Recent APEC & EGNRET Activities

EGNRET Secretariat
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1. Recent EGNRET Activities

1) EGNRET 52\textsuperscript{nd} meeting & Joint meeting w/ EGEEC

- **Host Economy:** Hong Kong, China
  Organizer: Electrical and Mechanical Services Department (EMSD), the Government of the Hong Kong Special Administrative Region
- **Meeting Dates:** March 18-22, 2019

2) APEC Workshop

- **APEC Workshop on Supporting Renewable Energy Integration and Energy Efficiency through Effective Regulation**
  Organized by the National Association of Regulatory Utility Commissioners (NARUC)
2. Joint Meeting

1) Participating Economies & Organizations

- Economies (12): Chile; China; Hong Kong, China; Indonesia; Japan; Malaysia; The Philippines; Singapore; Chinese Taipei; Thailand; United States; Viet Nam
- APEC fora (4): EGEDA, APERC, APSEC, LCMT-TF
- Non-APEC organizations (2): NARUC, ICA
2. Joint Meeting

2) Updates of APEC/ EWG/ EGs /APEC Centers

- APEC Secretariat Report
- EWG Secretariat - Updated development of APEC Energy Working Group
- Update of APEC EGEEC
- Update of APEC EGNRET
- EGEDA- Progress toward APEC Goals
- APERC - Overview of APERC Activities
- APSEC – APSEC Activity Updates

All presentations are available on the website at: https://www.egnret.ewg.apec.org/EGNRET52
3) Meeting Outcome

Key Areas for Collaborative Actions between EGEEC and EGNRET

- Key areas for collaborations including:

  Electric mobility, energy regulatory, transmission operator, business model, technical barrier and building sector, the target of doubling renewable energy and energy intensity.
2. Joint Meeting

4) Site Visit

Zero Carbon Building

Hong Kong Chinese University

International Commerce Centre
3. EGNRET Meeting

1) Participating Economies & Organizations

- Economies (10): Chile; Hong Kong, China; Indonesia; Japan; The Philippines; Singapore; Chinese Taipei; Thailand; United States; Viet Nam
- APEC fora (4): EGEDA, APERC, APSEC, LCMT-TF
- Non-APEC organizations (2): NARUC; Environmental Protection Department, Hong Kong, China
3. EGNRET Meeting

2) 4 Invited Presentations

- APERC: APEC Energy Demand and Supply Outlook to 2050: APEC Target Scenario
- APSEC: APSEC Research Results sharing: Research on Integrated Multi-energy System to Enhance Technological Progress of Renewable Energy Deployment in APEC Region
- LCMT-TF: Progress of the APEC Low-Carbon Model Town (LCMT) Project
- Environmental Protection Department, Hong Kong, China: Waste-to-Energy in Hong Kong, China

All presentations are available on the website at: https://www.egnret.ewg.apec.org/EGNRET52
3. EGNRET Meeting

3) Meeting Theme

Member Economy Presentation:
Waste to Energy in Urbanized Cities

Member economies introduced their plans, related regulations, incentives and developing projects for waste to energy.
3. EGNRET Meeting

4) Meeting Outcome

Discussion Topic 1: Achieving Doubling Renewable Energy Goal

- Suggest APEC Economies to:
  - Consider to change action plans, have more activities and work together to achieve the target.
  - Integrate renewable energy development into the long-term energy development plan
  - Have more workshop about renewable energy regulatory to share the best practice to benefit economies. (EGNRET)
4) Meeting Outcome

- In addition to EGEEC, EGNRET will consider to invite other expert groups/task force to have a joint meeting in the future if the agenda can be designed to meet mutual benefits (as we had in the joint meeting with EGEEC).

- Future meeting themes including:

  Challenges and strategies to promote renewable energy, geothermal development, financial mechanism, IoT enabled energy technology, etc.
5) Document Discussion and Sharing

**Document Discussion:**
- Policy Dialogue
- Energy Vision - Post 2020

**Document Sharing:**
- EWG Work plan
- EWG Strategic Plan
## 4. EGNRET Projects

<table>
<thead>
<tr>
<th>Status</th>
<th>Projects</th>
<th>Note</th>
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</thead>
<tbody>
<tr>
<td>Concept Note (Session 1, 2020)</td>
<td>1</td>
<td></td>
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<tr>
<td>Proposing Projects (Session 2, 2019)</td>
<td>3</td>
<td></td>
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<tr>
<td>Project in Implementation</td>
<td>6</td>
<td>1 Project (2016)</td>
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<td></td>
<td></td>
<td>1 projects (2018)</td>
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<td>4 projects (2019)</td>
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5. EWG 57 Summary

**Expert Group and Project Management**

- Expert groups are advised to update contact lists regularly and to enhance outreach to enrich membership, especially from private sectors and academia.

