

7.a. APERCC President's Report

(Rev. 27 August 2020)

The 59th Meeting of APEC Energy Working Group (EWG)
26-27 August 2020

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President, APERCC



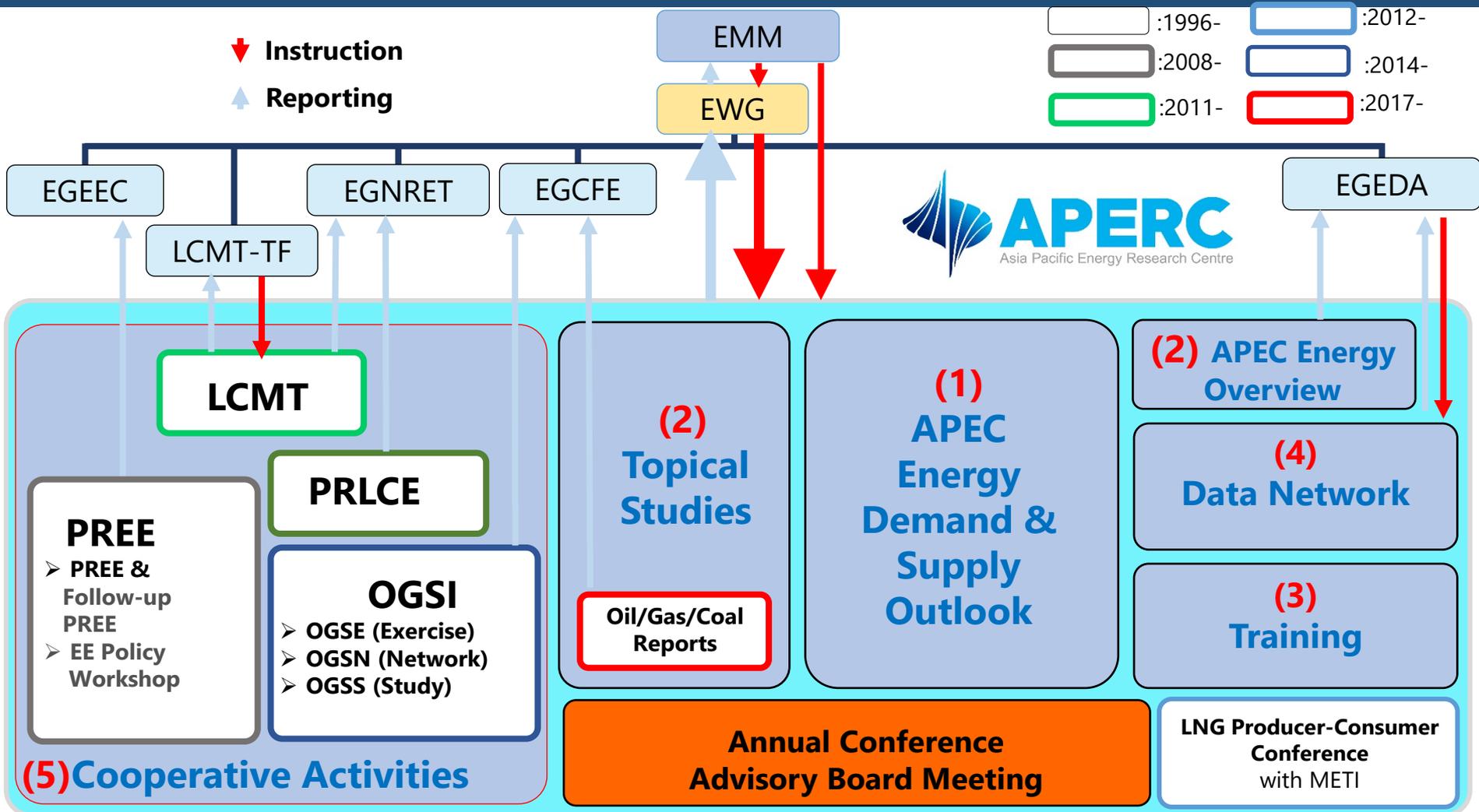
7.a. New APERC has started its activities

