

# Thailand Energy Development

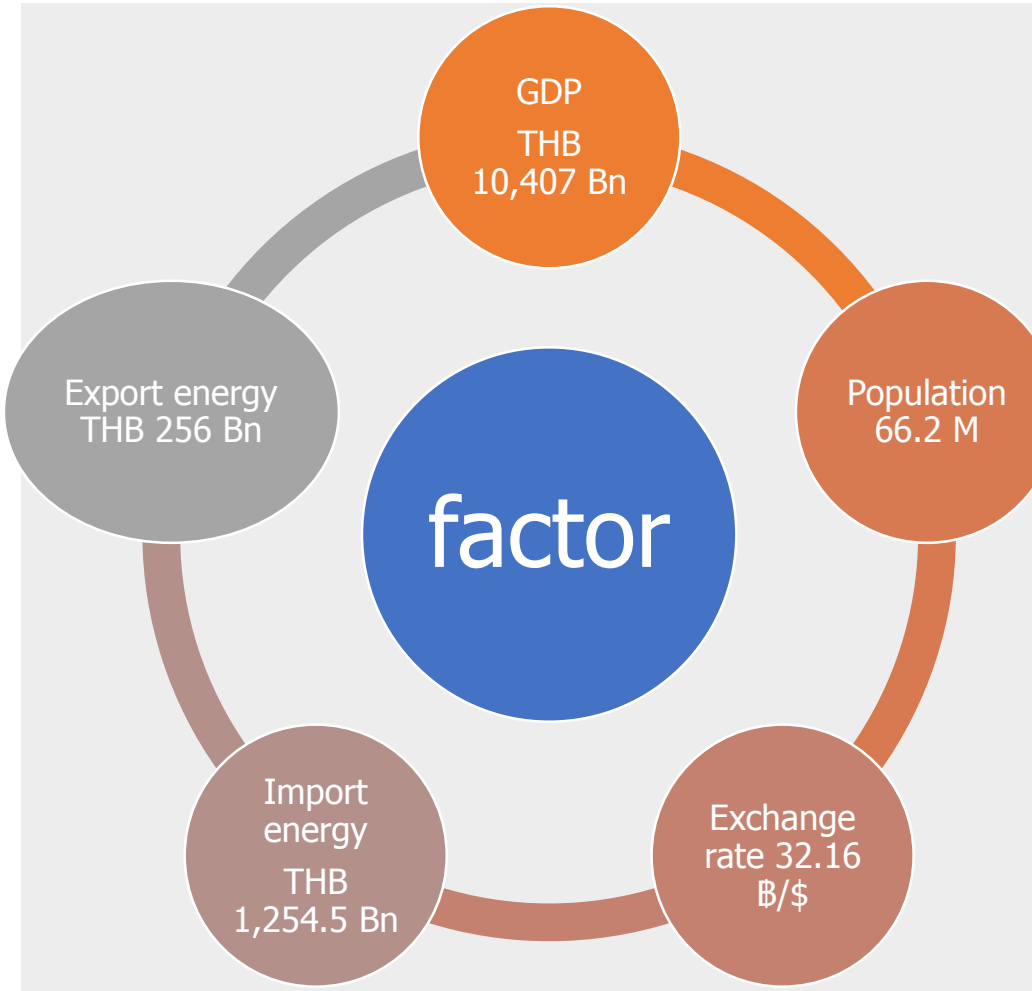
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# Energy Situation Overview



