportunities

2022 TOTAL PRIMARY ENERGY SUPPLY



61.6 MTOE

2022 TOTAL PRIMARY ENERGY SUPPLY

49.4%
(30.4 MTOE)
INDIGENOUS

50.6%
(31.1 MTOE)
NET IMPORTED

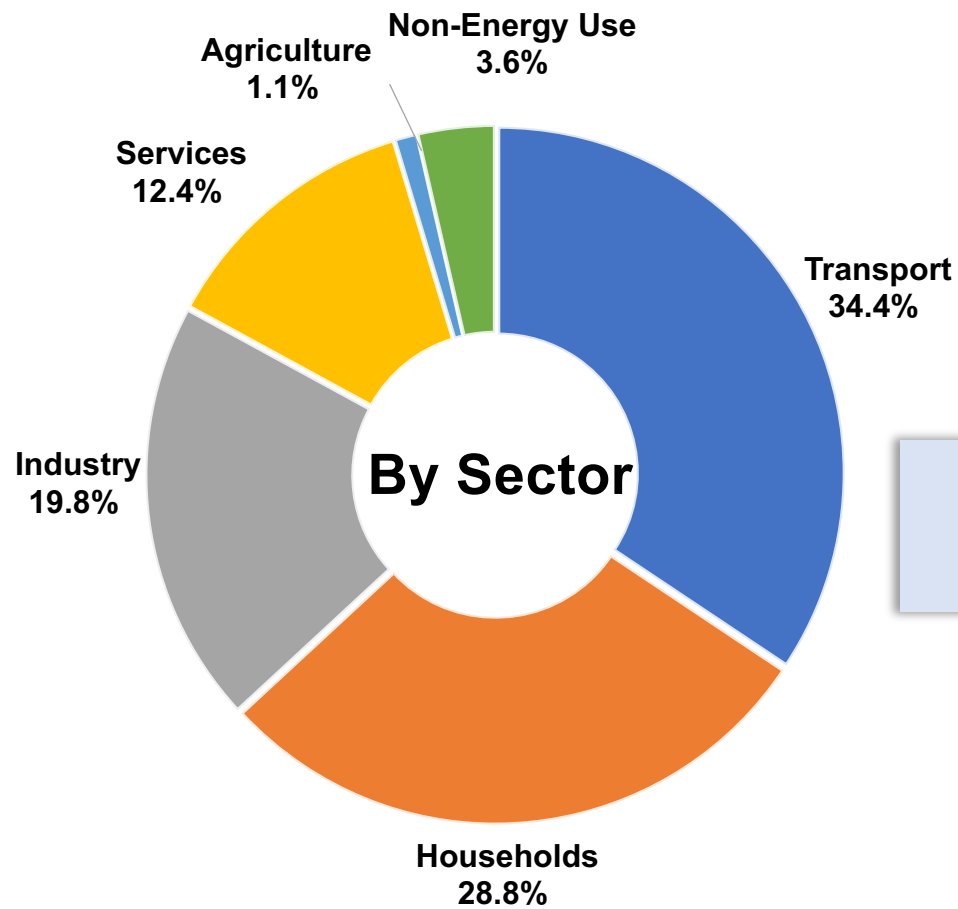
12.4%
(7.6 MTOE)
INDIGENOUS COAL

18.6%
(11.4 MTOE)
NET IMPORTED COAL

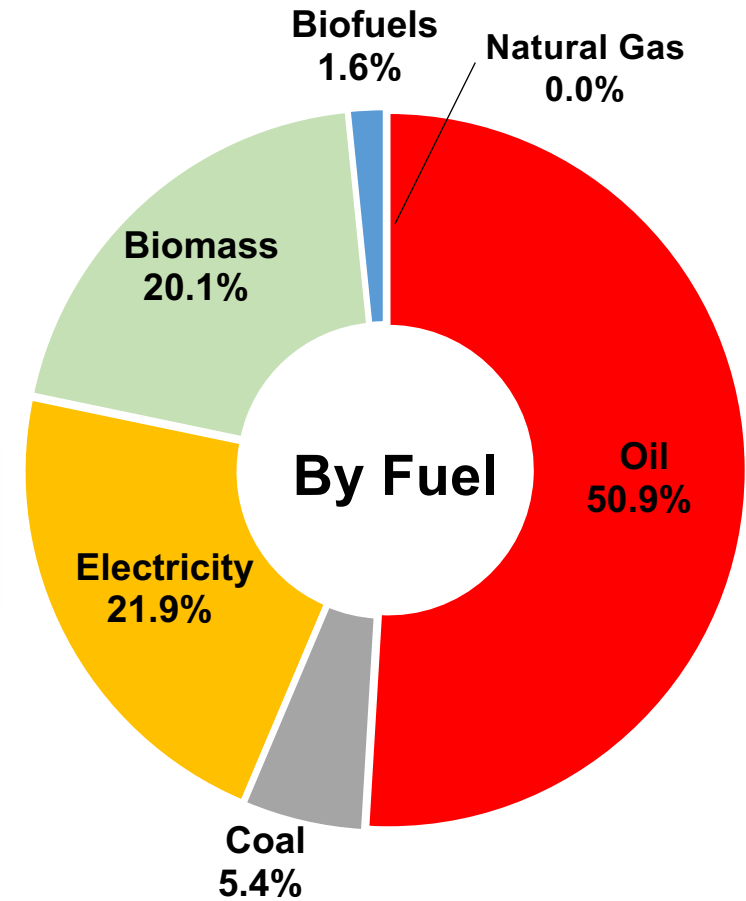
40%

60%

2022 TOTAL FINAL ENERGY CONSUMPTION



35.9 MTOE
2022 TFEC



2022 POWER CAPACITY AND GENERATION



COAL

44.0%

12,428 MW

INSTALLED CAPACITY

48.8%

11,504 MW

DEPENDABLE CAPACITY

59.6%

66,430 GWh

POWER GENERATION



RENEWABLES

29.2%

8,264 MW

INSTALLED CAPACITY

30.3%

7,151 MW

DEPENDABLE CAPACITY

