Energy Efficiency Policies in Transport Sector in Thailand



Department of Alternative Energy Development and Efficiency MINISTRY OF ENERGY

Borwornpong Sunipasa

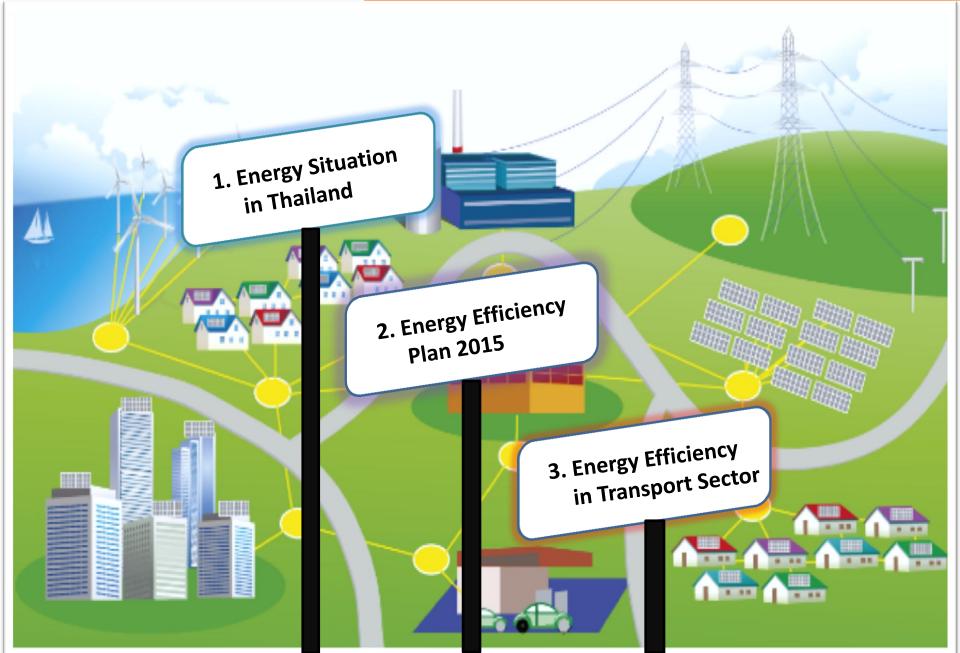
Department of Alternative Energy Development and Efficiency (DEDE)

Ministry of Energy

Workshop of APEC Supporting the Development and Implementation of Low-Emission Development Strategies (LEDs) in Transport Sector Lima, Peru 19-20 September 2017



