



Asia-Pacific
Economic Cooperation

The 61st Meeting of APEC Expert Group on Energy Efficiency & Conservation and 59th Meeting of APEC Expert Group on New and Renewable Energy Technology

*"Reinforcing Relevant Laws for a Comprehensive Approach to Energy Efficiency and Conservation,
Renewable Energy, Electric Vehicle, and Sustainability in the APEC Region"*

APEC Project Update Hong Kong, China

18 October 2023

Makati City, Metro Manila, Philippines



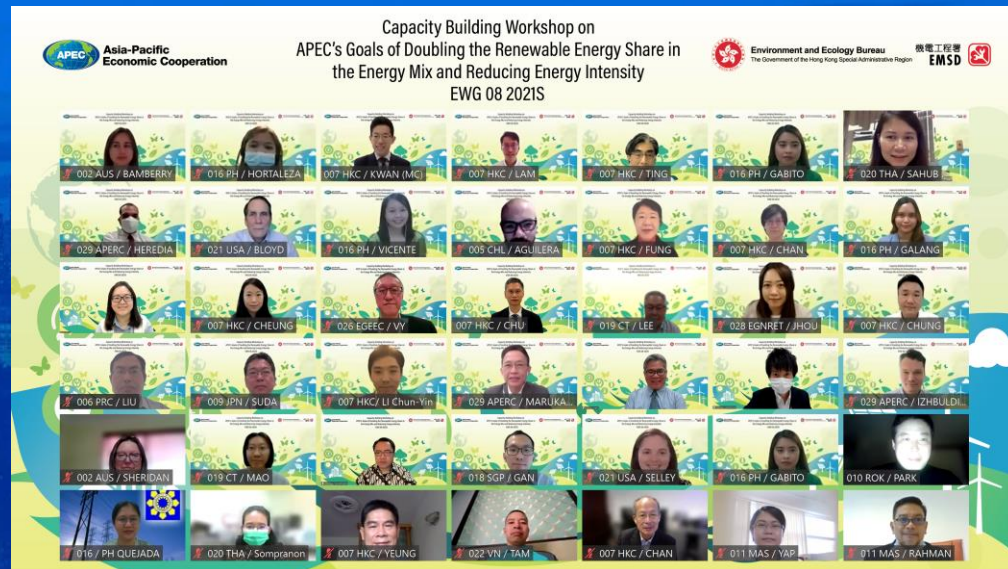
HKC APEC Projects

No.	Project Title	Project #	Status
1	Capacity Building Workshop on APEC's Goals of Doubling the Renewable Energy Share in the Energy Mix and Reducing Energy Intensity	EWG 08 2021S	In Progress
2	Promoting Energy Modelling in APEC Region	EWG 05 2022A	In Progress
3	APEC Retro-Commissioning (RCx) Hub: Training and Registration Scheme	EWG 07 2022A	In Progress
4	Promoting Digital Solar Resource Maps and Management Technologies in Advancing Renewables Growth in APEC	EWG 01 2023A	In Progress
5	Promoting Energy Efficiency Enhancement in Electricity Generation	CN EWG 08 2023 / EWG 211	Pending BMC

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

Status:

- Workshop held on 29 and 30 Nov 2022
- Workshop Summary submitted to PD



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

- A green hydrogen alliance to trade and collaborate with international organizations to promote green hydrogen.
- A need for a clear definition of green hydrogen and other related green technologies to accelerate the energy transition.
- Different regions faced varying geological and financial challenges, requiring diverse capacity buildings and the use of energy-efficient equipment.
- Transmission system shall match the growth of renewable energy sources.
- Ammonia shows potential as a clean fuel for power generation, but its success depended on the development of a robust ammonia supply chain.
- The fossil fuel energy-intensive sectors, such as power plants could be the starting point to develop an emissions trading system.
- Data quality is vital for the development of a voluntary ETS. Transparent accounting of emission data helps improve credibility of emission data and ensure no double counting in terms of claiming, issuance, and usage.

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

Status:

- Workshop held on 8 Aug 2023
- Workshop Summary submitted to PD

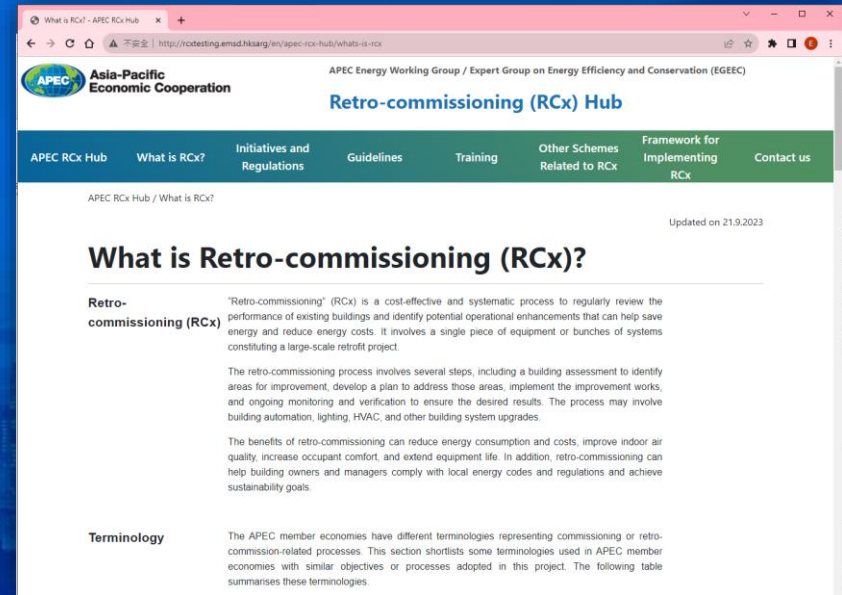
Highlight of findings:

- The workshop emphasized the iterative process of data gathering, stakeholder involvement, and model enhancements as best practices.
- LEAP, TIMES, AIM, and EPS were identified as major model types, each with its own strengths.
- Choosing model platforms wisely and leveraging existing work and datasets were recommended to save time and costs.



3. APEC Retro-Commissioning (RCx) Hub: Training and Registration Scheme [EWG 07 2022A]

- Establish is a website (APEC Hub)
 - Trial site is established
 - Including information of Initiatives and Regulations; Guidelines; Training Courses; Others.
 - Suggested a framework for Implementing RCx
- Online RCx Training Courses
 - Three training levels
 - Training video and examination
 - To be launched in Q4 of 2023.



4. Promoting Digital Solar Resource Maps and Management Technologies in Advancing Renewables Growth in APEC [EWG 01 2023A]

- APEC Forum:
 - EWG / EGNRET
- Co-sponsoring economies:
 - China; Japan; Philippines; Singapore; Thailand; United States; Viet Nam
- Objectives:
 - To promote digital technology and innovate and improve capacity in the development and deployment of renewables, particularly solar energy, of APEC economies
- Status:
 - Project commenced, pre-workshop study is undergoing
 - One-day workshop will be organised in the Q2-Q3 of 2024

5. Promoting Energy Efficiency Enhancement in Electricity Generation [CN EWG 08 2023 / EWG 211]

- APEC Forum:
 - EWG / EGEEC and EGCFE
- Co-sponsoring economies:
 - Chile; Japan; the United States; Viet Nam; Singapore
- Objectives:
 - To promote EE enhancement in electricity generation

THANK YOU!

