



Asia-Pacific
Economic Cooperation



Department of Alternative
Energy Development and Efficiency
MINISTRY OF ENERGY

Thailand Proposal: Accommodating Disruptive Technology into RE&EE Policy for Energy Security

**Co-sponsor: China, Chinese Taipei,
Hong Kong, Japan, USA**



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Objectives

- To review the impact of disruptive technologies on the power generation and distribution, transport, and buildings sector
- To share best practices on RE&EE policy to accommodate the disruptive technologies
- To build capacity on integration of the disruptive technologies for energy security.
- To build capacity and network for co-benefitting project developers in designing, planning and assessing potential RE&EE joint project



Scope

- Review of current disruptive technologies on power generation/distribution, transport and buildings sectors with highlights on best practices of **successful RE&EE policy to accommodate those disruptive technologies**
- 2-day workshop 1 in **Bangkok, Thailand** (Oct 2020) with Hawaii Energy Conference
 - ❖ Day 1: workshop to brainstorm necessary (new/revised) RE&EE policies to accommodate disruptive technologies
 - ❖ Day 2: site visit to sandbox project
- 2-day workshop 2 in **Seoul, Republic of Korea** (Apr 2021)
 - ❖ Day 1: capacity-building workshop on policy recommendation to integrate disruptive technologies
 - ❖ Day 2: site visit to showcase of disruptive technologies



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Outcome



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- **Disruptive technologies can be positively accommodated** though new and/or revised RE/EE policies in power generation/distribution, transport and buildings sectors.
- The **delivered recommendation on necessary RE&EE policies** to accommodate disruptive technologies will be the resources for EWG, EGNRET, EGEE&C, and Energy related Ministries of the APEC Economies to consider preparing for incoming disruptive technologies
- Training Materials are developed to share example of RE&EE policies, which **successfully allow disruptive technologies to help increase energy efficiency and share of renewable energy.**
- Capacity building and networking are provided **for related stakeholders (policy and implementation) in accommodating disruptive technologies** into energy security through RE&EE projects.