

**APEC Expert Group on
New and Renewable Energy Technologies**

EGNRET 48 Outcomes

Dr. Chung-Hsien Chen

March 30, 2017



**Asia-Pacific
Economic Cooperation**

EGNRET

EGNRET 48 & EGEE&C 49 Joint Meeting

Jeju, Republic of Korea, Mar. 28-31, 2017

Participating Economies & Organisations



- ◆ **Economies (10): Hong Kong, China; Indonesia; Japan; Korea; Malaysia; The Philippines; Singapore; Chinese Taipei; Thailand; United States**
- ◆ **APEC fora (5): EGEDA, APERC, LCMT, APSEC, and PPFS**
- ◆ **Non-APEC organisations (5): IRENA, IEA (video conference), ICA, Clean Energy Solutions Center (CESC), Malaysia Biomass Industries Confederation (MBIC)**

Highlights from Economy Presentations



◆ Meeting Theme

- How to achieve the RE goal in APEC Region

◆ Presentation highlights

- Efforts to increase the use of renewable energy clearly observed throughout Economies
- Some barriers remained to be overcome: grid stability, financing, public consensus, etc.
- Strengthened experience exchange among APEC Economies, international organisations needed

Confirmed Strengthening Collaboration in-/outside APEC



◆ Inside APEC

- Collaboration with other APEC fora: APERC, EGEE&C, EGEDA, APSEC, LCMT Task Force, PPFS, PPSTI
- Disseminating results of APEC projects, e.g., PRLCE, PREE, and LCMT, etc.

◆ Outside APEC

- IEA, IRENA, ERIA (Economic Research Institute for ASEAN and East Asia), ERIN (Energy Research Institute Network), CESC, and ICA

Draft ToR Amendments (to be circulated for confirmation)



◆ Leader's Declarations added

- Doubling the share of renewables in the APEC energy mix by 2030

◆ More activities to be involved

- Promoting urban sustainable development in the APEC region through smart cities development and the exchange of best practices on deployment of new and renewable energy technologies combined with smart grid, energy efficiency, etc.;
- Conducting researches related to doubling the share of renewables by 2030 in APEC's energy mix;
- Strengthening collaboration with other APEC fora such as APERC, EGEE&C, EGEDA, APSEC, LCMT Task Force, PPFS, PPSTI, and disseminating results of APEC projects, e.g., PRLCE, PREE, and LCMT, etc.;
- Collaborating with IEA, IRENA, ERIA (Economic Research Institute for ASEAN and East Asia), ERIN (Energy Research Institute Network), CESC, and ICA on promotion of renewable energy in the APEC region.

Project Progress Reports



◆ Completed projects (2)

- Ethanol Trade Development as Part of APEC's Renewable Fuel Strategy (United States)
- Strategy for Large-Scale Implementation of Biogas Capture from Palm Oil Mill Effluent and Reuse for Renewable Electricity Generation (United States)

◆ On-going projects (6)

- Study on the Cost-Effective Renewable Energy-Supply Solutions based on Innovative Solar Technologies to Promote Green Buildings in APEC Region (China)
- Best Practices for Developing the Green Energy Smart Farm in the APEC Region (Chinese Taipei)
- Long term reliability study of PV systems for installation on islands (Chinese Taipei)
- Heating Applications of Bio-pellet made from Ecological-Hazard Plant in Small and Medium Enterprises to Enhance Utilization of Renewable Energy in the APEC Region (Chinese Taipei)
- Filling the Gap to Reach the Goal of Doubling Renewable Energy in the APEC Region (Chinese Taipei)
- Guidelines toward High Biodiesel Blend Diesel (eg B20) Specification in the APEC Region (Thailand)

CNs Endorsement



◆ Endorsed during EGNRET 48

- Empowering a Distributed Energy Resource Future through Regulatory and Market Reforms (Thailand)

◆ Not-Endorsed during EGNRET 48 (to be circulated among EGNRET Representatives for endorsement)

- Strengthening Sustainable Growth by Promoting the Development of Offshore Wind Power in the APEC Region (China)

Discussion Results



◆ Further cooperation with PPFS

- Providing information on biomass resources
- Applying renewable energy on agriculture and fishery sectors
- Cooperating on promoting both the goals of PPFS and EGNRET

Thank you for your attention!

EGNRET website <http://www.egnret.ewg.apec.org/>



Asia-Pacific
Economic Cooperation

