

EGEEC Update

13 May 2021

The Joint 56th Meeting of APEC Expert Group on Energy Efficiency & Conservation (EGEEC 56) and 55th Meeting of APEC Expert Group on New and Renewable Energy Technologies (EGNRET 55)

The 55th Meeting of APEC Expert Group on Energy Efficiency & Conservation

- Hong Kong, China hosted the Joint Meeting of the 55th Meeting of APEC Expert Group of Energy Efficiency and Conservation (EGEEC 55) and the 31st Meeting of APEC Expert Group of Energy Data and Analysis on 19-20 November 2020 in Virtual Format.
- The theme of the EGEEC 55 was “Green Recovery through Energy Efficiency”
- Two workshops were held alongside the EGEEC 55 (Virtual Workshops)
 - 17 November 2020 - APEC Workshop on District Cooling and/or Heating Systems (DCHS) by Hong Kong, China (EWG 08 2019S)
 - 18 November 2020 - Energy Efficiency Policy Workshop” with the theme “Economy Recovery through Energy Efficiency” by APERC (EWG 07 2019A)

The 55th Meeting of APEC Expert Group on Energy Efficiency & Conservation

Participating Economies and Organisations

Economies (10):

- Australia, China, Hong Kong China, Indonesia, Japan, Malaysia, New Zealand, Chinese Taipei, Thailand, the United States

APEC fora (6):

- APEC Secretariat, EWG Secretariat, EGEDA, EGNRET, APERC and APSEC

Non-APEC Organisations (2):

- International Energy Agency (IEA)
- International Copper Association (ICA)



The 55th Meeting of APEC Expert Group on Energy Efficiency & Conservation

Presentations

Cross-fora updates (6) : APEC Secretariat; EWG Secretariat; EGEDA; EGNRET; APERC, APSEC

Invited presentation (1): International Energy Agency (IEA)

Projects updates (5): Australia, Hong Kong China, Japan/APERC, Thailand, the United States

Concept Notes (2): Hong Kong China, Thailand

Economy updates (9): Australia, China, Hong Kong China, Indonesia, Japan, Malaysia, Chinese Taipei, Thailand, the United States

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Governance Issues

- EGEE&C Terms of Reference (ToR) was reviewed and no amendment was suggested.
- EGEE&C Contact List was updated in November 2020. Further update was completed in April 2021.
- Selection of EGEE&C Chair and Co-chair would be conducted during the EGEEEC 56.
- The 57th EGEEEC Meeting would be hosted by Australia in the second half of 2021.

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Collaboration with Expert Groups

Collaboration with EGEDA

- EGEE&C would continue to collaborate with EGEDA on district cooling and heating systems (DCHS) applications and energy end-use data collection.
- EGEE&C would explore with EGEDA on the energy efficiency applications of green data center and data centre energy end-use data collection.

Collaboration with EGNRET

- EGEE&C would continue collaborate with EGNRET on EE and RE Policy Solutions for the post COVID-19.

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APEC Energy Intensity Reduction Goal

- EGEE&C members agreed that in light of the energy data of 2020 would be available in 2022, EGEE&C would continue to collaborate with APERC to monitor the impact of COVID-19 on the energy intensity trend.
- EGEE&C Secretariat would update members on the way forward once analytic data are available.

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Cross Fora and Organisations Cooperation

- The IPEEC's Terms of Reference was expired in December 2019.
- Founded in 2019, the EE Hub is a platform for global collaboration on energy efficiency. The EE Hub Secretariat is hosted by the IEA.
- EE Hub has 16 members - Argentina, Australia, Brazil, Canada, China, Denmark, European Commission, France, Germany, Saudi Arabia, Japan, Korea, Luxembourg, Russia, UK and US, 14 of which are also G20 countries.
- The EE Hub members are discussing the work programme to foster exchange and collaboration on key energy efficiency topics.
- EGEE&C would continue to coordinate with IEA with a view to seeking collaboration with the EE Hub to promote energy efficiency and explore collaboration areas.
- EGEE&C would continue to coordinate with IEA on energy efficiency and conservation measures.

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Energy Efficiency Improvement as Policy Solutions (1)

- On 18 November 2020, APERC organised “Energy Efficiency Policy Workshop” with the theme “Economy Recovery through Energy Efficiency” alongside EGEEC 55.
- Four sectors, namely Buildings, Transport, Industrial and Energy Sectors were introduced.

Highlights

- Technological solutions is the key to reconcile economic recovery and emission reduction.
- Electrification of vehicle to boost economic recovery, e.g. government procurement.
- Promoting investments and stimulating funding to energy efficiency and sustainable energy can bring added value to the economy, e.g. jobs creation.
- Create new energy platform for next generation advanced metering and market enablement platform.
- Stimulus funding in different sectors.

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Energy Efficiency Improvement as Policy Solutions (2)

- Hong Kong China advocated the EGEEEC55 Meeting theme “Green Recovery through Energy Efficiency”
- Member economies shared the energy efficiency stimulus packages, programmes, energy efficiency policies, and investment for post COVID-19 recovery.

