



### EWG 04 2019A:

# Exploring Co-Benefit Opportunities for Renewable Energy and Energy Efficiency Projects in the APEC Region

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**APEC EGNRET Meeting** 

XXX

Month 2020





## Exploring Co-Benefit Opportunities for RE/EE Projects in the APEC Region

- Project overseer
  - ✓ Department of Alternative Energy Development and Efficiency (DEDE)
- Duration
  - ✓ Aug 2019 Oct 2021 (extension due to COVID-19 pandemic)
- Contractor & Team members
  - ✓ National Metal and Materials Technology Center (MTEC), Thailand

- Co-sponsoring economies
  - ✓ United States of America; Japan; Chinese Taipei; Hong Kong, China



## Project details

#### Objectives

- ✓ To share best practices of successful joint projects for RE&EE implementation with co-benefit in power generation and distribution, transport, and buildings sector
- ✓ To develop guideline with criteria and framework for joint RE&EE projects with co-benefit technically and economically
- √ To share example of cost benefit analysis (CBA) on successful projects (e.g. RE&EE in transport sector EV & biofuel)
- ✓ To build capacity and network for co-benefitting project developers in designing, planning and assessing potential RE&EE joint project

#### Workshops & seminar

- ✓ 1<sup>st</sup> WS (1 day meeting & 1 day technical visit): Mar 2021 held hybrid with online participation from abroad and in-person participation in Thailand
- √ 2<sup>nd</sup> WS (1 day meeting & 1 day technical visit): Jun 2021 held hybrid with online participation from abroad and in-person participation in Thailand

#### Outcomes

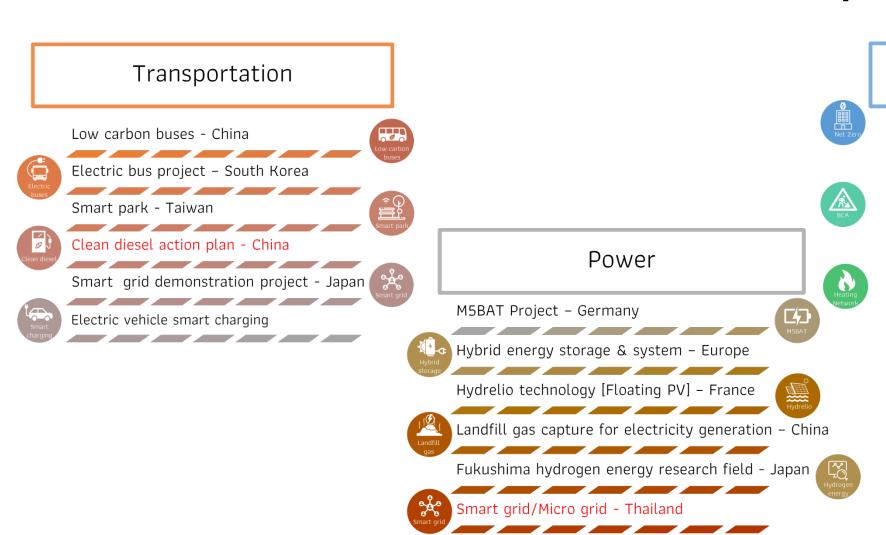
✓ Guideline for joint RE&EE project proposal evaluation with training materials to share example of conducting cost benefit analysis (CBA) on successful projects







## Extensive reviews of RE/EE projects





APEC Nearly (Net) Zero Energy Building Program

ASEAN Energy Awards [AEA] - Green Buildings

Building and Construction Authority of Singapore [BCA]

Thai's Rating of Energy and Environmental Sustainability (TREES)

District Heating Network - China (Qingdao)

Renewable Power-to-heat

