

APEC Expert Group on
New and Renewable Energy Technologies



Asia-Pacific
Economic Cooperation

EGNRET

EGNRET Updates

EGNRET

EGCFE 2023

20 April 2023

EGNRET Works

- The mission of the APEC Expert Group on New and Renewable Energy Technologies (EGNRET) is to facilitate the increase in the use of new and renewable energy technologies in the APEC region.
- EGNRET has been working closely with other APEC Expert Groups, Task Forces, member economies and international organizations to regularly hold EGNRET meetings, set meeting themes and monitor projects.



EGNRET 58 Meeting

- The Joint Meeting of EGNRET 58 and EGEDA34
- Date: 4-5 April 2023
- Host Economy: USA (Physical Meeting)
- The meeting theme :
Economy Movement toward Carbon Free Electricity



EGNRET 58 Meeting



Participating Economies

(12) Australia; Brunei Darussalam; Hong Kong, China; Japan; Republic of Korea; Papua New Guinea; the Philippines; Singapore; Chinese Taipei; Thailand; The United States; Viet Nam

APEC fora

(5) EGEDA ; EGNRET ; EGCFE ; EGEEC ; APERC

Non APEC Organization

(3) IRENA; US-SEGA; Hawaii Natural Energy Institute (HNEI)

Meeting Theme

Economy Movement toward Carbon Free Electricity

- HKC, Japan, the Philippines, Singapore, Chinese Taipei, Thailand, and United States shared the plans and strategies toward carbon free electricity.

Discussion

Members' Methodology on RE Data Collection and Reporting

- Sharing latest development and the difficulties of energy data collection.
- Discussing data collection :
 - Hydrogen:
 - ✓ extend the period of pilot data collection
 - ✓ check consistency of the tables; questionnaires; reporting
 - E-fuel: how to include e-fuels and other new technologies

Discussion

APEC Potential New Energy Goals

- **EGEDA reported on the progress of APEC energy intensity and renewable energy share doubling goals.**
- **APEC potential new energy goals**
- **Hong Kong, China reported the progress of small group meetings and members' views on New Energy-Related Goals, and the options paper.**
- **Options paper**
 - ✓ Remain current goals and explore new goals when data is ready
 - ✓ Continue explore new goals

Discussion

Further Areas of Collaboration between Expert Groups

- Proposing joint project among expert groups
- Having joint meeting
- Encourage members to attend meeting and related activities
- Hybrid meeting could be an option to encourage more economies to join
- Encourage members to send contact point to expert group
- Research center could consider to integrate expert groups
- Having relevant workshops alongside with joint meeting is valuable for everyone
- Inviting transportation working group to join to have broader discussion (e.g., incl. EV)

EGNRET Project Updates (as of Mar. 2023)

Status	Projects
Concept Note	1
Project Proposal	1
Project in Implementation	12
Completed since EGNRET 57 (5th - 7th October 2022)	3

Suggested Collaboration between EGCFE and EGNRET

- EGNRET has a variety of projects for accelerating renewable energy development in the APEC region.
- In response to global net-zero emissions initiative, more and more new and renewable energy technologies are emerging. For example, hydrogen energy **is an important topic for future collaboration.**
- EGNRET would like to seek more opportunities for further cooperation with EGCFE.
- Joint meeting by EGCFE and EGNRET is proposed for further interaction and discussion.



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**Thank
You
For Your
Attention!**

EGNRET website
<http://www.egnret.ewg.apec.org/>



EGNRET Project Updates (as of Mar. 2023)



Concept Note (1)

	Project Title	Proposed Economy
1	Promoting Digital Solar Resource Maps and Management Technologies in Advancing Renewables Growth in APEC	Hong Kong, China

Project Proposal (1)

	Project Title	Proposed Economy
1	Matured Impact Metrics Modelling for Mini-Grid Projects (MIMG) in APEC region	Korea

EGNRET Project Updates (as of Mar. 2023)



Ongoing Projects (12)

Project Number	Project Title	Proposed Economy
EWG 13 2021A	The Legislation Recommendation and Promotion of Multifunctional Ocean Space Usage: Feasibility Analysis of Integrating Floating PV Installations at Offshore Wind Farms in the APEC Region	Chinese Taipei
EWG 14 2021A	Empowering Indigenous Social Awareness on Renewable Energy and Increasing Inclusion Sustainability for Green Recovery in APEC Regions	Chinese Taipei
EWG 15 2021A	Best Practices on the Energy Storage System in E-scooters Developments and Applications in the APEC Region	Chinese Taipei
EWG 10 2021A	Achieving Carbon Neutrality through Bio-Circular-Green Economy Principle	Thailand

EGNRET Project Updates (as of Mar. 2023)



Project Number	Project Title	Proposed Economy
EWG 12 2021A	APEC Workshop Furthering University Collaboration with Policymakers, APSEC, and APERC on Data Gathering and Analysis in Energy Efficiency, Renewable Energy, and Energy Resiliency	USA
EWG 07 2021A	Impacts of COVID-19 on renewable energy development in APEC Economies	China
EWG 06 2021A	Support offshore wind deployment and grid connection in APEC region	China
EWG 04 2021A	Lessons learned on resiliency and uptake of variable energy resources from islanded grids that support APEC clean energy goals	USA

EGNRET Project Updates (as of Mar. 2023)



Project Number	Project Title	Proposed Economy
EWG 10 2020A	Utilizing Renewable Energy Certification to Facilitate APEC Regional Renewable Energy Growth	Chinese Taipei
EWG 14 2020A	The Promotion of Community Waste-to-energy System	Chinese Taipei
EWG 03 2020A	Integrating Electrical Vehicles and Solar Rooftop PV in Electricity Distribution Systems with Continued Performance of Distribution Transformers	Thailand
EWG 08 2020A	APEC Workshop on Promoting Renewable Energy for Rural and Remote Area Development	Viet Nam

EGNRET Project Updates (as of Mar. 2023)



Completed Projects (3)

Project Number	Project Title	Proposed Economy
EWG 10 2019A	APEC Workshop on Strategies and Successful Case Studies on Solar Energy	Viet Nam
EWG 04 2020A	The APEC Workshop on Community Based Waste to Energy Management	Indonesia
EWG 03 2021S	APEC Clean Energy Purchasing and Decarbonization Workshop	USA