

# EGEEC Update

13 May 2021

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

# The 55<sup>th</sup> Meeting of APEC Expert Group on Energy Efficiency & Conservation

- Hong Kong, China hosted the Joint Meeting of the 55<sup>th</sup> Meeting of APEC Expert Group of Energy Efficiency and Conservation (EGEEC 55) and the 31<sup>st</sup> 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 55<sup>th</sup> 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 55<sup>th</sup> 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



# The 55<sup>th</sup> Meeting of APEC Expert Group on Energy Efficiency & Conservation

## 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.

# The 55<sup>th</sup> Meeting of APEC Expert Group on Energy Efficiency & Conservation

## 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.

# The 55<sup>th</sup> Meeting of APEC Expert Group on Energy Efficiency & Conservation

## 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.

# The 55<sup>th</sup> Meeting of APEC Expert Group on Energy Efficiency & Conservation

## 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.



# The 55<sup>th</sup> Meeting of APEC Expert Group on Energy Efficiency & Conservation

## 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.

# The 55<sup>th</sup> Meeting of APEC Expert Group on Energy Efficiency & Conservation

## Energy Efficiency Improvement as Policy Solutions (2)

- Hong Kong China advocated the EGEEC55 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 55<sup>th</sup> 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 60<sup>th</sup> 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**