The 55th Meeting of APEC Energy Working Group (EWG)
Hong Kong, China, 16-17 May, 2018

5.a. APERC President’s Report

Takato OJIMI
President, APERC
5.a. (1) APERC Activities Overview

- Instruction
- Reporting

EGEEC → EGNRET → EGCFE → LCMT-TF → EMM → EWG

EGEDA

EI → LCMT → RE → PRLCE → OGSI

- PREE
  - PREE & Follow-up PREE
  - Compendium
  - EE Policy Workshop

(2) Research on Market Development & Energy Policies
Oil/Gas/Coal Reports

(1) APEC Energy Demand & Supply Outlook

Annual Conference Advisory Board Meeting

(4) Data Network

LNG Producer-Consumer Conference with METI

(3) Model Training

(5) Cooperative Projects

- PREE
  - Compendium

- EE Policy Workshop

- OGSI
  - OGSE (Exercise)
  - OGSN (Network)
  - OGSS (Study)
5.a. (2) APERC Tasks and Activities in 2018

- Continue to meet the current acute needs of APEC member economies by choosing appropriate research themes including preparation for the 7th Edition of APEC Demand and Supply (D/S) Outlook <TOR (1)(2)>
- Explore win-win collaboration between APEC D/S Outlook exercise and APEC energy data network <TOR(4)>
- Accept trainees and dispatch experts through listening to real needs of each economy <TOR(3)>
- Directly assist APEC member economies with Cooperative Activities to achieve APEC’s aggregate energy intensity reduction goal of 45% by 2035 and goal of doubling the share of renewables by 2030 <TOR(5)>
- Strengthen efforts into oil and gas security and continue to promote dissemination of low-carbon town development <TOR(5)>
The ‘APEC Energy Demand and Supply Outlook’ project is a priority task for APERC under the APEC Energy Action Programme adopted by leaders in 1995.

The 7th edition is underway and builds on enhanced engagement with energy experts in economies initiated during 6th edition Outlook roadshow.

Economy input: Valuable feedback received during preliminary results review will help to improve APERC analysis. Further feedback on text will be needed this year.

3 Scenarios are planned: Business as Usual (current policies); APEC Target (combines Intensity Goal with Doubling RE Goal); 2 Degree Scenario (consistent with 2°C increase).

Timeline: Sept-Oct 2018 EWG and expert review of publication; April 2019 publication release at EWG 57.
5.a. (4) APEC Energy Overview

- The ‘APEC Energy Overview’ series started in 2000 with the approval of EWG19, in order to help policymakers to share useful information and deepen understanding on energy issues in the APEC region.
- The Overview is an annual publication, which contains updated energy demand/supply data as well as descriptions of energy policy and ‘Notable Energy Developments’.
- In 2014, “Energy Intensity Analysis” on year-on-year progress for each economy was included as agreed by EGEDA.
- The 2016 Edition was published in May 2017 and is available at: http://aperc.ieej.or.jp/publications/reports/energy_overview.php
- In response to the EGNRET request to monitor RE share development, “RE Share Analysis” is included in the Overview 2017 edition to be published in June 2018.

* APERC appreciates the contributions and assistance by EWG and EGEDA members.
5.a. (5) Trainees and Experts

- APERC accepts energy modelling **trainees** from developing economies.
  - **A seminar** in Tokyo will be held on 5-13 November 2018

- APERC also dispatches **experts** to help develop energy data and prepare energy demand and supply outlooks while enhancing ‘energy literacy’ of future leaders in the APEC region.
  - **5 workshops** were held in Mexico, Papua New Guinea, Peru and Indonesia (twice) in FY2017
  - **A cooperation course** on ‘Energy Issues in the Asia-Pacific Region’ at Waseda University, Japan is now in the third (final) year.
6th Meeting of Heads of JODI Partners Organizations was held in New Delhi, India on 10 April 2018.

EGEDA Training Program on Energy Statistics is now on its fifth year.

- Short-term training will be held on 20-31 August 2018.
- Middle-term training will be held on 20 August-12 October 2018.
  *The first two weeks will be held at the same time.

The 16th APEC Workshop on Energy Statistics will be held in Tokyo on 10-12 July 2018

## 5.a. (7) Cooperative Activities

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### PREE
- 2007: Launch of PREE & CEEDS
- 2018: Continuation of PREE & CEEDS

