

Summary record

31st EGEDA/55th EGEEC Joint (Virtual) Meeting **Hosted by Hong Kong, China, 19-20 November 2020**

The 1st EGEDA/EGEEC Joint meeting was held online and hosted by Hong Kong, China on 19-20 November 2020. Prior to the joint meeting, two workshops were conducted. First was the APEC Workshop on *District Cooling and Heating Systems* held on 17 November 2020. The objective of the Workshop was to impart to the members the increasing importance of district cooling and heating systems, especially in statistics and analysing energy efficiency. The second was *APEC Energy Efficiency Policy Workshop* held on 18 November 2020 with the theme “Economic Recovery through Energy Efficiency” which shared the energy efficiency policies and programs to mitigate the impact of COVID-19.

DAY 1: EGEDA/EGEEC JOINT MEETING

The joint meeting was held from 09:00AM to 11:00AM, Hong Kong, China time. It was participated in by 105 members and guests of the two working groups from Australia; Brunei Darussalam; Canada; China; Hong Kong, China; Indonesia; Japan; Korea; Malaysia; New Zealand; the Philippines; Singapore; Chinese Taipei; Thailand; the United States; APEC secretariat; EWG secretariat; EGNRET secretariat; APERC; and APSEC.

Mr. Ek-Chin Vy of EGEEC, Mr. Jen-yi Hou of EGEDA and Mr. Barry Chu of EMSD co-chaired the joint meeting. The joint meeting was officially welcomed by Mr Wong Kam-sing, Secretary for the Environment, the Government of the Hong Kong Special Administrative Region. The Welcome Address highlighted the plans and programs of Hong Kong China on progress towards low carbon future and green energy development. The opening remarks from EGEEC and EGEDA chairs emphasized the need for collaborative works and the importance of data sharing to achieving APEC goals, and also encouraged members’ active participation and cooperation in those works. The sharing of energy data analysis, energy efficiency policies, and stimulus programs are benefit to APEC member economies in formulating energy efficiency improvement to mitigate the impact of COVID-19 and meeting the APEC energy intensity reduction goal.

The following secretariat delivered updates during the Joint meeting:

The APEC secretariat, EWG secretariat, EGEEC secretariat, EGEDA secretariat, APERC and APSEC.

APEC Secretariat updates

- The secretariat delivered updates on new, approved and future projects.
- In view of the current situation, meetings are switched from physical to virtual meetings. He highlighted the need to consider well the meeting requirements, e.g. time zones, format, test runs, etc. He mentioned that an updated Tool kit was available on APEC website for the meeting organizers’ reference.

SUMMARY RECORD

EWG Secretariat updates

- The EWG secretariat presented updates from the EWG 59 meeting, i.e. APEC Energy Security Initiative, project management, revised workplan, etc.
- She highlighted the directives from the Lead Shepherd for APERC, EGEDA, EGEEC and EGNRET to work together to further analyse APEC goals before coming-up with new suggestions.

EGEEC Secretariat updates

- The EGEEC secretariat presented the updates from EGEEC54 meeting;
- The Secretariat highlighted possible collaboration with EGEDA data collection, i.e. EE indicator templates; DCS data collection, etc. The initial collaboration was carried out through conducting the DCHS Workshop.

EGEDA Secretariat updates

- Reported updates on its activities such as data collection, processing and maintenance of database and website, conduct of trainings, meetings and workshops and international collaborations on energy statistics
- The secretariat likewise presented the progress on tracking the APEC energy goals using 2018 data.

Overview of APEC energy situation

- Although still preliminary pending China's data, the secretariat presented an overview of APEC energy demand and supply situation using 2018 data.

Report on APERC research activities

- APERC presented its current research works including the APEC Energy Outlook 8th Edition. APERC mentioned that the Outlook 8th Ed will use EGEDA/APEC data for the first time;
- APERC was requested to present the effect of COVID-19 to GDP as well as energy demand and supply in APEC, if possible;
- APERC will try to make a presentation on the preliminary result of Outlook in EWG60 meeting.

31st EGEDA Meeting

The 31st EGEDA meeting commenced at 11:00AM and ended 12:30PM, Hong Kong, China time. There were more than 40 participants in the meeting from Australia; Brunei, Darussalam, Canada; Hong Kong, China; Indonesia; Japan; Korea, Malaysia; the Philippines; Singapore; Chinese Taipei; Thailand and the United States. IEA and IRENA were also invited as resource persons.

Session 1: Report on APEC activities and EGEDA training programs

- EGEDA reported its accomplishments from last year including the works done for EWG57, 58 and 59 as well as its efforts in tracking APEC goals;
- The secretariat also reported its past and planned training activities. In view of the pandemic situation, the scheduled trainings for Indonesia and the Philippines were held virtually. The secretariat reported the challenges they encountered in conducting virtual trainings.

SUMMARY RECORD

- Indonesia suggested EGEDA to reformat its training programs, probably develop webinars and common definitions and assumptions for renewables that can be easily accessed online by members.

Session 2: Guest presentation by Hong Kong, China

- Hong Kong, China presented its efforts in converting wastes to energy. These wastes are sewage sludges, municipal solid wastes and biogases. The projects are parts of Hong Kong, China's waste management system that makes use of such wastes for electricity generation and at the same time reducing greenhouse gas emissions while disposing off the solid wastes.

Session 3: Joint Organization Data Initiative

- EGEDA and IEA presented the status of JODI data collection in APEC and globally, respectively.
- IEA mentioned the similar challenges they faced in conducting online training.

