

# Thailand Energy Development

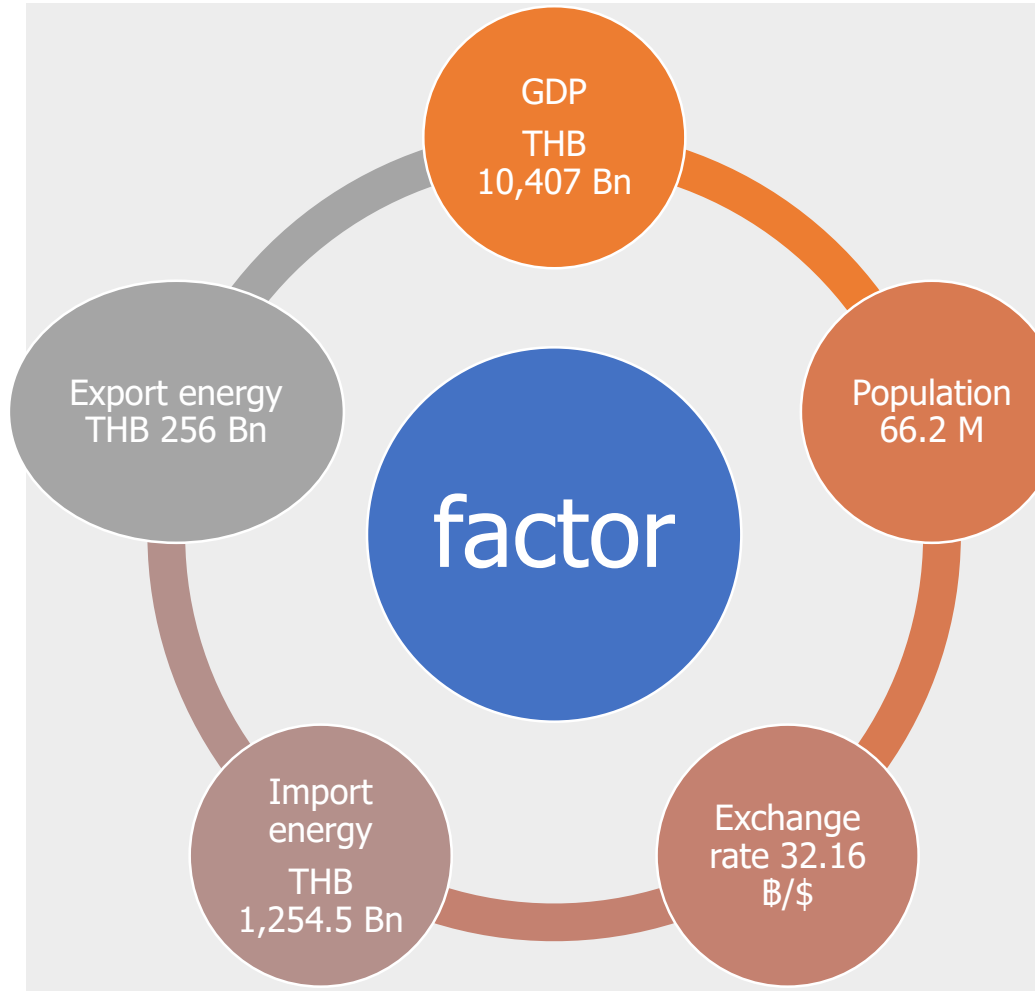
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# Energy Situation Overview