Primary energy consumption

- 1,993 bbl/day
- Reduce 9 %

Primary energy production

- 824 bbl/day
- Reduce 3.5%

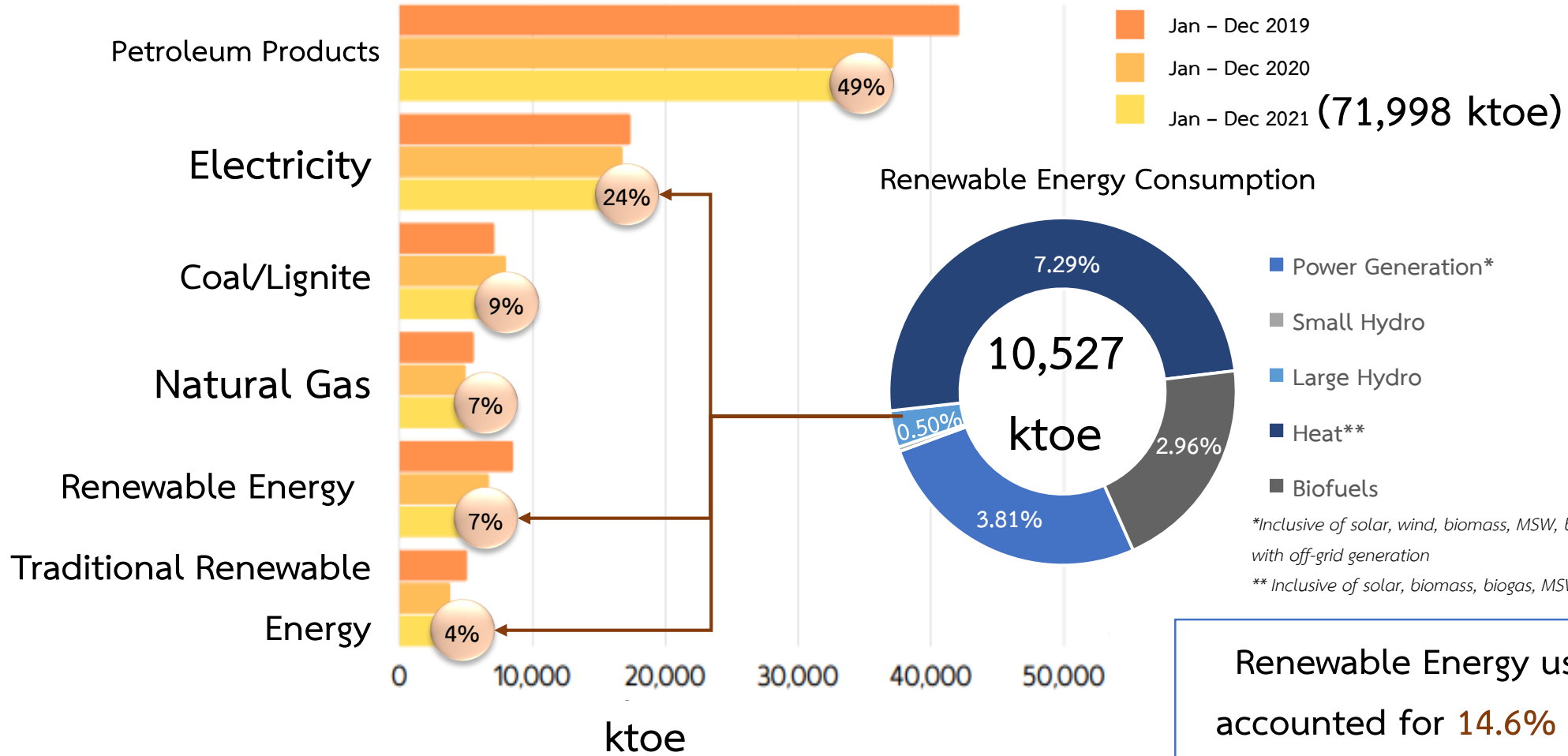
Energy import (Net)