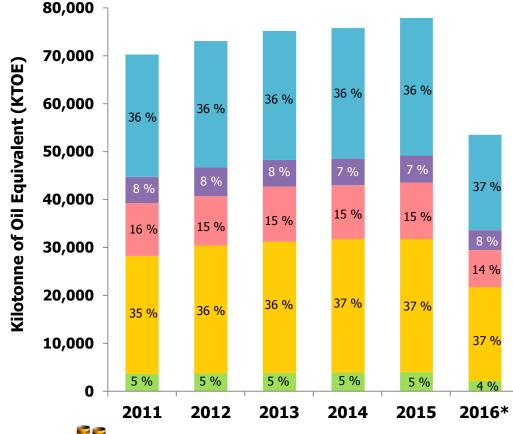
Outlines

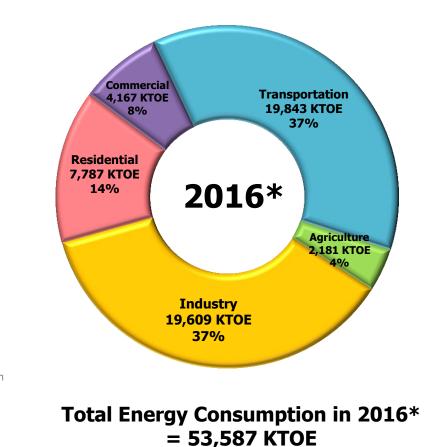




Total Energy Consumption

Share of Total Energy Consumption by Economic Sector in 2016*





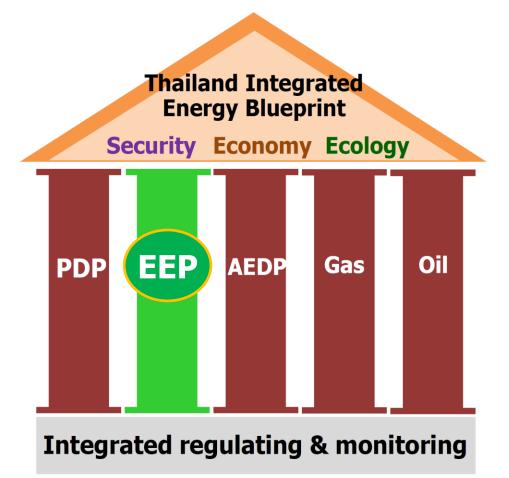


source : DEDE

* Jan-Aug



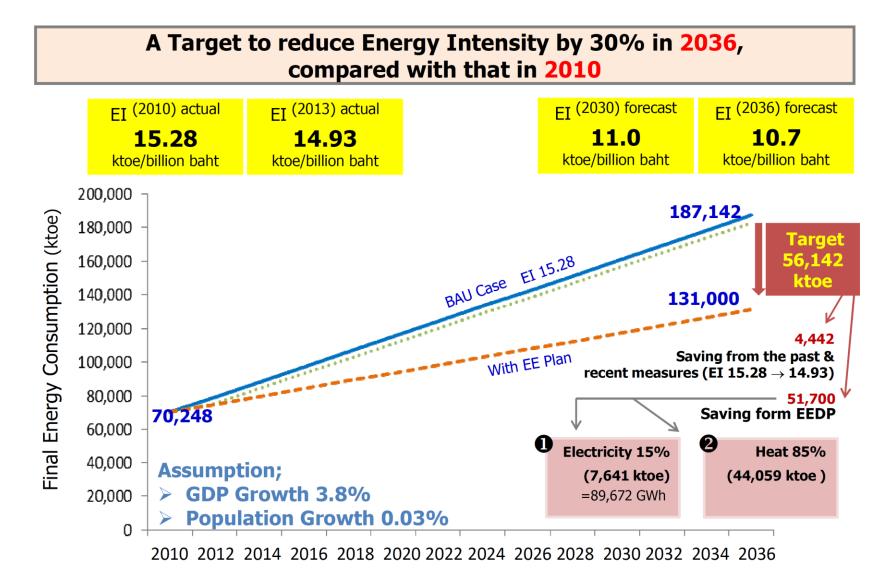
Integrating 5 Major National Energy Plans



- Based on the same period through long term approach planning (2015-2036)
- Main Focus on Country's Competitiveness & Sustainability



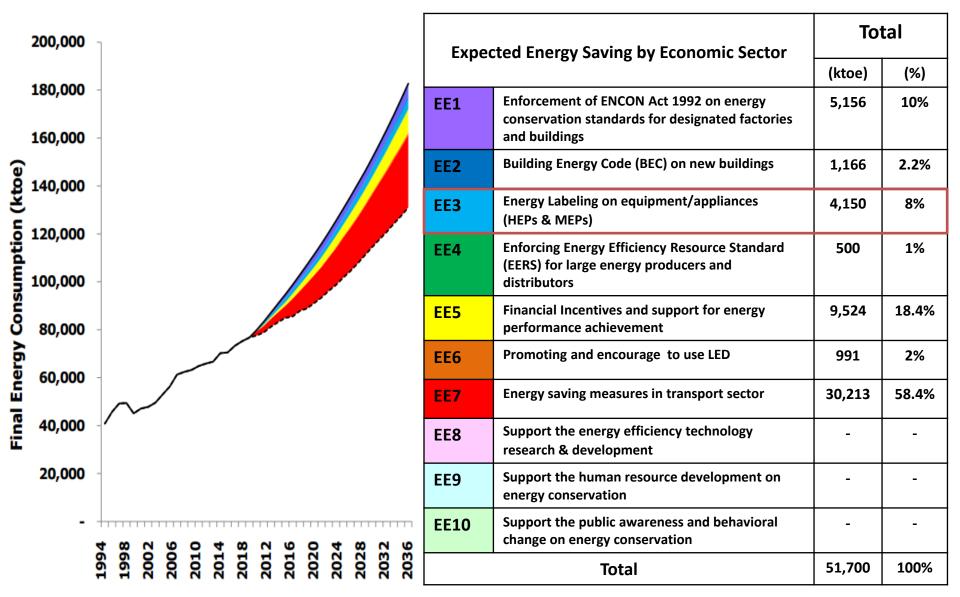
Energy Efficiency Plan (2015-2036)