- APERC was originally established as an affiliate to the Institute of Energy Economics, Japan (IEEJ) in 1996.
- Considering changes in Japan's laws, APERC was newly established as an independent incorporated foundation on July 1, 2019.
- After necessary preparation, the new APERC took over activities from the original IEEJ-affiliated APERC on April 1, 2020.
- With the revised Terms of Reference (TOR), new APERC has started its activities auspiciously even under the difficult situation of COVID-19 pandemic.

7.a. (1) APERC Activities Overview

▼ Instruction
▲ Reporting

:1996-
 :2012-
 :2008-
 :2014-
 :2011-
 :2017-



7.a. (2) APERC Tasks and Activities

- Continue to meet the current acute needs of APEC member economies by choosing appropriate **research themes** including preparation for **the 8th Edition of APEC Demand and Supply (D/S) Outlook** <TOR (1)(2)>
- Accept **trainees and dispatch experts** through listening to real needs of each economy <TOR(3)>
- Explore win-win collaboration between APEC D/S Outlook exercise and **APEC energy data network** <TOR(4)>
- 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)>

7.a. (3) APEC Energy Demand & Supply Outlook

- 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 Outlook provides quantitative analyses and policy insights on projected trends for energy demand and supply in APEC economies through 2050.
- APERC has previously produced seven editions of the APEC Energy Demand and Supply Outlook. The latest version is the seventh edition published in May 2019.
- Works on 8th Edition Outlook is underway. Comments on scenario designs were received from 12 economies when request for feedback on scenario design was solicited in June 2020.
- Scenario assumptions for the 8th Edition were shared for economy review in June 2020.
- The modelling tools developed for the Outlook will also be used for training activities in APEC economies.

7.a. (4) Topical Studies

- Along with the Outlook, APERC has been conducting research on topics relevant to energy issues and policies in the APEC region.
- Studies focusing on coal, oil and natural gas to support the Expert Group on Clean Fossil Energy (EGCFE) since 2017.
 - Preparation for the next series of these three reports has already begun.
 - Publication of these reports will be in late 2020
- Two completed papers were presented at the 2020 IAEE Asia-Oceania Conference in Auckland, NZ:
 - Fossil fuel quality standards in APEC (originally completed in 2019 oil report)
 - Perspectives on Hydrogen in the APEC Region (based on the 2018 APERC report)