### FU PREE
- 2007: Launch of PREE & CEEDS
- 2018: Continuation of PREE & CEEDS

### PRLCE
- 2007: Launch of PRLCE & LCMT
- 2018: Continuation of PREE & CEEDS

### LCMT
- 2007: Launch of PRLCE & LCMT
- 2018: Continuation of PREE & CEEDS

### OGSE
- 2007: PREE Leaders Sydney Meeting
- 2018: APEC EMM in Fukui

### OGSNF
- 2007: PREE Leaders Sydney Meeting
- 2018: APEC EMM in Jakarta

### APEC Leaders
- 2007: Sydney Meeting
- 2018: Launch of PRLCE & LCMT
- 2019: Japan meeting

### APEC EMM
- 2007: PREE Leaders Sydney Meeting
- 2018: Launch of PRLCE & LCMT
- 2019: Japan meeting

### APEC EMM in Beijing
- 2018: Launch of PRLCE & LCMT
- 2019: Japan meeting

### APEC EMM in Cebu
- 2018: Launch of PRLCE & LCMT
- 2019: Japan meeting

### OGSE
- 2007: Launch of PREE & CEEDS
- 2018: Launch of PRLCE & LCMT
- 2019: Japan meeting

### APEC EMM in St. Petersburg
- 2018: Launch of PRLCE & LCMT
- 2019: Japan meeting

### APEC EMM in Beijing
- 2018: Launch of PRLCE & LCMT
- 2019: Japan meeting

### APEC EMM in Cebu
- 2018: Launch of PRLCE & LCMT
- 2019: Japan meeting

### Energy intensity reduction goal of APEC region by at least 25% by 2030
- 2018: Launch of PRLCE & LCMT
- 2019: Japan meeting

### Goal of doubling the share of renewables by 2030
- 2018: Launch of PRLCE & LCMT
- 2019: Japan meeting

### Instruction on enhancing the quality of electric power infrastructure
- 2018: Launch of PRLCE & LCMT
- 2019: Japan meeting

### Move LCMT to the dissemination stage
5.a. (7) Cooperative Activities (cont’d)

Peer Review on Energy Efficiency (PREE)  [⇒10.c.]

**Phase 7**

- **Follow-up PREE in Malaysia**
  - Date: 26-30 March 2018
  - Focus: Land transportation and thermal energy use in industry
  - Participants: 64 (incl. review team) from 6 Ministries, 8 government agencies and 8 industries association, etc.

- **3rd EEP Workshop in USA**
  - Date: 10 April 2018
  - Focus: Conformity assessment
  - Participants: 29 from 11 economies
5.a. (7) Cooperative Activities (cont’d)

Peer Review on Low Carbon Energy Policies (PRLCE) [⇒11.c.]
• APERC welcomes eligible economies to volunteer hosting future PRLCE.

Low-Carbon Model Town (LCMT) [⇒6.b.]

Phase 7
• Policy Review for Krasnoyarsk City, Russia was held on 5-7 December 2017
• Focus: Inland region with high demand for heating and cooling
• Participants: 34 (incl. review team) from Krasnoyarsk City Administration, Ministry of Ecology and Rational Natural Resource Management of Krasnoyarsk Territory, Siberian Federal University, Monolit Holding LLC, etc.
Oil and Gas Security Exercise (OGSE) 2017 in Lima, Peru

- Date: 6-8 November 2017
- Participants: 35 (incl. review team). Nearly half of the participants are from Ministry of Energy and Mines and the rest are from other ministries and industry
- Oil and Gas Emergency Scenarios were provided.

- Oil Emergency Scenario
  - Peru’s central coast region, where Lima is located, was hit by an 8.8 magnitude earthquake and tsunami and the La Pampilla refinery has completely stopped operations.

- Gas Emergency Scenario
  - Strong rains caused a massive landslide which fractured the Camisea gas pipeline, which transports more than 90% of Peru’s natural gas.
5.a. (8) Oil and Gas Security Initiative (cont’d)

Highlights of Oil and Gas Security Exercise in Peru

Oil Emergency Responses

• Peru needs to consider to buy oil products from Chile.
• Peru does have emergency agreement with its neighbours, which can be triggered if any of the economies struck with natural disaster.
• Need to have a comprehensive plan in order to mitigate and managed oil supply shortages during emergency.

Gas Emergency Responses

• In this exercise, Peru participants did not give any information on demand figures. Demand sector details are very important in emergency cases.
• The government also needs to gather data on available storage capacity and other details, it also needs to consolidate the data and details.
• Need to think on long term plans for emergency purposes especially on infrastructure. Some infrastructure might be costly and some may be worth to be invest in.
APERC has 27 research staff

- Takato Ojimi (President)
- James Michael Kendell (Vice President)*
- Kazutomo Irie (General Manager)
- Melissa Christenberry Lott (Assistant Vice President)*
- Kaoru Yamaguchi
- Edito Barcelona
- Cho Yee IP*
- Ruengsak Thitiratsakul*
- Goichi Komori
- Elvira Torres Gelindon
- Choong Jong Oh*
- Yusuke Kimura
- Martin M. Brown-Santirso*
- Takashi Otsuki
- Muhamad Izham ABD. Shukor*
- Alexey Kabalinskiy*
- Atikah Ismail*
- Fang-Chia Lee*
- Kirsten Nicole Smith*
- Yuko Tanaka
- Nguyen Linh Dan*
- Diego Rivera Rivota*
- Thomas Willcock*
- Gigih Udi Atmo*
- Yilin Wang*
- Juan Ignacio Alarcon*
- Takako Hannon
*17 visiting researchers
### 5.a. (10) APERC Budget

#### Unit: million yen

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Thank you for your kind attention

http://aperc.ieej.or.jp/