- 1,511 bbl/day
- Increase 8 %

THB = Baht, B = baht

# Final Energy Consumption by Fuel

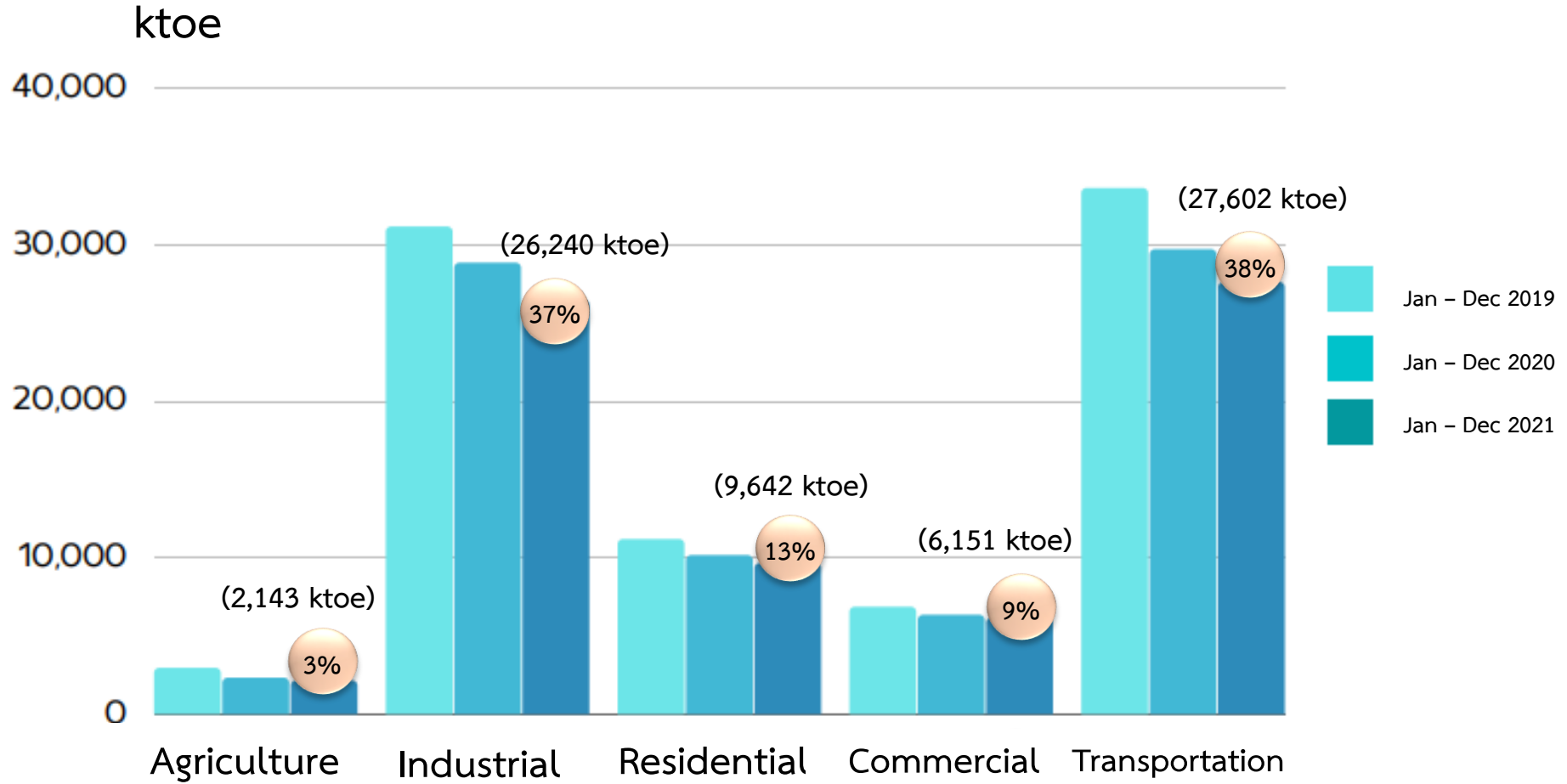