Primary  
energy  
consumption

- 1,993 bbl/day
- Reduce 9 %

Primary  
energy  
production

- 824 bbl/day
- Reduce 3.5%

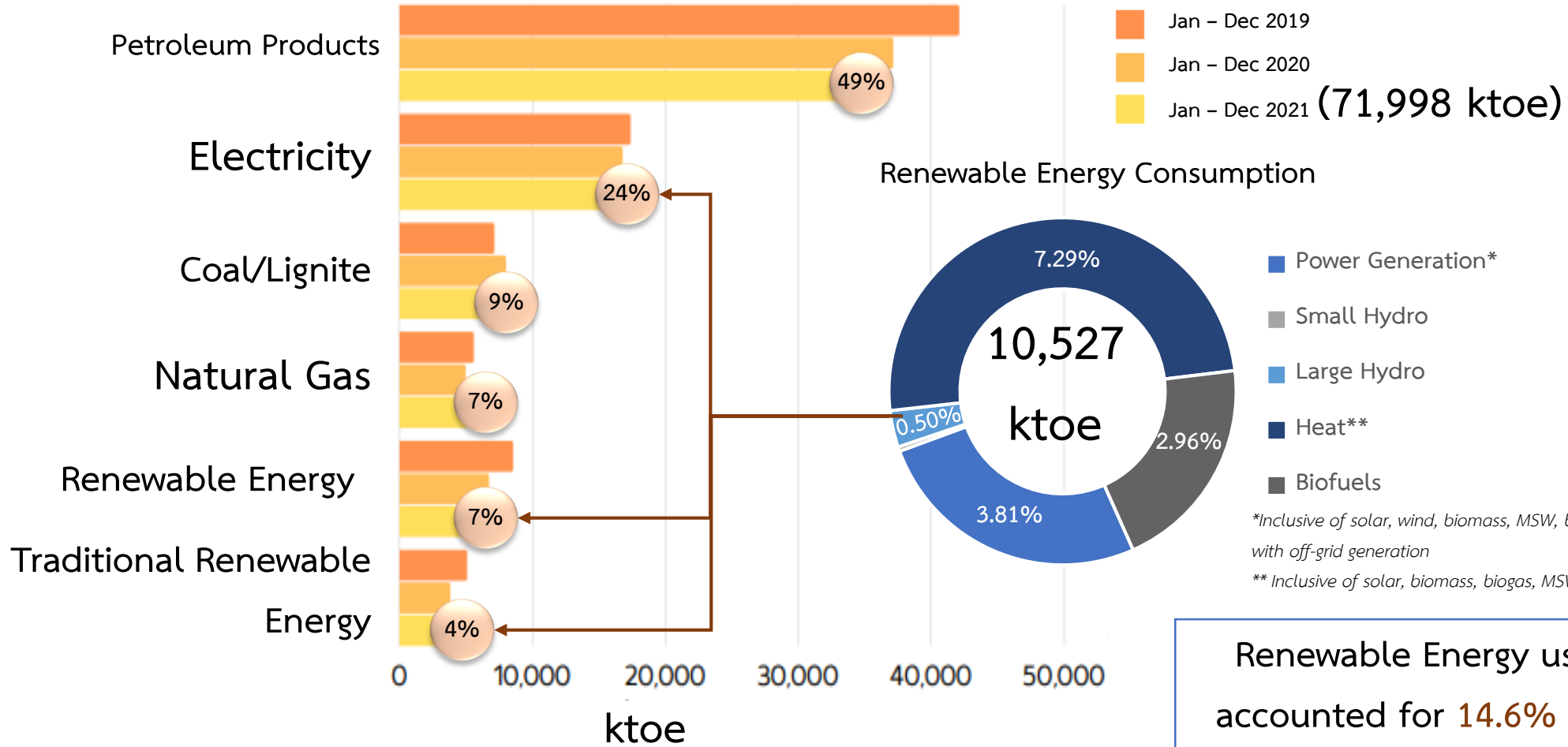
Energy  
import (Net)