22.1%

24,684 GWh

POWER GENERATION



OIL-BASED

13.6%

3,834 MW

INSTALLED CAPACITY

12.1%

2,860 MW

DEPENDABLE CAPACITY

2.3%

2,519 GWh

POWER GENERATION



NATURAL GAS

13.2%

3,732 MW

INSTALLED CAPACITY

8.8%

2,081 MW

DEPENDABLE CAPACITY

16.0%

17,884 GWh

POWER GENERATION

PEAK DEMAND:
16,596 MW

LUZON : 12,113 MW
VISAYAS: 2,316MW
MINDANAO : 2,167 MW

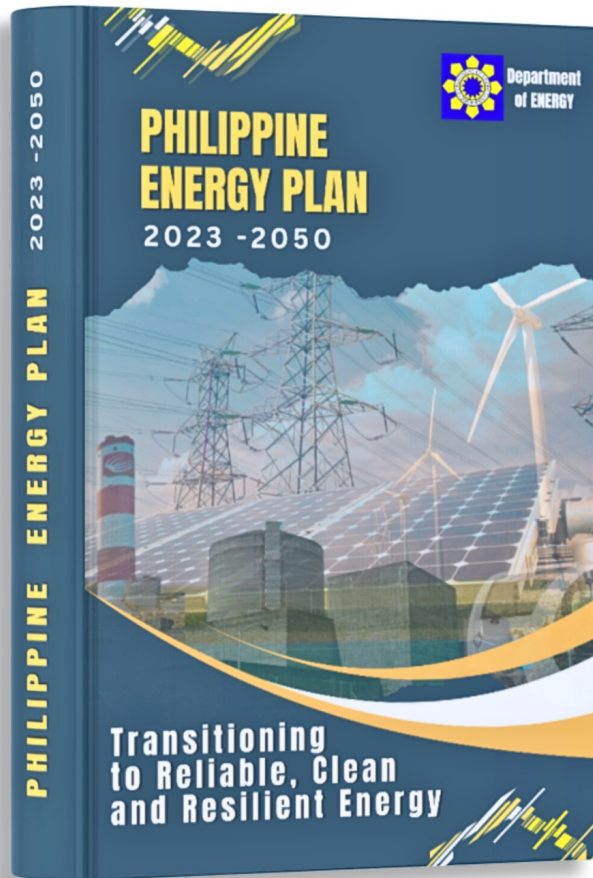
GROSS GENERATION
111,516 GWH

RE Share: 22.1%
Fossil Share: 77.9%

OUTLINE

- Status of National Energy Primary Mix and Final Consumption
- **Updating the Philippine Energy Plan**
- Challenges and Opportunities