7.a. (5) APEC Energy Overview

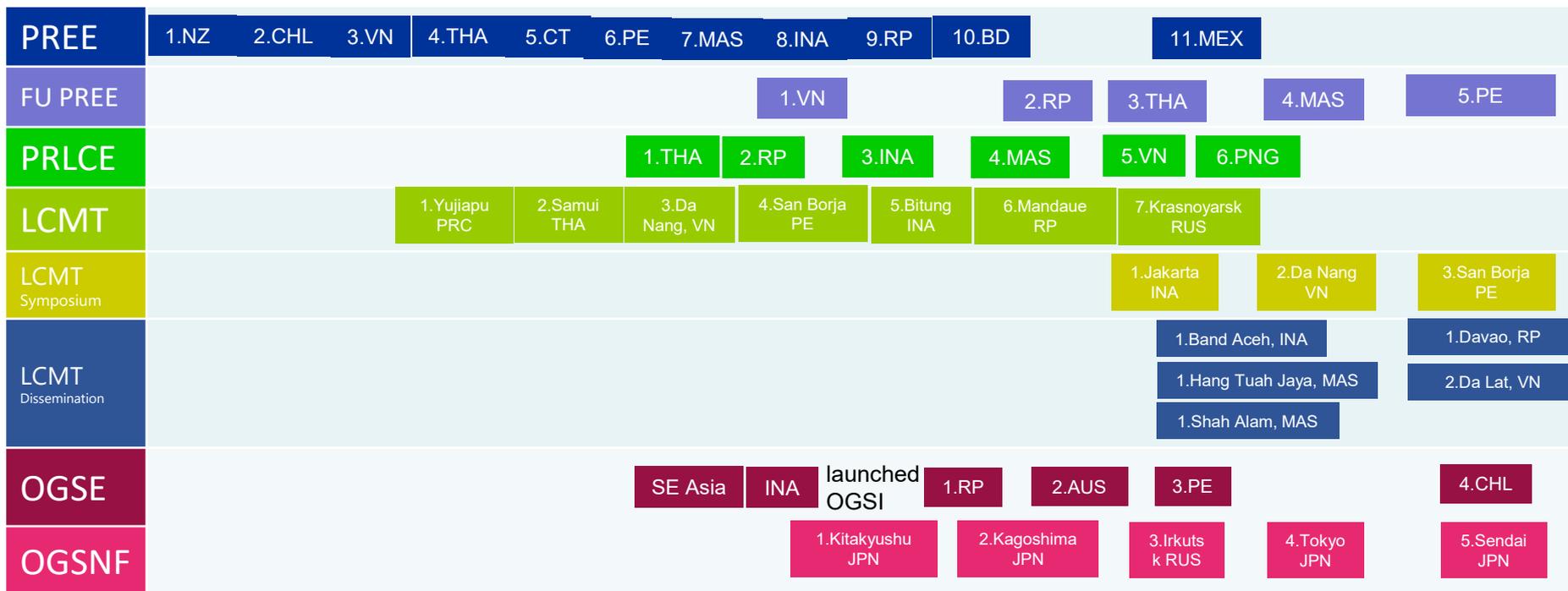
- The '**APEC Energy Overview**' series started in 2000 with the approval of EWG19, in order to help policymakers to share useful information and deepen understanding on energy issues in the APEC region.
 - The Overview is an annual publication, which contains updated energy demand/supply data as well as descriptions of energy policy and '**Notable Energy Developments**'.
 - Progress of **APEC goals on energy intensity and renewable share** has been tracked and analysed in each year.
 - The 2018 Edition was completed and published in August 2019. Drafting of the **2019 Edition** started in November 2019 and completed in June 2020. Final draft was sent to APEC secretariat for review by EWG members.
 - The 2019 Edition is expected to be published online in August 2020.
- * APERC appreciates the contributions and assistance by EWG and EGEDA members.*

7.a. (6) History of Cooperative Activities

2007

2018

2019



EMM8

**APEC Leaders
Sydney Meeting**

Energy intensity
reduction goal of
APEC region by at
least **25% by 2030**
Introduction of **PREE**

EMM

**APEC EMM
in Fukui**

Launch of
PRLCE & LCMT
Continuation of
PREE & CEEDS

**APEC Leaders
Honolulu meeting**

APEC's aggregate
energy intensity
reduction goal of
45% by 2035

EMM10

**APEC EMM in
St. Petersburg**

Instruction on
improving the
response to oil and
gas emergency
situations (**OGSE**)

EMM11

**APEC EMM
in Beijing**

- 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

7.a. (7) PREE

Peer Review on Energy Efficiency (PREE)

Phase 9

- **Follow-up PREE** in Peru, 18-22 March 2019;
 - Final report was endorsed by EWG in February 2020 and now published on APERC website.

Phase 10

- **Follow-up PREE** in Indonesia is tentatively re-scheduled again to **October 2021**.
 - Request to nominate experts for this has been circulated by the APEC Secretariat.
 - The focus sector for the review will be the transport, industry, buildings, home appliances and energy supply sectors
- The 5th EEP workshop is to be conducted in conjunction with EGEDA31 by **online** participation;
 - The workshop is titled "economic recovery through energy efficiency".



