

APEC Project Update Hong Kong, China

6 October 2022

**THE 59TH MEETING OF THE APEC EXPERT
GROUP ON ENERGY EFFICIENCY &
CONSERVATION**

HKC APEC Projects

A

Project In Progress

1. APEC Funded Project on Capacity Building Workshop on Retro-commissioning (RCx) [EWG 09 2020A]
2. APEC Funded Project on Promoting Energy Efficient and Resilient Data Centre in the APEC Region [EWG 05 2021A]
3. Capacity Building Workshop on APEC's Goals of Doubling the Renewable Energy Share in the Energy Mix and Reducing Energy Intensity [EWG 08 2021S]
4. Promoting Energy Modelling in APEC Region [EWG 05 2022A]

B

Project Proposal for Session 2, 2022

1. APEC Retro-Commissioning (RCx) Hub: Training and Registration Scheme

APEC Capacity Building Workshop on Retro-commissioning (RCx) [EWG 09 2020A] – In Progress

Project Objectives

- Share the experience and best knowledge-based practices of Retro-commissioning
- Build capacity by collaborating with policy-makers, experts, academia, international organisations, practitioners and related stakeholders in developing RCx implementation frameworks, guidelines, and training programmes in pursuing facilitative measures that will expedite economic rebound.

Project Scopes

- Provide a platform for fostering the growing importance of RCx from the perspective of improving energy efficiency in driving progress toward meeting APEC's energy intensity reduction goal and increasing employment opportunities and economic activities post COVID-19.
- Organize a capacity-building workshop cum training to share retro-commissioning (RCx) guidelines and developments.

APEC forum:	EWG / EGEEC
Co-sponsoring economies:	Japan; Singapore; Thailand; The United States; Viet Nam
Expected Start Date:	May 2021
Project Completion Date:	Dec 2022
Project Cost:	USD 234,753

Project Status

Workshop cum Training

- The Workshop was conducted on 20-21 Jan 2022
- More than 100 experts and delegates from 11 APEC member economies attended the online workshop cum training to exchange knowledge on RCx.



Workshop Summary

- Workshop Summary was submitted to APEC Secretary.

Final Report

- Final Report is under preparation and is to be submitted to APEC tentatively by December 2022.

Promoting Energy Efficient and Resilient Data Centres in the APEC Region [EWG 05 2021A] – In Progress

Background

- New normal, including working from home, e-learning, e-commerce and e-shopping, has created the need for more use of IT and data centre services.
- Under “Digital Economy and Technology” of the APEC 31st Ministerial Meeting 2020, SOM instructs Senior Officials to accelerate the implementation of the APEC Internet and Digital Economy Roadmap (AIDER) and welcome the APEC Roadmap on Digital Financial Inclusion.

Project Scope

- Analyse the energy efficiency and resilience policies, international guidelines and standards, practices and the deployment of I&T technologies for the data centre to enable the “Digital Economy and Technology”.
- One-day capacity-building workshop was organized in June 2022 to share the pre-workshop study findings, experiences and best practices from international organisations, APEC fora, experts, and member economies.

APEC forum:	EWG / EGEEC
Co-sponsoring economies:	People’s Republic of China; Indonesia; Singapore; Thailand; the United States
Expected Start Date:	October 2021
Project Completion Date:	December 2022
Project Cost:	USD 276,944

Promoting Energy Efficient and Resilient Data Centres in the APEC Region [EWG 05 2021A] – In Progress

Project Status

Workshop

- The online Workshop was conducted on 28-29 June 2022
- More than 100 experts and delegates from 6 APEC member economies attended the workshop



Workshop Summary

- Workshop Summary is to be submitted to APEC Secretary by October 2022.



Final Report

- Final Report is under preparation and to be submitted to APEC tentatively by December 2022.

Capacity Building Workshop on APEC's Goals of Doubling the Renewable Energy Share in the Energy Mix and Reducing Energy Intensity [EWG 08 2021S]

Two half-day online workshops 29 and 30 November 2022 (8:30am – 1:00pm, GMT+8)

- First collaboration workshop between EGEEC and EGNRET
- Promoting effective energy intensity reduction and renewable energy policies and best practices
- Sharing knowledge, experience, and best practices of the Energy Efficiency and Renewable Energies policies as well as challenges and the application of emerging low-carbon technologies and economic instruments.