Highlights

- Inject funding for energy efficiency improvements in various sectors.
- Create greater demand through investment in building energy efficiency, renovation projects to channel the investment in public buildings, schools, government offices, etc.
- Invest in clean energy transition.
- Establish new EE&C legislation and raise energy efficiency standards by turning short term stimulus into long term measures and supporting innovative practices to improve energy efficiency.
- Extend the tax incentives period for EE&C measures.
- Scale up actions in the existing energy efficiency list, e.g. develop green buildings.

The 55th Meeting of APEC Expert Group on Energy Efficiency & Conservation

Energy Efficiency Improvement as Policy Solutions (3)

- International Energy Agency (IEA) presented the insights on energy efficiency and sustainable recovery.
- 10 recommendations from Global Commission for Urgent Actions on Energy Efficiency were introduced.
 1. Prioritize cross-cutting energy efficiency action;
 2. Act to unlock efficiency's job creation potential;
 3. Create greater demand for energy efficiency solutions;
 4. Focus on finance in the wider context of scaling up action;
 5. Leverage digital innovation to enhance system-wide efficiency;
 6. Public sector should lead by example;
 7. Engage all parts of society;
 8. Leverage behavioral insights for more effective policy;
 9. Strengthen international collaboration; and
 10. Raise global energy efficiency ambition.

EGEEC Project Updates (as of May 2021)

Description	No. of Projects	Remarks
APEC Funded Projects under Implementation	11	3 projects (2020) 7 projects (2019) 1 projects (2018)
Completed APEC Funded Projects	1	1 project (2018)
Self-funded Projects	1	1 project (2019)
Concept Notes (Session 1, 2021)	3	3 projects (2021)

EGEEC Project Updates (as of May 2021)

EGEEC On-going Projects (1)

APEC Project Title		Proposing Economy	Project No.	Status
1	APEC Best Practice Guidelines for Establishing and Enhancing Energy Efficiency Incentive (EEI) Schemes	Australia	EWG 09 2018A	On-going
2	Exploring Co-Benefit Opportunities for Renewable and Energy Efficiency Projects in the APEC Region	Thailand	EWG 04 2019A	On-going
3	Sustainable Mobility: Routes for integrating the Energy and Transport Sectors for Urban Cities	US	EWG 05 2019A	On-going
4	APEC Workshop on University Collaboration to Support Data Gathering and Analysis in Energy Efficiency and Renewable Energy	US	EWG 06 2019A	On-going
5	APEC Peer Review on Energy Efficiency (PREE) Phase 10	Japan	EWG 07 2019A	On-going
6	Energy Intensity Reduction in the APEC Region's Urbanised Cities	Hong Kong, China	EWG 08 2019A	On-going
7	Accommodating Disruptive Technology into RE&EE Policy for Energy Security	Thailand	EWG 11 2019A	On-going

EGEEC Project Updates (as of May 2021)

EGEEC On-going Projects (2)

APEC Project Title		Proposing Economy	Project No.	Status
8	Evaluation of Energy Technologies, Programs and Policies	US	EWG 12 2019A	On-going
9	Integrating Electrical Vehicles and Solar Rooftop PV in Electricity Distribution Systems with Continued Performance of Distribution Transformers	Thailand	EWG 03 2020A	On-going
10	APEC Capacity Building Workshop on Retro-commissioning (RCx)	Hong Kong, China	EWG 09 2020A	QA Process
11	APEC Youngsters Forum: Raising Awareness on Energy Conservation and Energy Efficiency among High School Teachers and Students in the Asia-Pacific Region	Indonesia	EWG 12 2020A	QA Process

EGEEC Project Updates (as of May 2021)

EGEEC Completed Projects

APEC Project Title		Proposing Economy	Project No.	Status
1	APEC Peer Review on Energy Efficiency (PREE) Phase 9	Japan	EWG 08 2018A	Completed

EGEEC Project Updates (as of May 2021)

EGEEC Self-funded Projects

APEC Project Title		Proposing Economy	Project No.	Status
1	APEC Workshop on District Cooling and/or Heating System (DCHS)	Hong Kong, China	EWG 08 2019S	On-going

EGEEC Project Updates (as of May 2021)

EGEEC Concept Notes

APEC Project Title		Proposing Economy
1	Promoting Energy Efficient and Resilient Data Centres in the APEC Region	Hong Kong, China
2	APEC Peer Review on Energy Efficiency (PREE) Phase 11	Japan
3	Workshop and Capacity Building for Food Industry in Energy Efficiency Enhancement	Indonesia

EWG 60 Summary

- The 60th Meeting of the Energy Working Group was hosted by Japan in virtual format during 9 - 11 December 2021.
- EGEE&C Chair, Mr. Vy Ek-chin presented the EGEE&C Chair's report.
- EWG members supported EGEE&C's cooperation with Energy Efficiency Hub.

THANK YOU