- 1,511 bbl/day
- Increase 8 %

THB = Baht, ฿ = baht

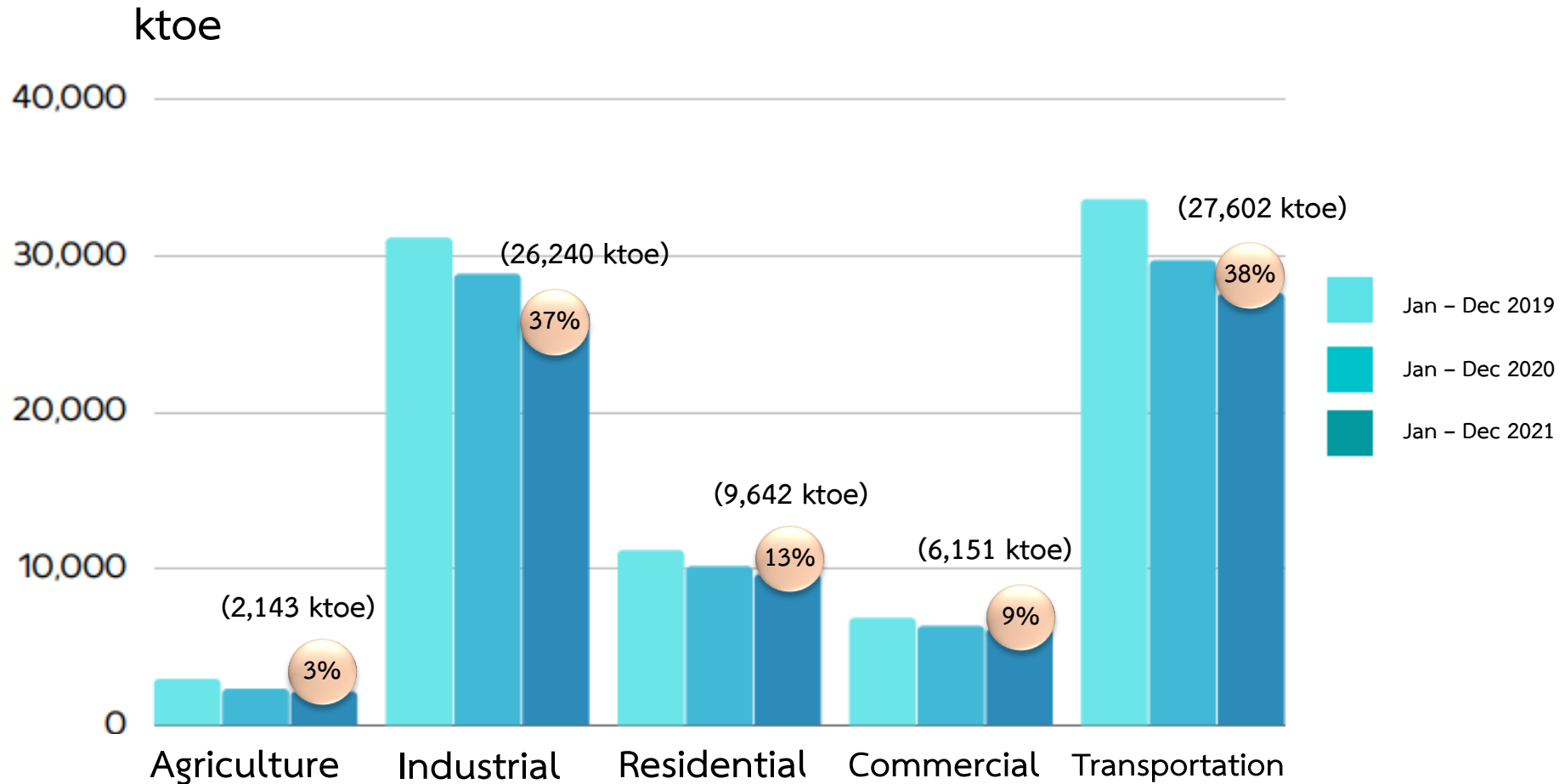
# Final Energy Consumption by Fuel

Final Energy Consumption by Fuel

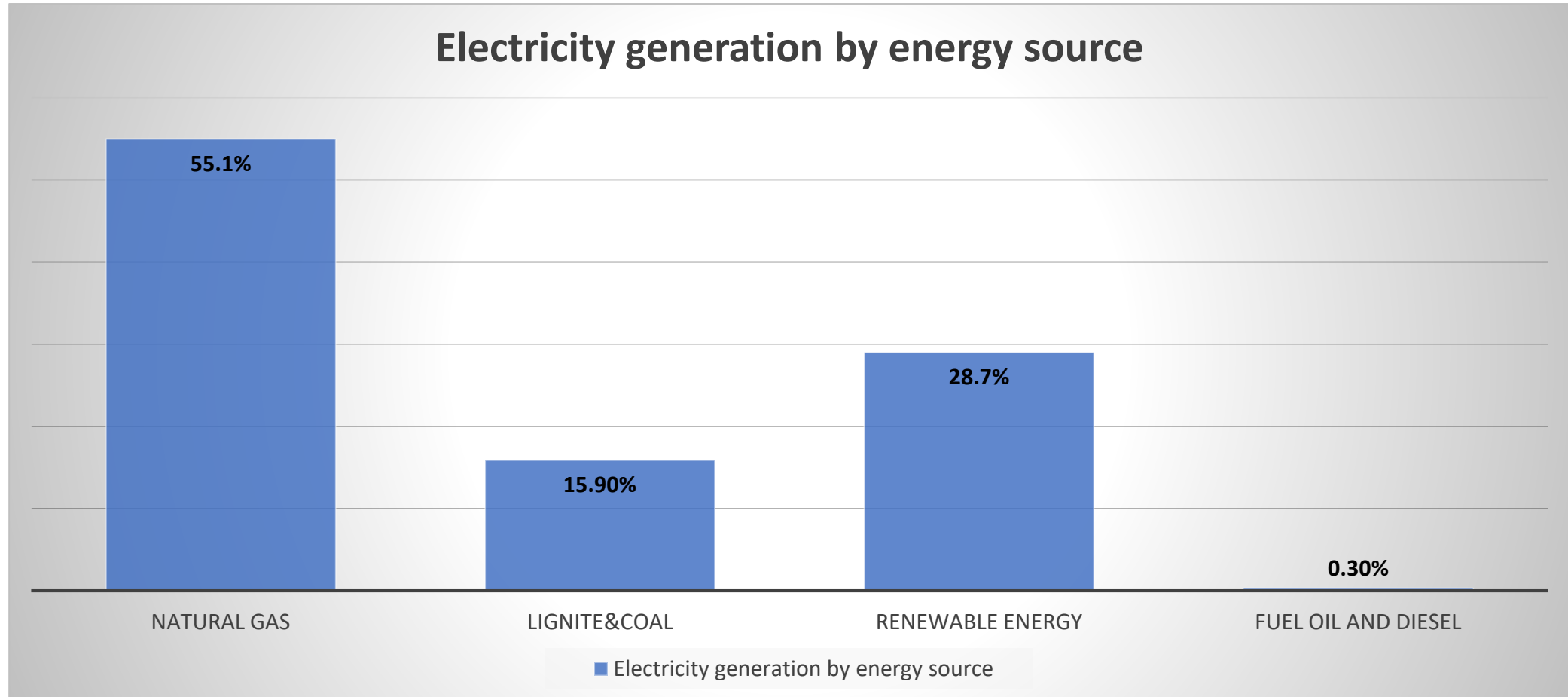


