

# EGEEC Discussion

1 April 2022

The 58<sup>th</sup> Meeting of APEC Expert Group on Energy Efficiency & Conservation  
(EGEEC 58)

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# APEC Energy Intensity Reduction Goal

- APERC presented the annual change in energy intensity for the APEC region. Overall energy intensity has declined by 25.1% between 2005 and 2019 and most significantly in 2019.
- APERC introduced APEC Energy Demand and Supply Outlook, 8<sup>th</sup> edition, including two scenarios – (i) Reference Scenario and (ii) Carbon Neutrality Scenario. The 8<sup>th</sup> edition is scheduled for Q2 2022 with the base year at 2018 and projections to 2025. The impact of COVID-19 on GDP would be incorporated in the 8th edition in the 2020-2025 time frame.
- APERC presented the energy demand analysis in each sector, including Buildings, Industry, and Transportation. APERC pointed out that each sector had made a similar contribution to APEC's overall energy intensity reduction trends from 2005 to 2018, particularly the subsector contribution. The sub-sector breakdown and in-depth sectoral analysis of energy intensity reduction of some APEC economies were introduced.
- Based on preliminary results, APEC is expected to achieve its energy intensity goal by 2035 and 2031 in Reference and Carbon Neutrality scenarios.

# Cross Fora and Organisations Cooperation

## Energy Efficiency Hub (EE Hub)

- At the EWG 60 meeting, EWG members supported the collaboration between EGEE&C and EE Hub.
- The EE Hub is a new platform for global collaboration on energy efficiency. Germany currently chairs the EE Hub steering committee, and the Secretariat is hosted at the IEA to take advantage of natural synergies with the work of the IEA.
- At EGEEC 58 meeting, the EE Hub introduced its four Task Groups:
  1. The Digitalisation Working Group leads by the US;
  2. The Super-Efficient Equipment and Appliance Deployment (SEAD) Initiative leads by the UK, Europe Commission, India and Sweden;
  3. Top Tens, which identifies best technologies and practices leads by China; and
  4. The Energy Management Action Network (EMAN), devoted to energy management systems in industry and buildings, leads by Japan.

EGEE&C would further seek collaboration opportunities with these Task Groups to share experience and knowledge in enhancing energy efficiency.

# Cross Fora and Organisations Cooperation

## World Green Building Council (WGBC)

- Hong Kong Green Building Council (HKGBC) invited EGEE&C members to participate in the International Conference on Advancing Net Zero 2021 held on 23-26 November 2021.
- During the APEC Workshop cum Training on Retro-commissioning (RCx) (EWG 09 2020A) in January 2022, WGBC and its members shared their experience and knowledge in implementing RCx. A suggestion for collaboration is to build up an RCx Resources Hub in APEC region to accelerate the mainstreaming of RCx to improve the energy efficiency and conservation in building sector.
- During the EGEEC 58 meeting, WGBC Asia Pacific Regional Network shared WGBC's "Whole Life Carbon Vision by 2030 and 2050", its strategy and action by various economies, the net-zero readiness framework to aid gap analysis with examples of some member economies.

EGEE&C would explore collaboration opportunities with WGBC and its members on net-zero building and RCx as well as make suggestions for the proposed RCx Resources Hub in APEC region.

# Cross Fora and Organisations Cooperation

## APEC Automotive Dialogue (AD)

- At the EGEEC 58 meeting, AD shared the EV roadmap, the APEC advanced vehicle technologies technical engagement program, and the key recommendations for policymakers to prepare for the transition to EVs.
- AD also shared its APEC advanced vehicle technologies technical engagement program. An updated report will be available in Spring 2022.

EGEE&C would continue to explore collaboration opportunities with TPTWG and AD on the energy efficiency of vehicles.

# Key Areas for Collaboration with APEC Expert Groups, Research Centers and Task Forces

## Key Areas for Collaboration with EGEDA / APERC

- EGEDA Secretariat updated that the 20<sup>th</sup> APEC workshop on energy statistics would be held in July 2022.
- EGEDA Secretariat pledges EGEE&C members to provide data of the District Cooling and Heating Systems.
- EGEDA and EGEE&C would explore the area for collaboration during the workshop on “Promoting Energy Efficient and Resilient Data Centres in the APEC Region” to be held in June 2022.
- APERC and EGEE&C would explore the area for collaboration in a project on “Promoting Energy Modelling in APEC Region”. The APEC funded project concept note on “Promoting Energy Modelling in APEC Region” was submitted for Session 1, 2022.

Members are encouraged to propose collaboration areas between EGEE&C and EGEDA / APERC.

# Key Areas for Collaboration with APEC Expert Groups, Research Centers and Task Forces

## Proposed Key Areas for Collaboration with EGNRET

- Thailand will host the joint EGEEEC59 and EGNRET57 meetings in November 2022.
- A Capacity Building Workshop on “APEC’s Goals of Doubling the Renewable Energy Share in the Energy Mix and Reducing Energy Intensity” would be organised alongside the joint EGEEEC59 and EGNRET57 meetings.

Members are encouraged to propose collaboration areas between EGEE&C and EGNRET.

**THANK YOU**