Final Energy Consumption by Fuel



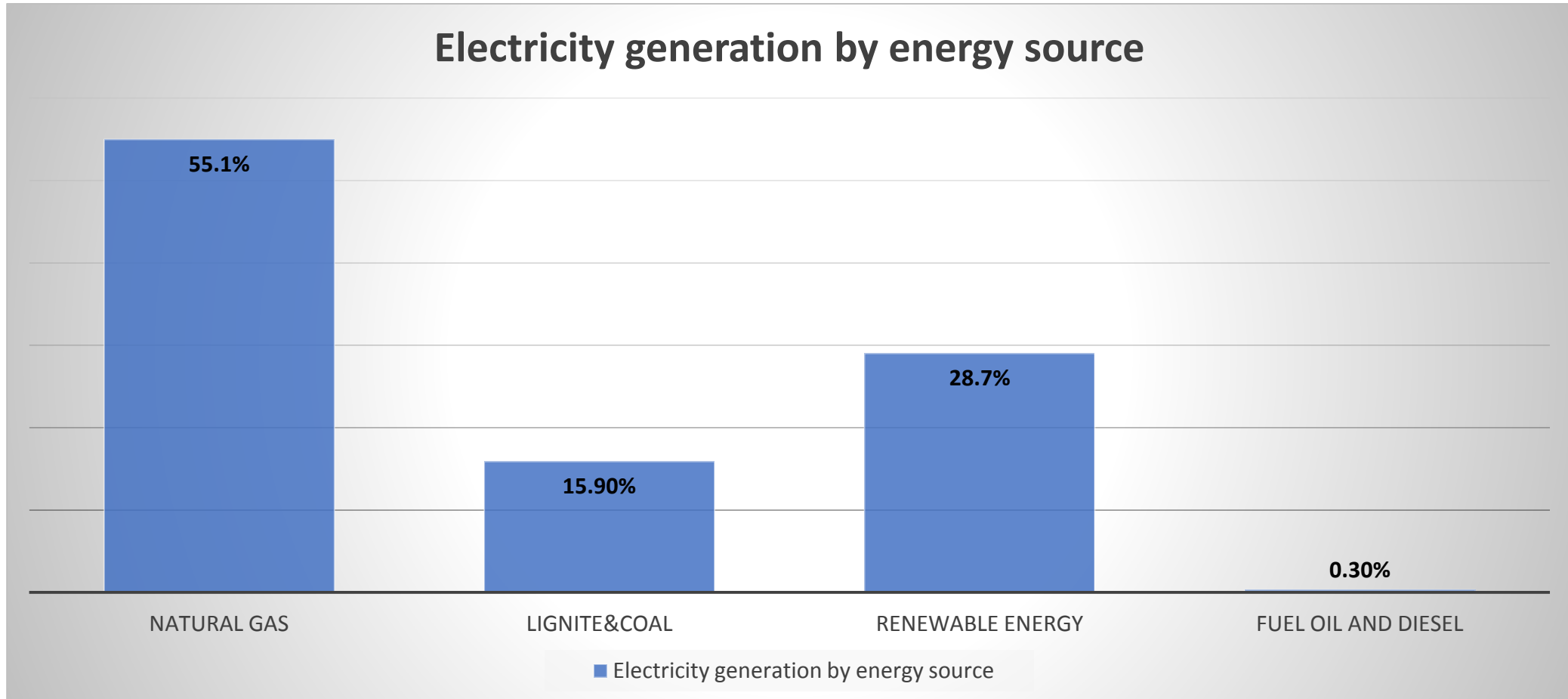
Renewable Energy usage is accounted for **14.6%** of final energy consumption

