

EGEEC Updates

@ EGNRET 54 Meeting, The Philippines

10 November 2020

EGEEC Chair
Mr. VY Ek-chin





EGEEC Updates (1)

EGEEC Meetings

The 54th Meeting of APEC Expert Group of Energy Efficiency and Conservation (EGEEC 54) was held during 23-25 September 2019 in **Cebu, the Philippines**.

The 55th Meeting of APEC Expert Group on Energy Efficiency and Conservation (EGEEC 55) (Virtual Meeting) and the associated workshops on 17-20 November 2020 @ **Hong Kong, China**

- Joint meeting with the 31st Meeting of APEC Expert Group on Energy Data and Analysis (EGEDA31) on 19-20 November 2020
- Meeting theme “Green Recovery through Energy Efficiency”
- Two workshops will be held alongside EGEEC 55 (Virtual Workshops)
 1. 17 November 2020 “ APEC Workshop on District Cooling and/or Heating Systems (DCHS) by Hong Kong, China “ (EWG 08 2019S)
 2. 18 November 2020 “Energy Efficiency Policy Workshop” by APERC (EWG 07 2019A)



EGEEC Updates (2)

Theme of EGEEC 55 – Green Recovery Through Energy Efficiency

- The COVID-19 pandemic has created a global crisis to the health system as well as economies around the world. Many economic activities and jobs have been affected due to economy slow down, lock down of cities, travel restrictions, etc.
- The promotion and implementation of energy efficiency initiatives should not be at the expense of reduced human activities as well as economic activities and growth. Leaders are thinking ahead on strategies for stimulating and reviving their economies once the pandemic is brought under control and activity can ramp back up.



EGEEC Updates (3)

Theme of EGEEC 55 – Green Recovery Through Energy Efficiency

- To allow the economy to get backtrack and maintain sustainable growth, we should make use of the chance of the post COVID 19 to launch stimulus programmes in transforming our city to be more energy efficient and also to take this opportunity to boost the economy through clean energy transition.
- A theme will be set for the upcoming EGEEC 55 meeting. Member economies would share their works on the theme proposed by the host economy in addition to their economy update. This could allow more focused discussion on any stimulus package and energy efficiency improvements that may benefit APEC member economies in developing their energy efficiency policy/stimulus programmes.



EGEEC Updates (4)

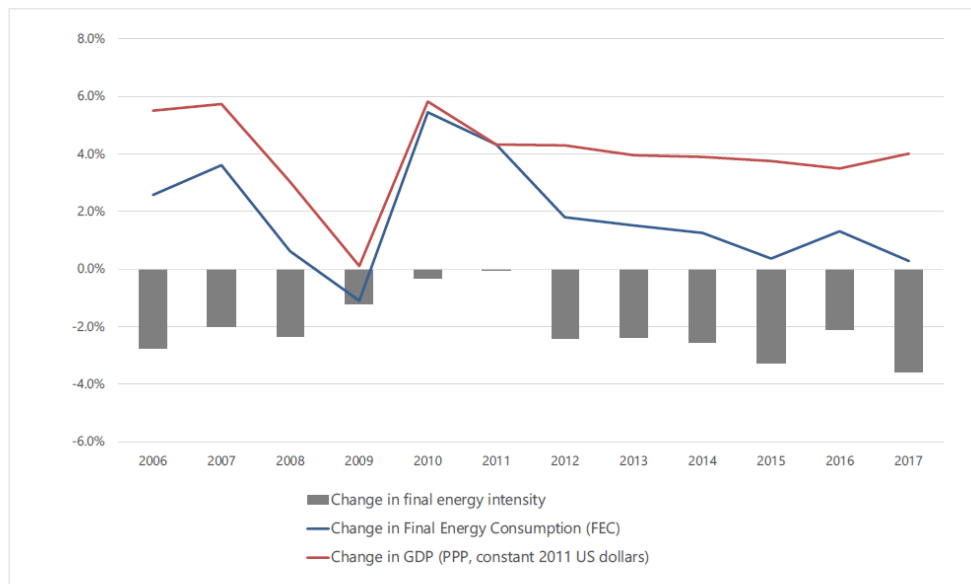
APEC Energy Intensity Reduction Goal

- In 2007, APEC Leaders agreed to a regional aspirational goal of reducing energy intensity by at least 25 percent by 2030 (with a 2005 base year).
- Given the ever-increasing energy demand across the APEC region, APEC Leaders agreed in 2011 to substantially increase the aspirational goal of aggregate energy intensity reduction of 45% by 2035.



