



# THAILAND

## Deep Transition and Integration of Power and Transport Systems

APEC project EWG 10 2018A  
Low Emissions Development Strategies: Supporting the Transition to  
Energy-Efficient, Electric-Transport Systems



# Introduction

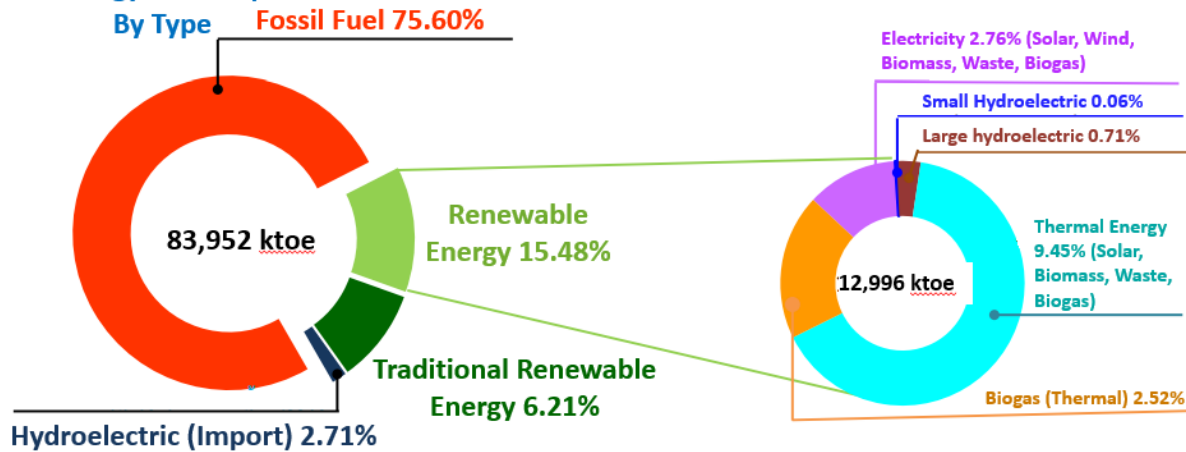
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- Introductions of economy representative/team members:
  - Miss. Minta Poowatanavong
  - Department of Alternative Energy Development and Efficiency, Ministry of Energy
  - Bureau of Energy Efficiency promotion
    - Energy Efficiency in Residential, Agricultural and Transport Sector
    - Create project to increase EE in these sectors
    - Promote EE to the public

# Current status of electricity and transport systems in Thailand

## Thailand Energy Situation 2018

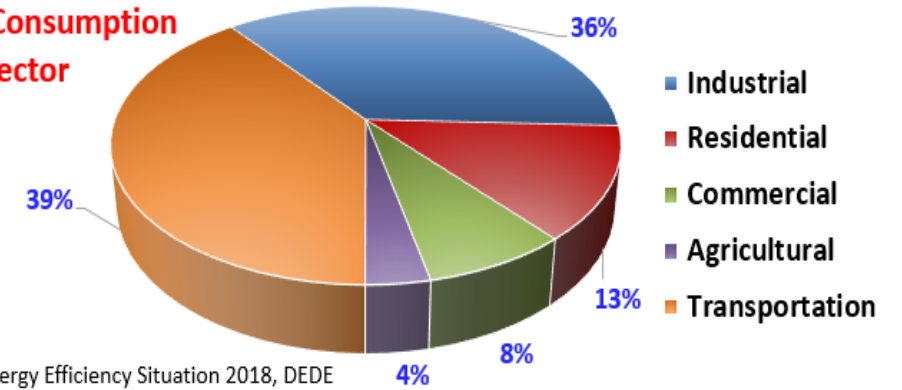
### Final Energy Consumption By Type



### Final Energy Consumption by Sector



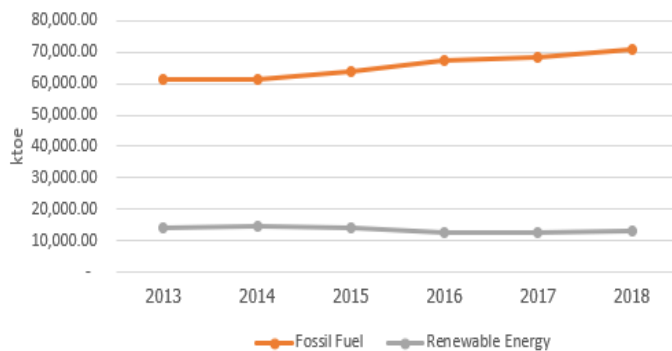
Source: Thailand's Energy Efficiency Situation 2018, DEDE



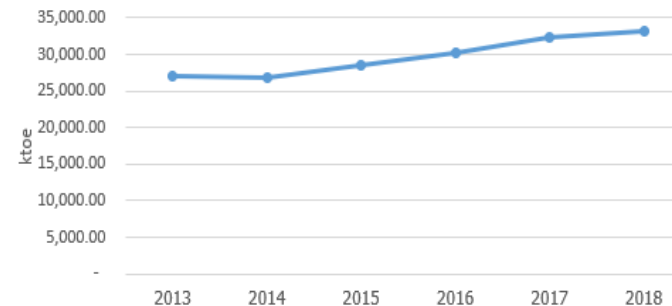
## Main Challenges

- ❖ Growth in population = more energy demand
- ❖ Limited Public Transport
- ❖ Infrastructure

Fossil Fuel vs Renewable Energy



Energy Consumption in Transport Sector



# Vision and goals for sustainable energy and transport



## Policies and Overarching strategy

- Thailand Integrated Energy Blueprint
- Energy Efficiency Plan (Transport Sector)
- Target: Reduce Energy Intensity by 30% in 2036 compare to 2010 (Total of 51,700 ktoe)
- Most saving come from Transport Sector of 58.4%

EE7	Initiative
EE7-1	Reconstruction the structure on fuel price (diesel)
EE7-2	Tax structure for vehicle & Eco sticker
EE7-3	Standard and labeling for vehicle
EE7-4	Logistics and Transportation Management
EE7-5	Eco Driving
EE7-6	Revolving Fund in Transport Sector
EE7-7	Subsidies in Transport Sector
EE7-8	Public Transport
EE7-9	Railway Improvement (Double Track)
EE7-10	Pipeline Improvement
EE7-11	Electric Vehicles (EV)

## Key Goals

- Improve and Increase Public Transport
  - State railway
  - Mass Rapid Transit
- 1.2 million EV cars in 2036
  - Infrastructure (EV charging station, Tax etc.)
  - Manufacture
- Shift Mode
  - Passenger
  - Freight Transport



## Pilot Project

- Subsidy 150 charging stations around the country
- Subsidy EV tuk-tuk
- Study MEPS&HEPS for charging station and electric motorcycle (Going to study MEPS&HEPS for tire next year)
- Eco-Driving 5000 truck drivers

# Setting expectations

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- What would really move our economy forward?
  - Government Policy
  - Technology
  - Public awareness
- What will make this conference a really valuable use of our time?
  - Learn the best practices and study their challenges
  - Sharing and exploring ideas
- What am I bringing to the conference?
  - Sharing ideas and experiences I have in Thailand
- What do I expect to take away from it?
  - Knowledge from speakers and other participants