

EGEEC Discussion

7 October 2022

The 59th Meeting of APEC Expert Group on Energy Efficiency & Conservation
(EGEEC 59)

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Potential New APEC Energy Goals

- DLS is leading a Small Group to Explore Potential New Energy-related Goal(s) following Lead Shepherd's direction under the EWG 63 meeting Agenda item 14(b)(ii).
- Small Group Members: APERC, APSEC, EGEEC, EGNRET, 12 Member Economies, covering Australia, Canada, People's Republic of China, Hong Kong China, Japan, Republic of Korea, Malaysia, Republic of Philippines, Singapore, Chinese Taipei, the United States, and Viet Nam.
- 1st and 2nd Meetings were held on 19 August and 16 September 2022.
- Members' Views on New Energy-Related Goals are grouped into four categories:
 - (1) Timeframe;
 - (2) Energy Efficiency-Related Goals;
 - (3) Renewable Energy- Related Goals;
 - (4) Energy-Related Emission Goals
- Members are welcome to express their views which will be conveyed at the following small group meeting on 18 October 2022. DLS would report the progress in EWG64.

Potential New Goals - Timeframe

- Aligning the base years and target years of the current goals.
The current EWG goals:
 - Reducing APEC's aggregate energy intensity by 45% by 2035 relative to 2005;
 - Doubling the share of modern renewable energy by 2030 relative to 2010 levels
- Members suggested the based on the year 2010 and the target on the year 2035.
- APEREC analysis of Energy intensity reduction goal at a different base/target year.

Energy intensity reduction goal at a different base / target year

	Base year		Target year		% change		
	Current	New	New	Current	Current	New	
	2005	2010	2030	2035	2035 / 2005	2030 / 2010	2035 / 2010
Goal	3.774	3.458	-	2.076	-45%		-40%
REF Scenario forecast			2.254	2.025	-46%	-35%	-41%
CN Scenario forecast			2.102	1.791	-53%	-39%	-48%

Potential New Goals - Energy Efficiency

- Align with UN SDG7.3 - By 2030, double the global rate of improvement in energy efficiency.
- Macroeconomic uncertainty may affect short-term progress and the progress of reaching the goal on time.
- Many economies are recovering from the pandemic and economic downturn.

Cross Fora and Organisations Cooperation

APEC Automotive Dialogue (AD)

- AD is referred by the APEC Transportation Working Group (TPTWG) at the EGEEC57 meeting.
- 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.
- At the EGEEC 59 & EGNRET 57 joint meeting, AD shared APEC AD Plan 2022-2025 verables on the Putrajaya Vision 2040 and Aotearoa Plan of Action, AD-35 & AD-36 Key Outcomes, and policy recommendations for policymakers to prepare for the transition to EVs and Decarbonisation of Transportation.

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

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.
- At the EGEEC 57 meeting, the Green Building Council of Australia (GBCA) shared the mission and campaigns, particularly the built environment journey to net-zero buildings.
- At 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.
- At the EGEEC 58 meeting, WGBC Asia Pacific Regional Network shared WGBC's "Whole Life Carbon Vision by 2030 and 2050", the net-zero readiness framework to aid gap analysis.
- During EGEEC 59 & EGNRET 57 joint meeting, WGBC shared WorldGBC's "Advancing net-zero" status report and findings.

EGEE&C would explore collaboration opportunities with WGBC and its members on net-zero building and RCx. Considering the close collaboration between EGEEC and WGBC, members may consider inviting WGBC and its regional network to be guest members of EGEEC.

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. 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 development and the work of its four Task Groups.
- During EGEEC 59 meeting, the EE Hub's Digitalisation Working Group introduced the work of the group and lesson learnt in case studies to accelerating improvement in building energy efficiency.

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

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

Strengthen Collaboration with EGNRET

- The joint EGEEC59 and EGNRET57 meetings hosted by Thailand from 5 to 7 October 2022.
- A two half-day Capacity Building Workshop on “APEC’s Goals of Doubling the Renewable Energy Share in the Energy Mix and Reducing Energy Intensity” co-organised by EGEEC and EGNRET would be scheduled for 29 and 30 November 2022.
- Joint EGEEC61 and EGNRET59 meetings in the second half of 2023.

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

Key Areas for Collaboration with APERC / EGDEA

- Members are encouraged to strengthen collaboration areas between EGEE&C and APERC / EGEDA on Existing and Potential new goal(s).
- APERC will be invited to participate in the Capacity Building Workshop on “APEC’s Goals of Doubling the Renewable Energy Share in the Energy Mix and Reducing Energy Intensity” co-organised by EGEEC and EGNRET on 29 and 30 November 2022.

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

Strengthen Collaboration on APEC Projects

- Joint meeting with EGNRET and EGEDA since 2014.
- Members are encouraged to propose new APEC projects and explore opportunities to strengthen collaboration with APEC research centres, task forces and expert groups.

Project Title	Project Number	Linkages
APEC Energy Efficiency Policy Workshop 2018	EWG 08 2017A	EGEE&C, APERC, CLASP
Aligning Conformity Assessment Efforts for Energy Efficiency Regulations of Motors in the APEC and ASEAN Regions	EWG 05 2018A	EGEE&C, ICA, UL
APEC Workshop on District Cooling and/or Heating Systems (DCHS)	EWG 08 2019S	EGEE&C, EGEDA
Evaluation of Energy Technologies, Programs and Policies	EWG 12 2019A	EGEE&C, IEA, EEAP
APEC Capacity Building Workshop on Retro-commissioning (RCx)	EWG 09 2020A	EGEE&C, WGBC

THANK YOU