- POs should provide completion reports to APEC Secretariat on time. The Chairs of relevant expert groups are requested to follow up the progress with the POs.
Progress toward Renewable Energy Doubling Goal

- APEC will not be able to achieve its Renewable Energy Doubling Goal by 2030. Additional efforts are necessary especially in addressing the barriers to renewable development. More can be done to identify economy-by-economy barriers and to formulate policy responses as part of a comprehensive roadmap.
- EGNRET is requested to report what extra efforts are needed to reduce the gap of achieving Renewable Energy Doubling Goal. Renewable Energy Doubling Goal is for APEC in collective; therefore, inter-economy’s activities should be the focus.
- EGNRET is requested to look into areas such as knowledge sharing, capacity building, and to identify key areas that APEC can work together. The Lead Shepherd acknowledged the cooperation between APERC, EGNRET and EGEDA on the Renewable Energy Doubling Goal and wished the cooperation to continue.
- The Lead Shepherd mentioned that APEC is not the only international organisation that has renewable energy goal, and suggested EGNRET to work with IRENA to seek synergy.
6. EWG 58 Summary

- EGNRET is requested to have discussion on the policy dialogue on Renewable Energy Transition for Sustainable Growth relevant to the work towards RE doubling goal, and is advised to work with relevant sub-fora on it.

- The APEC Leader’s Meeting in 2020 will be held in Malaysia. Please consider to cooperate Malaysia and let Malaysia to be the priority to host meetings.
Thank you for your attention!

EGNRET website http://www.egnret.ewg.apec.org/
## Annex. Project Updates

### 1) 1 CN

<table>
<thead>
<tr>
<th>APEC-funded Project Title</th>
<th>Proposed Economy</th>
</tr>
</thead>
<tbody>
<tr>
<td>Facing the Challenges of Integrating Electrical Vehicles and Solar Rooftop PV in Electricity Distribution Systems with Continued Performance of Distribution Transformers</td>
<td>Thailand</td>
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</tbody>
</table>
### 3) 6 On-going APEC-funded Projects

<table>
<thead>
<tr>
<th>APEC-funded Project Title</th>
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</tr>
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<tbody>
<tr>
<td>Low Emissions Development Strategies: Supporting the transition to energy efficient,</td>
<td>USA</td>
<td>EWG 10 2018A</td>
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<tr>
<td>electric transport systems</td>
<td></td>
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<tr>
<td>Off Grid Electrification Option for Remote Regions in APEC Economies</td>
<td>China</td>
<td>EWG 07 2016A</td>
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<tr>
<td>APEC Workshop on University Collaboration to Support Data Gathering and Analysis in Energy</td>
<td>USA</td>
<td>EWG 06 2019A</td>
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<tr>
<td>Efficiency and Renewable Energy</td>
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<tr>
<td>Filling the Gap to Reach the Goal of Doubling Renewable Energy in the APEC Region-Phase</td>
<td>Chinese Taipei</td>
<td>EWG 02 2019A</td>
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<td>2</td>
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<tr>
<td>APEC Multi-stakeholder Dialogue on Promoting Renewable and Clean Energy Policies</td>
<td>Viet Nam</td>
<td>EWG 03 2019A</td>
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<tr>
<td>Exploring Co-Benefit Opportunities for Renewable Energy and Energy Efficiency Projects</td>
<td>Thailand</td>
<td>EWG 04 2019A</td>
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<td>in the APEC Region</td>
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### Annex. Project Updates

#### 3) Approved in-principle (Project Proposal Stage)

**2019 Session 2**

<table>
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<tr>
<th>Project Title</th>
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<tbody>
<tr>
<td>2. APEC Workshop on Strategies and Successful Case Studies on Solar Energy</td>
<td>Viet Nam</td>
<td>EWG 10 2019A</td>
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<tr>
<td>3. Evaluation of Energy Technologies, Programs and Policies</td>
<td>USA</td>
<td>EWG 12 2019A</td>
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</tbody>
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## Annex. Project Updates

### 4) 2 Completed Project since EWG 57

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<tr>
<td>1 Technological Challenges and Opportunities to Supply Flexibility to Electric Systems</td>
<td>Chile</td>
<td>EWG 15 2018A</td>
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<tr>
<td>2 APEC Workshop on Public-Private Partnership for Solar Energy Development</td>
<td>Viet Nam</td>
<td>EWG 12 2018A</td>
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