7.a. (8) PRLCE & LCMT

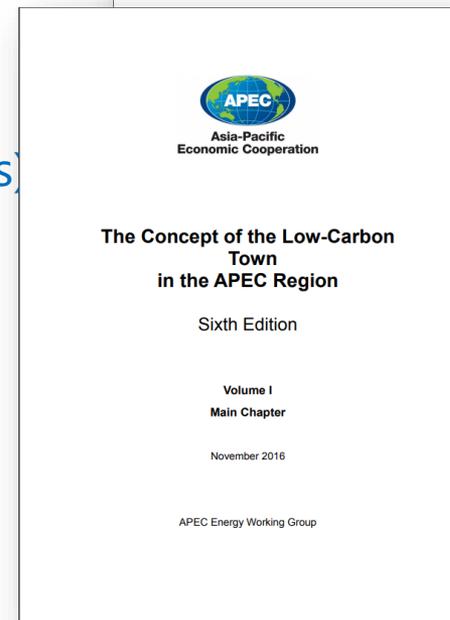
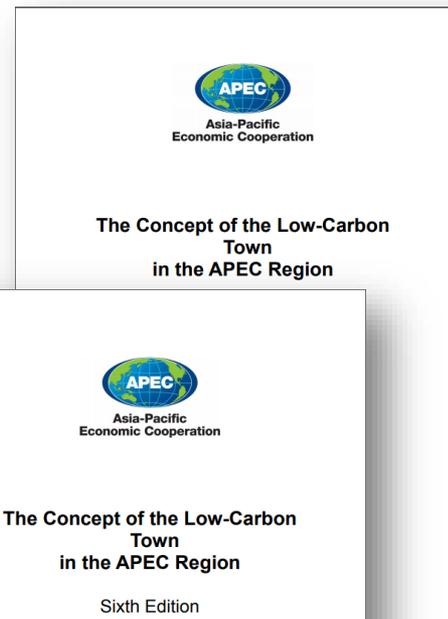
- ❑ **Peer Review on Low Carbon Energy Policies (PRLCE)** APERC welcomes eligible economies to volunteer hosting future **PRLCE**.
- ❑ **Low-Carbon Model Town (LCMT)**

Dissemination Phase 2

- The 3rd **LCMT Symposium** was held on October 21-22, 2019 in San Borja, Lima, Peru. Its summary report was approved and published to APERC website in June 2020.
- Focused feasibility studies (FFS) for **Davao (the Philippines)** and **Da Lat (Viet Nam)** were approved in June 2020.

Dissemination Phase 3: under proposal

- Exact date for the wrap-up **LCMT Symposium** to summarise LCMT activities has not been decided yet due to COVID-19. Preparation will be done in due course.
- Selection process of an agency to conduct the feasibility study of three volunteer towns of Dissemination Phase 2: **La Molina (Peru)**, **Khon Kaen (Thailand)**, **Phu Quoc (Viet Nam)** is delayed.



7.a. (9) Oil and Gas Security Initiative

Oil and Gas Security Exercise (OGSE)

- The **4th OGSE (in Chile)** final report was endorsed and now available in APEC and APERC websites.
- The **5th OGSE in Thailand is postponed**. Thailand will discuss with APERC what date would be best to re-schedule the event. The Minister of Energy or the Permanent Secretary of Ministry of Energy will host this exercise at the Ministry of Energy, Energy Complex in Bangkok.

Oil and Gas Security Studies (OGSS)

- The **17th OGSS** entitled *Changing LNG market dynamic-impacts on supply security in the APEC region report* is scheduled to be published in **August 2020**.
- The **18th OGSS** project proposal entitled *"Impact of COVID-19 on energy security"* is endorsed by EWG and is scheduled to be published in July 2021.

Oil and Gas Security Network (OGSN)

- The **6th OGSN Forum** will be held in Japan, though its schedule is not yet decided.
- Issued **34th OGS Newsletter** as of June 2020. Preparation for the **35th issue** is ongoing and will be published by the end of **August 2020**.

