

Update on Renewable Energy Status in Thailand

By

Department of Alternative Energy Development and
Efficiency (DEDE)



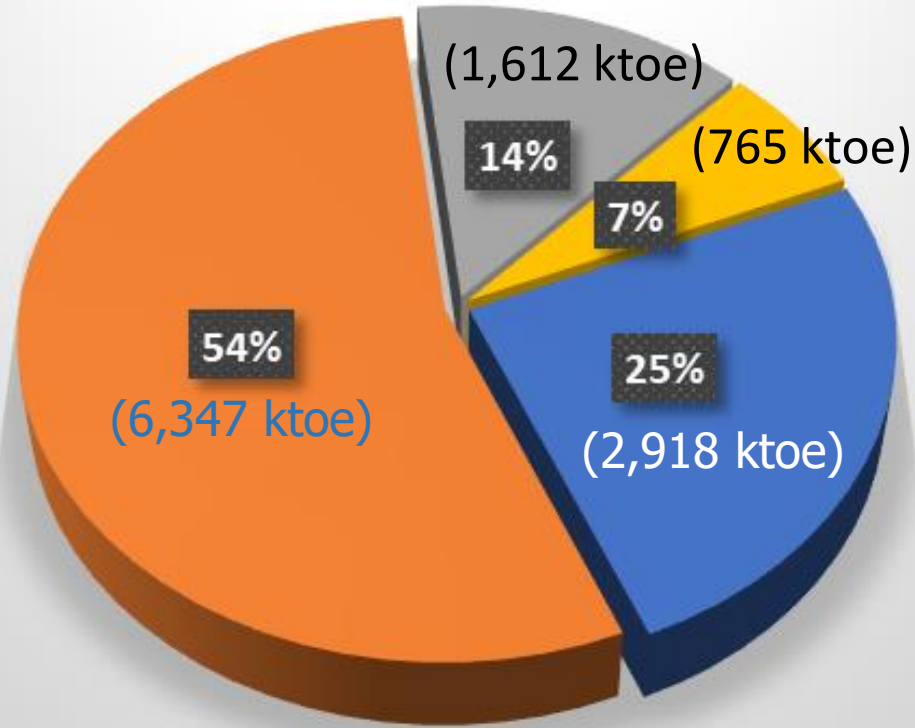
Department of Alternative
Energy Development and Efficiency
MINISTRY OF ENERGY

Present to
The 55th APEC EGNRET Meeting

14 May 2021



Renewable Energy Status (Y 2020)

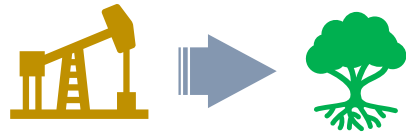


■ Electricity ■ Thermal ■ Biodiesel ■ Ethanol

	RE's applications	
	Electricity (MW)	Thermal (ktoe)
1. Solar	2,982.62	10.59
2. Wind	1,506.82	-
3. Small Hydropower	190.39	-
4. Biomass	3,517.38	5,903.00
5. Biogas	557.25	688.00
6. Municipal Solid Waste	333.68	115.00
7. Large Hydropower	2,919.66	-
8. Geothermal	0.30	-
Total	12,008.10	6,717
Biofuels		
1. Ethanol	4.08 million liters/day	
2. Biodiesel	5.11 million liters/day	

	2019	2020
%RE share to the final energy consumption	16.50% (14,136 ktoe)	15.13% (11,642 ktoe)

Bio-Circular-Green (BCG) Economic Model



Targeted S-curve Industries

1. Food & Agro Industries

2. Energy & Biochemical Industries

3. Health & Medical Industries

4. Travel Industry

Bioeconomy
Using bio-material
for industrial
production

Green
economy

Problem solving
by natural
methodologies

BCG
Model

Circular
economy

- Production circulation
- "Zero Waste"

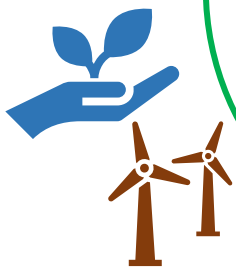
Use



Recycle

Expected outcomes

- Increase domestic GDP to be 4.3 trillion THB within 5 years
- Support local economic (e.g. agricultural sector)
- Achieving the Sustainable Developments Goal (SDGs)





Thank you for
your attention



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