Chair's remarks

- The Chair reiterated the importance of data in EGEDA's analysis. Hence, he encouraged the members to submit data (monthly, quarterly, annual and energy efficiency indicator templates) regularly so that EGEDA can make timely and accurate analysis;
- He also requested EGEDA/ESTO to improve its training format, especially to adopt in the current situation;
- EGEDA/ESTO will try to re-format its online training course, including webinars that is focused only on single topics like oil, coal, gas, electricity and renewable statistics

DAY 2 : 20 NOVEMBER 2020

The second day of 31st EGEDA meeting was held from 9:00AM to 11:55AM, Hong Kong, China time. In attendance were over 40 members from the same member economies.

Session 4A: New and Renewable Energy (NRE)

- The EGEDA secretariat presented the NRE data in the APEC energy database and compared the data with those of the IEA and IRENA
- The differences of the data of the three organizations were shown, with the need to know the reasons behind the differences. Suggestions on how to address the data gaps were also identified by the secretariat.
- Chinese Taipei, Malaysia and Indonesia gave their comments on the data comparison; the secretariat will discuss the data issues with these economies.

Session 4B: NRE data collection and estimation in developing economies

- Mr. Adrian Whiteman, Chief Statistician of IRENA, presented IRENA's assistance to developing countries in estimating GHG emissions for inventory reports and national climate targets (NDCs)
- The presentation includes, data audits, support for data collection and refined monitoring reporting and verification (MRV);
- Mr. Whiteman emphasized that energy statistics should be at the centre of analysis of NDCs.

Session 4C: IEA presentation on new and renewable energy statistics

- Mr. Julian Prime of IEA presented the APEC renewable energy data in IEA that are taken from the following:

SUMMARY RECORD

- Mandatory reporting from OECD member economies
- Use of official data in some non-OECD APEC economies, if available, and
- Estimated data

In estimating data, extrapolations are done using population and GDP data

- Two projects are currently ongoing in IEA related to the improvement of solid biofuels data
- On the question regarding the formula in estimating traditional biomass for a country without conducting energy survey, IEA responded that FAO statistics is used.
- On the question whether moisture contents affect the calorific value of EFB in the palm oil industry, IEA responded that it does. IRENA also responded that for EFB there is an assumption on CV for EFBs that are not left to dry, but when pelletized, CV would be higher.
- On the question whether there is a minimum capacity for a RE plant to be counted in surveys, IEA responded that all should be covered regardless of the capacity.

Session 5: Other developments

5A: Report on APEC study on district cooling system

- Ms Gelindon, presented again the result of the study conducted on district cooling systems;
- The EGEDA secretariat hopes to conduct a workshop on district cooling system, particularly on data collection. This will also address the Chair's concern on how to estimate the energy used in free cooling.

5B : IEA presentation: Digitalisation and hydrogen

❖ On digitalisation

- IEA has produced a report "Digitalization and energy" in 2017 that contains 10 no regrets policy recommendations
- IEA also published the report "Energy end-use data collection methodologies and the emerging role of digital technologies" as a new guidance for all energy statisticians
- The report contains the impacts of digitalization in data collection, management and analysis

❖ On hydrogen, Mr. Prime reported on the following:

- Current policy support for hydrogen development
- Global stocks of fuel cell cars and Global hydrogen production and demand
- Discussion with IEA members relating to changes in annual questionnaires brought about by hydrogen and synthetic fuels
- The need for high quality, timely and coherent data to monitor success in hydrogen plans and target
- On the question whether Hydrogen from electrolysis of water is renewable, IEA responded positively.
- On the question as to when does IEA expects to collect data on hydrogen and including it in energy statistics, Mr. Prime replied that revision of joint annual questionnaires will be in 2022 to be used for data collection in 2023.
- IEA responded positively when the Chair asked IEA to share the revised questionnaires to EGEDA.

6 : Other matters

- The secretariat reported on the upcoming events such as: EGW60 on 7-11 December 2020, 18th APEC workshop on energy statistics on 15-17 December 2020, and APEC energy modeling seminar on 25-29 January 2021. All the events will be held online. The secretariat encouraged member economies to attend the workshop.
- For the venue of the next meeting, the secretariat announced that it is in discussion with one economy to host the meeting around November 2021. The secretariat will announce once the requested economy received approval to host the meeting from senior officials.
- The Vice Chair informed the meeting that the election of the Chair is postponed as the nominee of Japan is not yet available. The election might be held in the next meeting.

31st EGEDA/55th EGEEC Joint Meeting

The Joint meeting was held during 12:00- 12:30 PM. There were over 60 participants

The Joint meeting highlighted how the two expert groups could work together to improve data collection and analysis as well as in energy efficiency and conservation. The EGEEC Chair named several collaborations which the EGEDA Chair affirmed the possibility of such collaborations namely, among others:

- Future Joint meetings;
- Collaborative works on energy efficiency indicators and district cooling data collection;
- EGEDA and EGEEC will explore on the energy efficiency applications and energy data collection of green data center.

Closing remarks

- Mr. Pang Yiu Hung, Director of Electrical and Mechanical Services, the Government of the Hong Kong Special Administrative Region gave the closing remarks. In his Closing Remarks, Mr. Pang thanked all participants and declared the four-day event a success. He mentioned that the joint meeting and associated workshops had proved that the world is not only connected by the information technology but also by a noble cause, “the call and our commitment to join hands to tackle the pressing issues of energy, environment, climate, and sustainability of our future”. He was also pleased that energy intensity had been reduced by about 23% and more than 40% of renewable energy share had been increased. He thanked the participants for their contributions and support.