# Final Energy Consumption by Sector

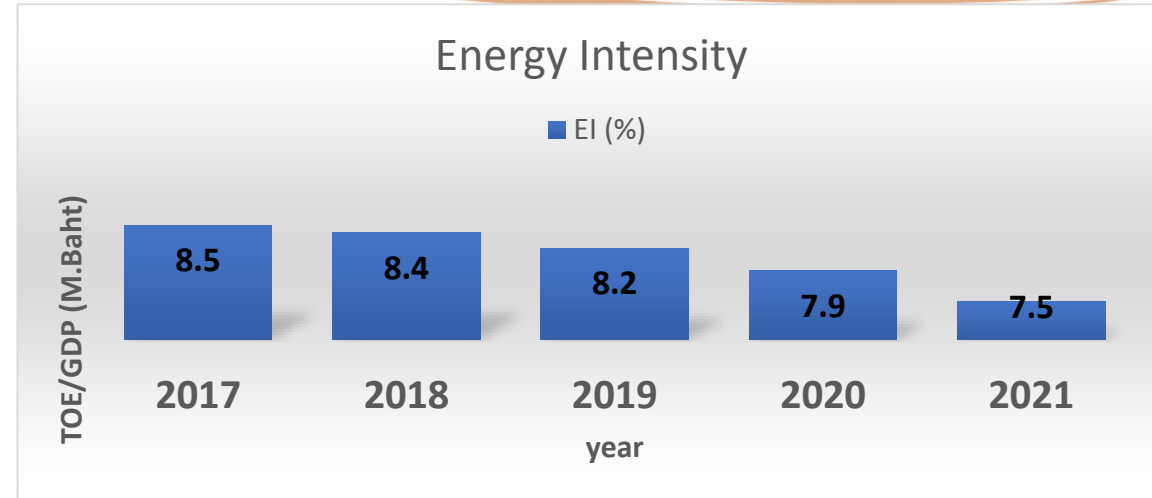
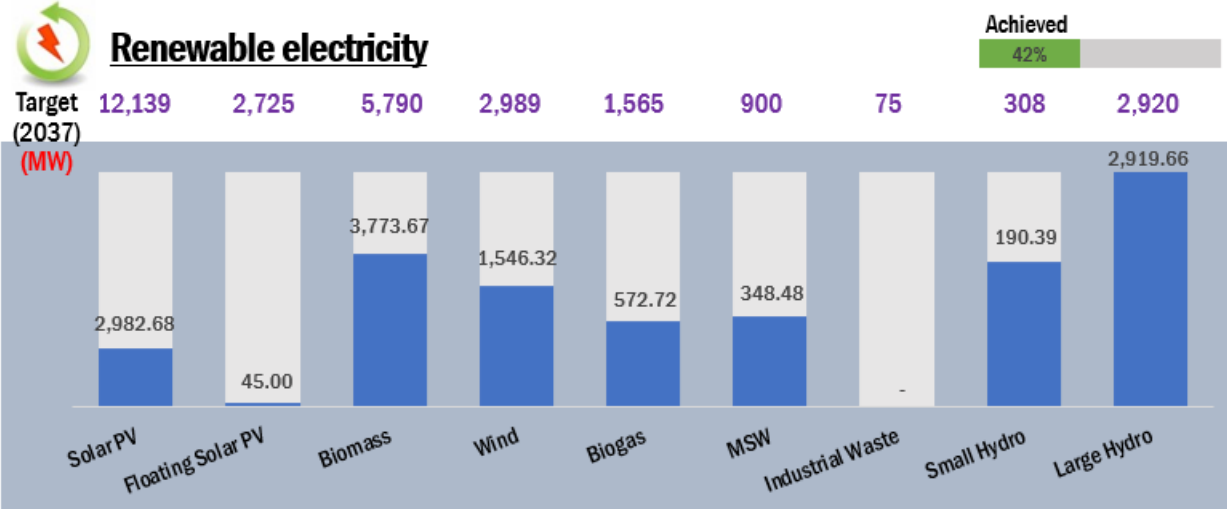
Final Energy Consumption by Sector



# Electricity generation by energy source



# Current situation Energy in Thailand



**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

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

<b>PDP</b>	POWER DEVELOPMENT PLAN แผนพัฒนากำลังผลิตไฟฟ้าของประเทศไทย*
<b>EEDP</b>	ENERGY EFFICIENCY PLAN แผนอนุรักษ์พลังงาน*
<b>AEDP</b>	ALTERNATIVE ENERGY DEVELOPMENT PLAN แผนพัฒนาพลังงานทดแทนและพลังงานทางเลือก
<b>GAS</b>	GAS PLAN แผนบริหารจัดการก๊าซธรรมชาติ
<b>OIL</b>	OIL PLAN แผนบริหารจัดการน้ำมันเชื้อเพลิง

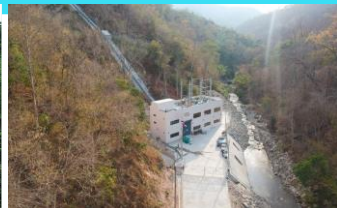
**BEC**



## 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



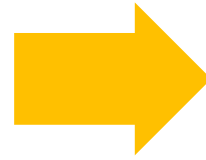
Swine farm,  
Song, Phrae

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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