PEP 2023 – 2050 (Outlook Scenarios)



Reference

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

High RE with Low OSW + Nuclear + Coal Retirement

- At least 40% RE Share by 2030
- At least 60% RE by 2050
- Coal retirement based on economic analysis
- **19 GW of OSW**

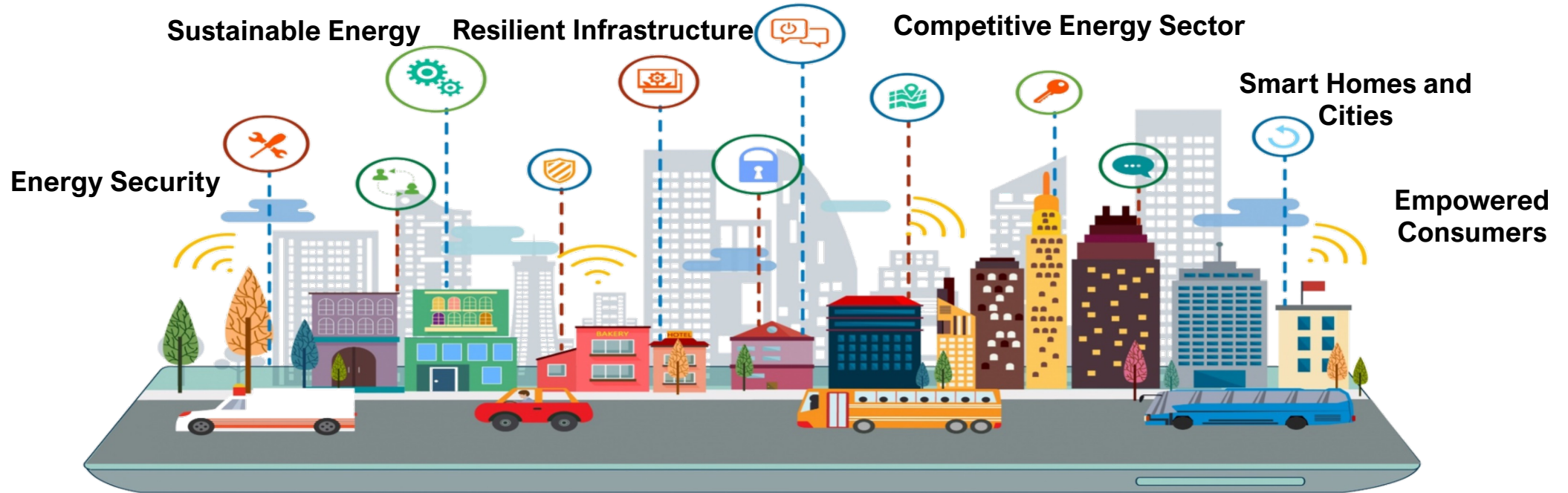
High RE with High OSW + Nuclear + Coal Retirement

- At least 45% RE Share by 2030
- At least 65% RE by 2050
- Coal retirement based on economic analysis
- **50 GW of OSW**

OUTLINE

- Current National Energy Policies
- Status of National Energy Primary Mix and Final Consumption
- **Challenges and Opportunities**

Future Energy Scenario



Renewable Energy

35% of power generation mix by 2030; and 50% by 2040

+



Energy Efficiency and Conservation

5% energy savings on oil products and electricity by 2040

+



Emerging and Innovative Technologies

10% EV penetration rate in road transport by 2040; Exploring new and efficient technologies

+



Information and Communications Technology

Adopting advanced and interoperable ICT in the energy chain

+



Energy Resiliency

Resilient and climate-proof energy infrastructure



Thank You!



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