7.a. (10) Training

- APERC accepts energy modelling **trainees** from developing economies.
 - A **seminar** in Tokyo was held on **23-31 October 2019**.
 - **Ten trainees** from **CHL; PRC; INA (2); MAS (2); PNG; RP; THA and VN**
- APERC also **dispatched experts** to help develop energy data and prepare energy demand and supply outlooks while enhancing 'energy literacy' of future leaders in the APEC region.
 - Aside from the regular trainings held in Tokyo, **two workshops** were held: **25-29 November (preparation of energy statistics)** and **2-6 December 2019 (electric power planning)**, both in Indonesia.
 - The scheduled training in Indonesia in September 2020 will be held **online**; the planned training in the Philippines might be held **online** as well before the end of 2020.
- The **cooperation course** on "Energy Issues in the Asia-Pacific Region" at Waseda University in Japan is now in its **5th year**, but suspended in 2020 due to COVID-19.

7.a. (11) APEC Energy Data Management Networks

- The EGEDA Training Program on Energy Statistics completed its 6th year.
 - The Short-term training was held on 19-30 August 2019, participants were from BD; PRC; CHL; INA; MAS; RP; PNG and VN.
 - There were no nominations for the Middle-term training. In lieu of this, a special five-day training course on energy statistics for five persons from Viet Nam will be held. This was re-scheduled on 28 September to 2 October 2020, most probably via online.
- For the 7th year of the EGEDA Training Program on Energy Statistics, the short-term course will be held on 19-30 October. The middle term course will be held on 19 October to 11 December 2020. These training programmes will probably be held via online.
- The 18th APEC Workshop on Energy Statistics, a joint workshop on renewable energy with IRENA, will be held on 15-17 December 2020, most probably via online as well.

7.a. (12) APERC Research Staff

APERC has 19 research staff

- Kazutomo Irie (President)
- James Michael Kendell (Senior Vice President)*
- Munehisa Yamashiro (Vice President)
- David Wogan (Assistant Vice President)*
- Edito Barcelona
- Ruengsak Thitiratsakul*
- Elvira Torres Gelindon
- Gigih Udi Atmo*
- Fang-Chia Lee*
- Diego Rivera Rivota*
- Hugh Marshall-Tate*
- Christopher James Doleman*
- Junseon Mun*
- Fifi Indarwati*
- Victor Martinez Aranza*
- Mathew Horne*
- Nobuhiro Sawamura
- Takako Hannon
- Yuka Hayashi

7.a. (13) APERC Budget

Unit: million yen

Fiscal Year	1996 9mns	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
Revenue from:													
Japanese Government	374	626	681	729	619	634	594	547	525	528	498	446	447
Australian Government									8	8	8		
Total of Revenue	374	626	681	729	619	634	594	547	533	536	506	446	447
Expenses:													
Energy Efficiency / APEC Energy Demand & Supply Outlook / Related Research Programmes	227	443	494	550	455	469	434	390	379	377	377	338	339
Oil & Gas Security													
Energy Data Network & Know-How Transfer	147	183	187	179	164	165	160	157	154	159	129	108	107
Total of Expenses	374	626	681	729	619	634	594	547	533	536	506	446	447

Fiscal Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Revenue from:												
Japanese Government	418	409	425	494	580	657	653	689	672	672	672	672
Total of Revenue	418	409	425	494	580	657	653	689	672	672	672	672
Expenses:												
Energy Efficiency / APEC Energy Demand & Supply Outlook / Related Research Programmes	318	315	308	325	325	432	501	522	423	388	406	423
Oil & Gas Security					107	68	183	124	161	119	100	163
Energy Data Network & Know-How Transfer	100	94	94	86	68	100	97	91	86	73	44	86
Total of Expenses	418	409	402	411	500	600	781	737	670	580	550	672



Thank you for your kind attention.

<https://aperc.or.jp/>