Energy Efficiency Plan

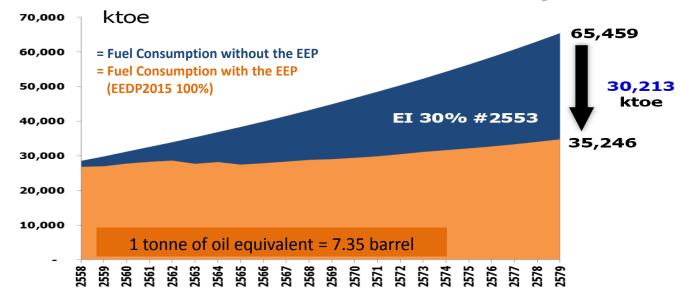
Summary of EEP 2015 Target by Measures

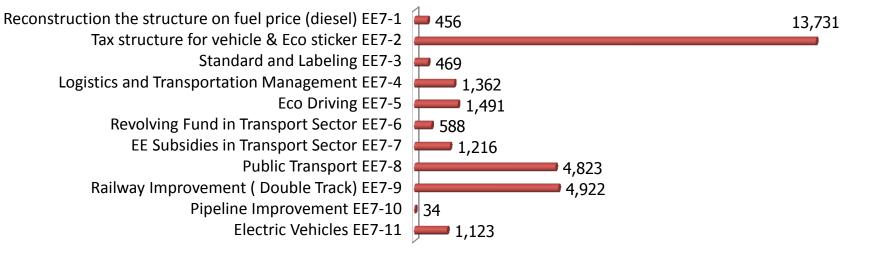


Energy Efficiency in transport sector -EE7

Energy Efficiency Plan on Transport Sector Saving Target (2015-2036)

Target 2015-2036 = 30,213 ktoe







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EE7 Performance

Unit : ktoe

Initiative	Agency	Activities	Target
EE7-1 Reconstruction the structure on fuel price (Diesel)	EPPO	Floating Diesel price. Target saving of 9.2 million liters	456
<text></text>	OIE and The Excise Department	 Eco Sticker the rate of CO2 and oil consumption (Start on the January 1st 2016) Approved 97 company of 2,249 versions Eco Stickers From that date the CO2 emission has decreased Sales on the first tenth month of 2016 passenger car: 266,938 cars pick-up truck and others: 350,221 cars Further information: www.car.go.th 	13,731
EE7-3 Standard and Labeling for tire	DEDE and TISI	TISI is constructing the driving test circuit and tire testing center, which will be completed in 2018. The study of standard and labeling will be studied after its complete and will be ready by 2020	469



EE7 Performance

unit : ktoe

Initiative	Agency	Activities	Target
EE7-4 Logistics and Transportation Management	DEDE and FTI	 Transportation management system demonstration for an efficient logistics management Train 110 logistics company Tracking and initiatives to reduce energy consumption in transport sector Traffic modeling Create a data base to collect each car mileage 	1,362
EE7-5 Eco Driving	DEDE, DLT and FTI	 Eco- driving Training 4 region total of 400 drivers (2 days training) Create a network for training centers In 2018 target 5,000 drivers 	1,491
EE7-6 Revolving Fund in Transport Sector	DEDE and FTI	Under evaluation for a appropriate approach - ESCO for transport sector	588



EE7 Performance

unit : ktoe Rate: 1 US dollar = 33 Thai Baht

Initiative	Agency	Activities	Target
EE7-7 Subsidies in Transport Sector	DEDE and FTI	 In 2016 Encourage to switch to radial tire Support 200 companies of 500,000 baht each (total of 100 million baht) 	1,216
EE7-8 Public Transport	OTP	 Under construction: Sky train network and Subway train network Fundamental information about energy saving evaluation 	4,823
EE7-9 Railway Improvement (Double Track)	OTP	 Under construction: Double Track Railway High-Speed Rail 	4,922



EE7 Performance

unit : ktoe

Initiative	Agency	Activities	Target
EE7-10 Pipeline Improvement	DOEB	Action plan on transporting oil via pipeline to northern and eastern parts of the country	34
EE7-11 Electric Vehicles (EV)	EPPO	 Foundation to develop the infrastructure on electric vehicles Development Plan for EV Subsidy for 150 electrical charging stations Encourage tuk tuk to be EV Purchase of 200 EV buses 	1,123



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EE7 Committee

Structure of Responsible Ministry/Bureau for EE7 Plan

Working and Tracking Committee

- DEDE Director General or DEDE Deputy Director General as a president of the committee
- Representatives from the Energy Efficiency Plan Committee
- Relevant Agencies
- DEDE works as a secretary

Energy Efficiency Plan on Transportation Committee

- Deputy Prime Minister as a Chairman
- Minister of Interior
- Minister of Energy
- Minister of Transport
- Minister of Industry
- Minister of Natural Resources and Environment
- Permanent Secretary of Ministry of Finance or Representatives
- Permanent Secretary of Ministry of Energy or Representatives
- Permanent Secretary of Labour or Representatives
- Secretary of Fiscal Policy Office or Representatives
- Director of The office of Transport and Traffic Policy and Planning or Representatives
- Director of The Office of Industrial Economics or Representatives
- Director of The Energy Policy and Planning Office or Representatives
- Representative from The Land Transport Federation of Thailand
- Professional Advisory in Energy Efficiency on Transport Sectors
- DEDE works as a secretary



- 1. Unstable policies
- 2. The project fundamental is behind schedule
- 3. Fluctuate in oil price
- 4. People understanding on energy efficiency



Thank You Department of Alternative Energy Development and Efficiency, Ministry of Energy, Thailand www.dede.go.th