# Final Energy Consumption by Sector

Final Energy Consumption by Sector



# Electricity generation by energy source



# Current situation Energy in Thailand



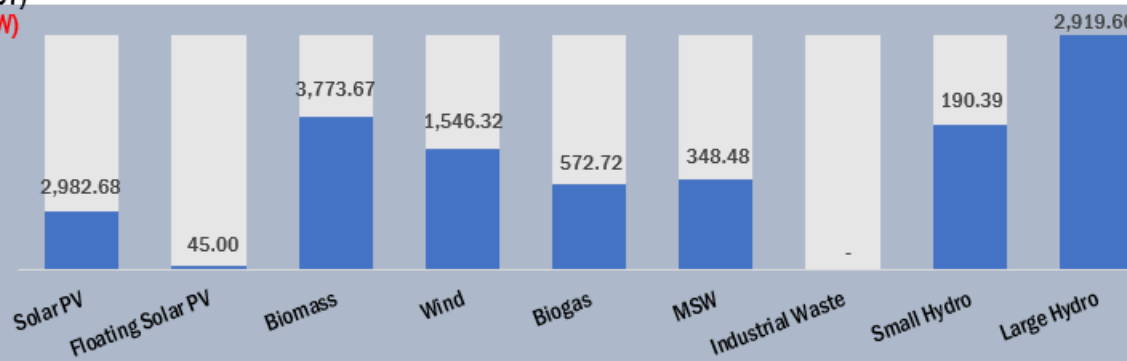
## Renewable electricity

Target  
(2037)  
(MW)

