

Department of Alternative Energy Development and Efficiency MINISTRY OF ENERGY

Policy Making and Technologies Deployment of New and Renewable Energy to Achieve APEC Doubling Goal (Thailand)

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Renewable Energy Situation 2023

AEDP 2018 Target by 2037 and 30% of the final energy consumption

Electricity 12,905.16 MW	
tatus	Target
2023	2037
MW)	(MW)
3,252.05	
	12,139
45	_
	2,725
3,872.46	E 700
1 545 33	5,790
	2.989
652.94	_,
	1,565
376.81	
	900
34.43	75
102	15
192	308
0.30	
	-
	<pre>(12,905.16 tatus 2023 MVV)</pre>





Total RE share : <u>14.6%</u> of total final energy consumption



Thailand Energy Master Plan

Goals

- Promote clean energy utilization and reduce CO2 emission to be 'ZERO' within 2065-2070
- Strengthen competitiveness and investment potential of Thai entrepreneurs for adaptation in the low-carbon economy, including promote the modern innovation investment to create economic value

To be in line with Long-Term Low greenhouse gas Emission Development Strategies (LT-LEDS)

Higher Energy Security



Current situation on energy policy implementation

Electricity generation from RE and energy efficiency



EI@Y2021:18.74% (Base year 2010)





Benefits from Adapting Low Carbon Economy Energy Plan



Create economic value

Reduce investment in underperforming stranded assets

Increase the competitiveness

Supporting trade models through the carbon tax mechanisms



Economic recovery after COVID-19



Mitigate the impacts of PM 2.5



Increase investment and employment in the economy (by increasing RE)



Renewable Energy Promotion Measures

- Promote the RE purchasing plan (feed-in tariff) with the satisfied purchasing price
- Promote the installation of RE power system
- Develop RE infrastructures
- C Enhance RE system efficiency
- Promote the usage of RE heat in industries
- Promote the use of renewable energy as the primary fuel (or co-firing)
- Promote the use of RE heat instead of LPG on a community basis
- Tax incentives or other financial supports
- Promote and develop the supply chain for renewable fuels



- Considering for the proper fuel type for land transport
- Promote the usage of sustainable aviation fuel (SAF)
- Promote other alternative fuel (Hydrogen)

Senhancing the energy data system integration

- CENCOURAGE R&D in RE
 - technology and developments
- RE knowledge distribution
- Human development and
 - capacity-building

