



Asia-Pacific
Economic Cooperation

Thailand Proposal:

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

Co-sponsor: China, Chinese Taipei,
Japan, Malaysia, Philippines, Republic
of Korea, USA



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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



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Scope

- Research work on best practices of **successful joint projects for RE&EE with co-benefit** in power generation and distribution, transport, and buildings sectors
- 2-day workshop 1 in **Maui, Hawaii, USA** (Mar 2020) with Hawaii Energy Conference
 - Day 1: workshop to brainstorm on RE&EE project development criteria, framework and guideline of the joint project
 - Day 2: site visit to Hawaii Natural Energy Institute and Hawaiian Electric Company
- 2-day workshop 2 in **Bangkok, Thailand** (Jun 2020)
 - Day 1: capacity-building workshop on co-benefitting project developers
 - Day 2: site visit to project sites (DEDE, EPPO, EGAT, PEA, NSTDA)



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Outcome

- **Co-benefit from RE&EE aspects can be realized** through best practices of successful joint projects, for RE&EE implementation
- The **delivered guideline for the joint RE&EE project** will be the resources for APEC Secretariat, EWG, EGNRET, EGEE&C, and Energy related Ministries of the APEC Economies during their call for proposal and proposal evaluation of renewable energy related projects for technical and economic justification.
- Training Materials are developed to share example of conducting **cost benefit analysis (CBA) on successful projects** (e.g. RE&EE in transport sector - EV & biofuel) , especially those projects with more social benefit than financial feasibility.
- Capacity building and networking are available for **co-benefitting project developers** in project designing, planning, assessing and conducting cost-benefit analysis.
- **More joint RE&EE are expected** to be implemented and thus increase the APEC Renewable Energy and Energy Efficiency goals.