12,139 2,725 5,790 2,989 1,565 900 75 308 2,920

Achieved

42%



## Energy Intensity

■ EI (%)

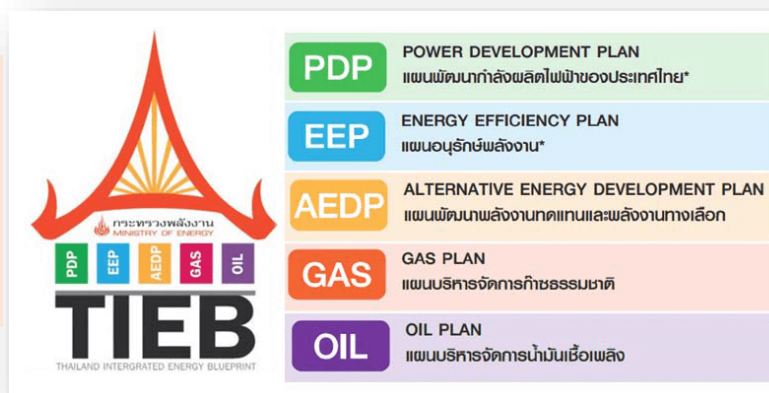
TOE/GDP (M.Baht)



**The PDP 2018 Rev 1 (2018-2037) :** Increase generating capacity from 46,090 megawatts to 77,211 megawatts by 2037.

**AEDP 2018-2037 :** 30% Renewable energy in total final energy consumption (TFEC) by 2037

**EEP 2018-2037 :** Reduce 30% energy intensity (EI) by 2037



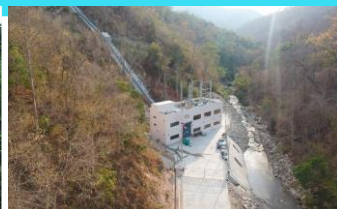
**BEC**



## Small Hydropower



12.2 MW Kiritan HydroPlant  
Chantaburi



3 kW Mae Tuen Plant  
Chiang Mai



25 kW Huay Mak Klang Project  
Mae Hong Son

## Wind power



## Biogas



Swine farm,  
Song, Phrae

4m<sup>3</sup> floating drum digester  
Pichit





2050

- Carbon Neutrality

2065

- Net-Zero GHG Emission





*"Go green with energy security  
and competitiveness for sustainable  
energy future"*

## Policy Direction

**Transform  
transportation  
sector to Green  
Electricity by  
30@30 EV target**

**Increase RE  
proportion in New  
Power Generation  
50% in 2040**

**Increase Energy  
Efficiency to more  
than 40% by new  
technology and  
innovation**

**Energy Transition  
by using  
4D strategy**

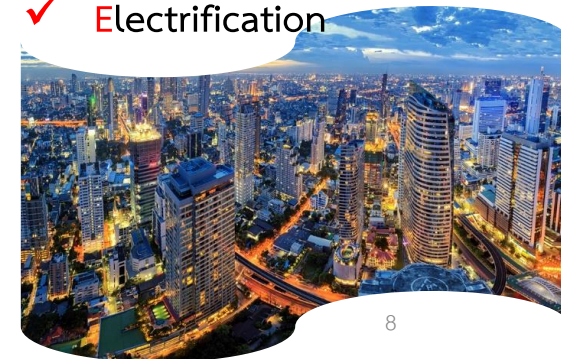
**We are developing our energy system**

**to achieve the goals of**

**Affordable & Accessible Energy for all**



- ✓ Digitalization
- ✓ Decarbonisation
- ✓ Decentralization
- ✓ De-regulation
- ✓ Electrification







**Thank you very much**

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