EGEEC Updates (5)

Annual changes to intensity, energy demand and GDP, 2006-17

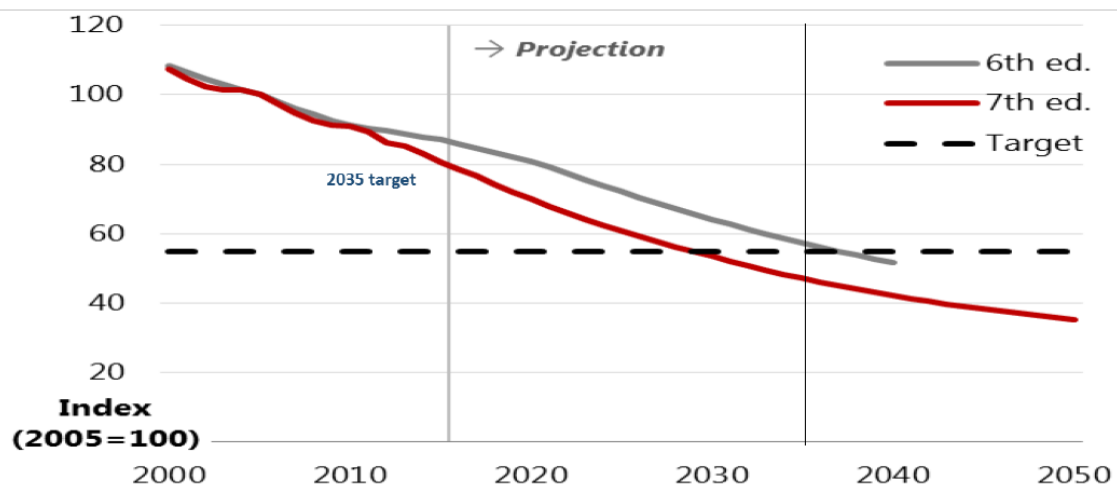


Source: APEC statistics and APERC analysis.



EGEEEC Updates (6)

APEC business-as-usual energy intensity by edition, 2000-2050



Source: IEA statistics 2017 and APERC analysis.



EGEEC Updates (7)

COVID-19 Implications on Energy Intensity Reduction Goal

- The intensity reduction decoupling trend seems likely to continue.
- The COVID-19 pandemic may reverse the APEC energy intensity decline, if the change in GDP falls faster than the changes in energy consumption.
- As the energy data of 2020 will only be available in September 2022, EGEEC will collaborate with APERC to monitor the impact of COVID-19 on the energy intensity trend in the coming years and discuss with EGEEC members on the way forward once more analytic data are available.



EGEEC Updates (8)

EGEEC Project Updates (as at end October 2020)

Description	No. of Projects	Remarks
APEC Funded Projects under Implementation	12	3 projects (2020) 7 projects (2019) 2 projects (2018)
Completed APEC Funded Projects	3	3 project (2018)
Self-funded Projects	3	2 project (2019) 1 project (2018)



EGEEC Updates (9)

Project Updates – EGEEC On-going Projects

APEC Project Title		Proposing Economy	Project No.	Status
1	APEC Peer Review on Energy Efficiency (PREE) Phase 9	Japan	EWG 08 2018A	On-going
2	APEC Best Practice Guidelines for Establishing and Enhancing Energy Efficiency Incentive (EEI) Schemes	Australia	EWG 09 2018A	On-going
3	Exploring Co-Benefit Opportunities for Renewable and Energy Efficiency Projects in the APEC Region	Thailand	EWG 04 2019A	On-going
4	Sustainable Mobility: Routes for integrating the Energy and Transport Sectors for Urban Cities	US	EWG 05 2019A	On-going
5	APEC Workshop on University Collaboration to Support Data Gathering and Analysis in Energy Efficiency and Renewable Energy	US	EWG 06 2019A	On-going
6	APEC Peer Review on Energy Efficiency (PREE) Phase 10	Japan	EWG 07 2019A	On-going
7	Energy Intensity Reduction in the APEC Region's Urbanised Cities	Hong Kong, China	EWG 08 2019A	On-going

EGEEC Updates (10)

Project Updates – EGEEC On-going Projects

APEC Project Title		Proposing Economy	Project No.	Status
8	Accommodating Disruptive Technology into RE&EE Policy for Energy Security	Thailand	EWG 11 2019A	On-going
9	Evaluation of Energy Technologies, Programs and Policies	US	EWG 12 2019A	On-going
10	Integrating Electrical Vehicles and Solar Rooftop PV in Electricity Distribution Systems with Continued Performance of Distribution Transformers	Thailand	EWG 03 2020A	BMC Approved
11	APEC Capacity Building Workshop on Retro-commissioning (RCx)	Hong Kong, China	EWG 09 2020A	QA Process
12	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 Updates (11)

Project Updates – EGEEC Completed Project

APEC Project Title		Proposing Economy	Project No.	Status
1	APEC Peer Review on Energy Efficiency (PREE) Phase 8	Japan	EWG 02 2018A	Completed
2	Aligning Conformity Assessment Efforts for Energy Efficiency Regulations of Motors in the APEC and ASEAN Regions	US	EWG 05 2018A	Completed
3	Coordinating Standards for Cool Roof Testing and Performance	US	EWG 14 2018A	Completed



EGEEC Updates (12)

Project Updates – EGEEC Self-funded Projects

APEC Project Title		Proposing Economy	Project No.	Status
1	APEC/NARUC Workshop on Supporting Renewable Energy Integration and Energy Efficiency through Effective Regulation	US	EWG 15 2018S	Completed
2	Workshop on Current Energy Efficiency Requirements for Electric Motors in the APEC and ASEAN Region	US	EWG 04 2019S	Completed
3	APEC Workshop on District Cooling and/or Heating System (DCHS)	Hong Kong, China	EWG 08 2019S	On-going

THANK YOU