APEC forum:	EWG / EGEEC/EGNRET
Co-sponsoring economies:	Singapore; Thailand; the United States
Start Date:	November 2021
Project Completion Date:	June 2023

Capacity Building Workshop on APEC's Goals of Doubling the Renewable Energy Share in the Energy Mix and Reducing Energy Intensity [EWG 08 2021S]

Project Aim

- To build the capacity of APEC members in policies and initiatives in energy efficiency and renewables development and knowledge capacity of APEC members in some emerging low-carbon technologies and economic instruments.
- Accelerate to meet APEC regional goals of doubling the renewable energy share in the energy mix and reducing energy intensity;
- Promote engagement between the APEC Energy Working Group (EWG), APEC fora, and external partners (government officials, international institutions, academia, trade professionals, think tanks, NGO, etc.) ;
- Strengthen regional cooperation to attain carbon neutrality.

Capacity Building Workshop on APEC's Goals of Doubling the Renewable Energy Share in the Energy Mix and Reducing Energy Intensity [EWG 08 2021S]

29 November 2022 08:30-12:10 (GMT+8)

09:20 - 10:50	Session 1: Highlight Global Climate Action and APERC's Energy Demand and Supply Outlook
10:50 – 12:10	Session 2: Key drivers of the successful policies and initiatives in energy efficiency in APEC

30 November 2022 08:30-12:55 (GMT+8)

09:10 - 10:30	Session 3: Key drivers of the successful policies and initiatives in Renewables in APEC
10:40 – 12:55	Session 4: Emerging low-carbon technologies and Economic instruments

GI circular will be circulated to member shortly.

Promoting Energy Modelling in APEC Region [EWG 05 2022A]

Background

- The 2021 APEC Leader’s Declaration acknowledges the need for urgent and concrete actions to transit to a climate-resilient future worldwide economy and appreciates carbon neutrality commitments in this regard. It is crucial for APEC member economies to implement effective green policies and substantially monitor against the achievements.
- Energy modelling is an indispensable instrument for forecasting energy consumption and tracking low carbon transition progress.

Project Scope

- This project will organise a one-day capacity building workshop to share the pre-workshop study findings such as strengths of various energy forecast models and the experiences and practices of APEC economies on their use of energy models. A workshop summary of this project will serve as a valuable reference to promote APEC member economies on utilising energy modelling to put toward APEC goals.

Status

- Project commenced in October 2022.
- Online Workshop is to be organized by HKC in August 2023.

APEC forum:	EWG / EGEEC, EGEDA & APERC
Co-sponsoring economies:	China, Australia, Singapore, Japan and USA
Expected Start Date:	October 2022
Project Completion Date:	February 2024
Project Cost:	USD 160,395

A Retro-Commissioning (RCx) Hub: Training and Registration Scheme PEC [APEC Funded Project Proposal for Session 2, 2022]

Background

- Retro-commissioning (RCx) is a systematic and cost-effective process periodically examining the building services system and energy performance. Following the APEC Project EWG 09 2020A, Hong Kong, China proposes to develop a website, “APEC RCx Hub”, for capacity building among APEC member economies. The objectives of this project are to establish an APEC RCx online platform to share guidelines, policies, best practices, and registration scheme, as well as organise online RCx training for APEC economies to build the capacity to drive energy-efficient buildings. The deliverables of this project will accelerate the move toward the APEC energy intensity reduction goal.
- The project objectives are to build the capacity of retro-commissioning of APEC member economies and drive energy-efficient buildings. It supports meeting growth needs for urbanisation while limiting the growth in energy-related demand and carbon emissions.

Project Scope

- An APEC RCx Hub website, a series of training, sharing of registration scheme, will contribute to achieving the APEC energy intensity reduction goal of 45% by 2035 and responding to the 2021 Leaders’ Declaration and APEC Priorities.

Status

- Concept Note was approved.
- Project Proposal was submitted to Quality Assessment.

APEC forum:	EWG / EGEEC, EGEDA & APERC
Co-sponsoring economies:	China; Japan; Singapore; and Viet Nam
Expected Start Date:	January 2023
Project Completion Date:	December 2023
Project Cost:	USD 25,950

THANK YOU!