

EGEEC Discussion

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The 58th 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 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, 8th Edition, including two scenarios – (i) Reference Scenario, and (ii) Net-zero Scenario. The 8th edition is scheduled for Q2 2022 with 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 analysis of energy demand in each sectors (Buildings, Industry, and Transportation). APERC pointed out that each sector had made a similar contribution to the overall energy intensity reduction trends in APEC from 2005-2018, particularly the subsector contribution on. 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 Ref and CN scenario.

Cross Fora and Organisations Cooperation

Energy Efficiency Hub (EE Hub)

- At the EWG 60 meeting, the collaboration between EGEE&C and EE Hub was supported by EWG members.
- The EE Hub is a new platform for global collaboration on energy efficiency. The EE Hub steering committee is currently chaired by Germany 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 their four Task Groups:
 - The Digitalisation Working Group (lead by the US);
 - The Super-Efficient Equipment and Appliance Deployment (SEAD) Initiative (lead by the UK, European Commission, India and Sweden);
 - Top Tens, which identifies best technologies and practices (Lead by China); and
 - The Energy Management Action Network (EMAN), devoted to energy management systems in industry and buildings (Lead by Japan)
- EGEE&C could 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.
- In 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 a RCx Resources Hub to accelerate the main-streaming of RCx in the APEC region.
- At the EGEEC 58 meeting, WGBC Asia Pacific Regional Network shared WGBC's "Whole Life Carbon Vision by 2030 and 2050", strategy and action by various economies, the net-zero readiness framework to aid gap analysis with examples of some member economies.

Members are encouraged to explore collaboration opportunities with WGBC and its founding members on areas such as net-zero building, RCx, etc., and make suggestions for the proposed RCx Resources Hub.

Cross Fora and Organisations Cooperation

APEC Automotive Dialogue (AD)

- At the EGEEC 58 meeting, AD shared with members the EV roadmap, the APEC advanced vehicle technologies technical engagement program and key recommendations for policy makers to prepare for the transition to EVs.
- AD also shared their APEC advanced vehicle technologies technical engagement program, and the next update of the report will be available in Spring 2022.

EGEE&C will 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

- At the EGEEC 58 meeting, EGEDA Secretariat reported the result is expected to be presented in the 20th APEC workshop on energy statistics in July 2022.
- EGEDA Secretariat pledges EGEE&C members' support to DCHS data collection by providing data.
- EGEDA and EGEE&C would explore area for collaboration in a workshop on Promoting Energy Efficient and Resilient Data Centres in the APEC Region in June 2022.
- EGEDA and EGEE&C would explore area for collaboration in a project on Promoting Energy Modelling in APEC Region. The project concept note is submitted in Session 1, 2022.

Members are welcomed 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 EGEE&C and EGNRET meeting in October 2022 tentatively.
- A Capacity Building Workshop on APEC's Goals of Doubling the Renewable Energy Share in the Energy Mix and Reducing Energy Intensity alongside the joint meeting would be organised.

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

THANK YOU