## Carbon Neutrality Policy For Thailand

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## **Carbon Neutrality Policy**

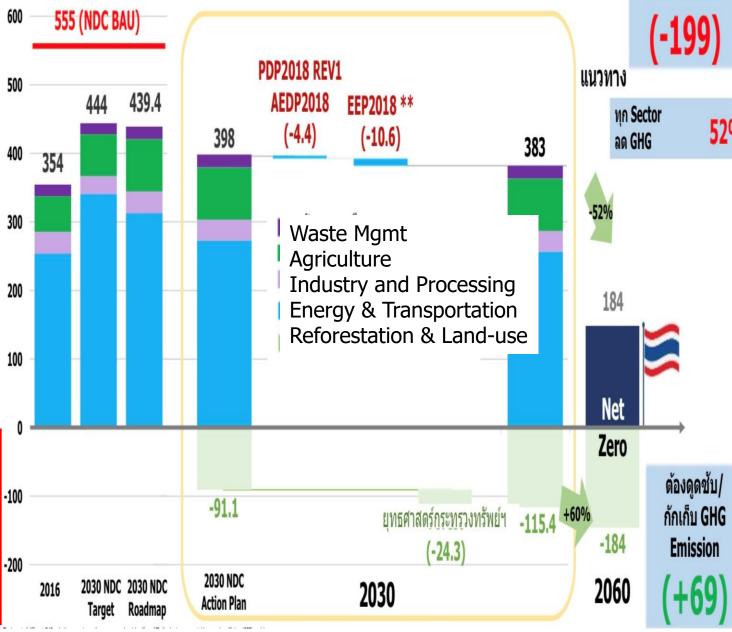
Policy Considerations  $\rightarrow$  Trade off:

- 1. "Domestic development" or "Imported supply" of Clean Energy?
- 2. Planning based on "Existing" or "Emerging & Unproven Technologies"
- Market transformation based on "Quick & Disruptive" or "Gradually Progressive"

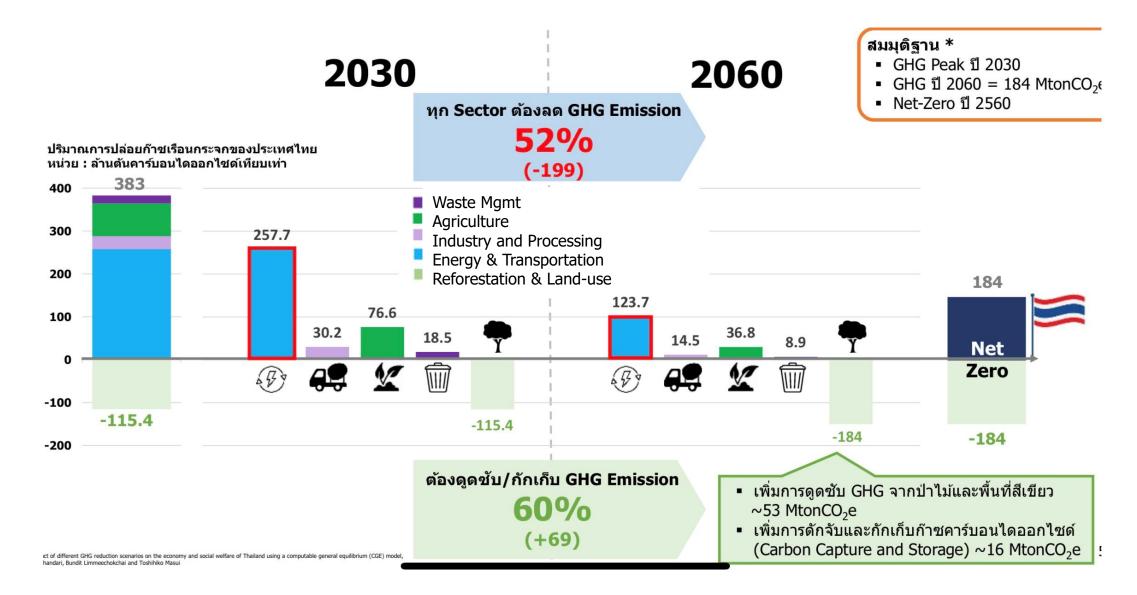
### **Status Quo and Existing Plans**

#### <u>Thailand</u>

- Emitted 354 m.ton of GHG @2016 (our NDC baseline)
- Had submitted NDC targets and developed a comprehensive roadmap where the projection pointed to the level of emission at 444 m.ton at 2030 (vs. 555 of BAU case)
- Additional efforts → revised plans:
  - MoNRE's reforestation revised plan will increase carbon sinks capabilities from 91.1 to 115.4 m.ton in 2030
  - MoEN's integrated energy blueprint (PDP/AEDP/EEP) 2018 will further reduce the emission by 15 m.ton by 2030
- Now planning with assumptions:
  - Peak year @2030
  - Net-Zero year @2060
- The remain of 199 m.ton of GHG or 52% need <sup>™</sup> to be mitigated further



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### Policy Considerations →

 "Domestic development" or "Imported supply" of Clean Energy?

#### → What are we considering....

1.1 More imported power from neighboring countries via ASEAN Power Grid1.2 More RE development domestically with focus on Solar & Biofuels

 Planning based on "Existing" or "Emerging & Unproven Technologies"

#### Both.....

2.1 Advanced EE in Industries & Smart Cities2.2 Anticipating more carbon sink technologies esp. CCUS

- 2.3 Anticipating Hydrogen to mix with Natural Gas
- 2.4 Next-Gen Biofuels for jet fuels

3. Market transformation based on "Quick & Disruptive" or "Gradually Progressing"

#### Both.....

- 3.1 Biomass pallet (ala Reforestation) replacing coal in industries
- 3.2 EVs gradually replacing ICE vehicles

# Thank you

# Back up

