Overview of APERC Activities

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Asia Pacific Energy Research Centre (APERC)
APERC was established in Tokyo in 1996 after the Osaka APEC leaders meeting in 1995.

Primary objective is to foster a common understanding of energy challenges facing APEC member economies.

- Through analysis of the supply and demand outlook.
- The development of energy markets.
- Discussion of policy responses.
APEC overview
1. Research activities
   a. APEC Energy Demand and Supply Outlook (EDSO)
   b. Yearly APEC Energy Overview
   c. APERC Oil/Gas/Coal Reports
   d. Topical studies

2. Cooperative Projects
   a. Peer Review on Energy Efficiency (PREE)
   b. Renewable Energy Projects (PRLCE, LCMT)
   c. Energy Security Projects (OGSI)

3. Training and Data Collection

4. Annual Conference and Advisory Board meeting

5. Other activities/missions
The ‘APEC Energy Demand and Supply Outlook’ project is a priority task, published every 3-4 years.

- Two volumes: APEC as a region and individual economy reviews.

- The 6th edition was released in May 2016.

The 7th edition is well underway. Similar in structure to the 6th, but with expanded modelling and new scenarios. Drafts have been sent for expert review (some have already been returned). Publication release at EWG 57 (April/May 2019).
APEC Energy Overview 2017

Energy Overview focuses on supply, demand and policy

- Introduction
- Energy Supply and Demand
  - Primary Energy Supply
  - Final Energy Consumption
- Energy Intensity Analysis
- Policy Overview
  - Energy Policy Framework
  - Energy Markets
  - Energy Efficiency
  - Renewable Energy
  - Climate Change
- Notable Energy Developments
- References
- Useful Links

For more information visit: http://aperc.ieej.or.jp/publications/reports/energy_overview.php
APEC Peer Review on Energy Efficiency (PREE)

1. Review on Energy Efficiency and follow up
   - 7 phases, across 11 economies so far: New Zealand, Chile, Viet Nam, Thailand, Chinese Taipei, Peru, Malaysia, Indonesia, Brunei Darussalam, and Mexico.
   - Russia in November [TBC].
   - Peru in March next year.

2. Energy Efficiency Policy Workshop (EEP)
   - Most recently held in Washington at EGEE&C 50.

3. Energy Efficiency Policy Compendium
   - Latest and last publication: October 2017

For more information, visit http://aperc.ieej.or.jp/publications/reports/compendium.php
Topical research in 2017/8

1. APERC Coal Report 2017
2. Investments in Natural Gas Supply Chain under the Low Price Environment
3. APERC Oil Report 2018
4. APERC Gas Report 2018
5. Analysis of cost-optimal deployment of variable renewables and grid interconnection in northeast Asia.
6. APEC oil and gas security exercise.
7. Oil and Gas Security newsletters.
Cooperative activities

<table>
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<tr>
<th>Year</th>
<th>PREE</th>
<th>FU PREE</th>
<th>PRLCE</th>
<th>LCMT</th>
<th>OGSE</th>
<th>OGSNF</th>
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<td>6.PNG</td>
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**PREE**
- 1.NZ
- 2.CHL
- 3.VN
- 4.THA
- 5.CT
- 6.PE
- 7.MAS
- 8.INA
- 9.RP
- 10.BD

**FU PREE**
- 1.VN
- 2.RP
- 3.THA
- 4.MAS
- 5.VN
- 6.PNG

**PRLCE**
- 1.THA
- 2.RP
- 3.INA
- 4.MAS
- 5.VN
- 6.PNG

**LCMT**
- 1.Yujiapu PRC
- 2.Samui THA
- 3.Da Nang, VN
- 4.San Borja PE
- 5.Bitung RP
- 6.Mandaue RP
- 7.Krasnoyarsk RUS

**LCMT Symposium**
- 1.Jakarta INA
- 2.Da Nang VN
- 3.San Borja PE (TBC)

**LCMT Dissemination**
- 1.Band Aceh, INA
- 1.Hang Tuah Jaya, MAS
- 1.Shah Alam, MAS

**OGSE**
- SE Asia
- INA
- Launched OGSI

**OGSNF**
- 1.RP
- 2.AUS
- 3.PE
- 4.CHL (TBC)

**EMM8**
- APEC Leaders Sydney Meeting
  - Energy intensity reduction goal of APEC region by at least **25% by 2030**
  - Introduction of PREE

**EMM9**
- APEC EMM in Fukui
  - Launch of PRLCE & LCMT Continuation of PREE & CEEDS

**EMM10**
- APEC Leaders Honolulu meeting
  - APEC’s aggregate energy intensity reduction goal of **45% by 2035**

**EMM11**
- APEC EMM in St. Petersburg
  - Instruction on improving the response to oil and gas emergency situations (OGSE)
  - **Approval of OGSI**
  - **Goal of doubling the share of renewables by 2030**

**EMM12**
- APEC EMM in Cebu
  - Instruction on enhancing the quality of electric power infrastructure
  - Move LCMT to the dissemination stage
Training activities

APERC accepts energy modelling trainees from developing economies.

• Seminar in Tokyo from 5-13 November 2018.

Also dispatch experts to develop energy data and modelling capacities around the region.

• Five workshops in FY 2017/18: Mexico, PNG, Peru and Indonesia (twice). Chinese Taipei in August.

A cooperation course on ‘Energy Issues in the Asia-Pacific Region’ at Waseda University (Tokyo) started April 2016.