



Asia-Pacific
Economic Cooperation

EGNRET

EGNRET Updates

EGNRET Secretariat

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EGNRET 57

(Virtual Meeting)

**Hosted by Thailand
5-7 October 2022**

1. EGNRET 56 Meeting

Meeting Dates: 6-7 April 2022 (Virtual Meeting)

1) Host Economy: The United States

2) Participants:

- **Economies (10):** Australia, Canada; Hong Kong, China; Japan; Republic of Korea; Singapore; the Philippines; Chinese Taipei; Thailand; The United States
- **APEC fora (6):** APEC Secretariat; EWG ; EGEE&C; EGEDA; APERC; APSEC



1. EGNRET 56 Meeting

3) Meeting Theme: Hydrogen Energy Technologies

Invited Presentations

- Australia: Mr. Andrew Williamson, Knowledge Sharing Manager, Australian Renewable Energy Agency
- Japan: Mr. Hiroki Yoshida, Deputy Director of Hydrogen & Fuel Cell Strategy Office, Energy Efficiency and Renewable Energy Department, Agency for Natural Resources and Energy, METI
- Republic of Korea: Dr. Tae-Hyun Yang, Head of the Hydrogen Energy Research Division, Korea Institute of Energy Research
- The United States: Dr. Sunita Satyapal, Director, Hydrogen and Fuel Cell Technologies Office, US Department of Energy

1. EGNRET 56 Meeting

3) Meeting Theme: Hydrogen Energy Technologies

Key Challenges

Restricted supply of key equipment in the market

Lack of investor confidence, Securing offtake is critical

Uncertainty and risk in total project costs

Transportation cost

Lack of infrastructure

Formulating suitable regulations for hydrogen use

1. EGNRET 56 Meeting

4) Discussion on Hydrogen Energy Technologies

Suggestions

- International collaboration
- Developing Infrastructure
- Requiring extensive research in basic chemistry and materials
- Scaling up the supply and demand of hydrogen to lead cost reduction
- Green premium
- Providing subsidies or implementing carbon tax
- Call for formulating suitable regulations
- Find applications to help job start and solve all new existing technology to establish the supply infrastructure and demand

2. EWG 63 Meeting

- Host Economy: Chinese Taipei (Virtual)
- Meeting date: June 14-16, 2022

EGNRET Chair attended the EWG meeting to report EGNRET meeting results and updates.



EWG 63 Key Conclusion

- The Lead Shepherd reminded members of the EWG tradition of **sharing 2 page summaries of completed projects** and requested that members observe this tradition, which is a valuable way of sharing the outcomes and lessons learned on projects that members may otherwise be unaware of.
- The Lead Shepherd noted that a number of EWG projects are not being submitted through expert groups or task forces lately and reminded members that it is the EWG's policy that **all projects be submitted through one of the sub-fora.**

2. EWG 63 Meeting

EWG 63 Key Conclusion

- The LCMT Chair noted that all LCMT-TF activities have concluded. As such, the LCMT-TF will conclude at the end of 2022 unless there is a request from members to continue its work. The LCMT Chair will contact members intersessionally to seek their views on the continuation of the task force.
- Given that APEC members are on track to meet the existing renewable energy doubling and energy intensity goals, members discussed the possibility of developing new goals. The Lead Shepherd proposed organizing a small group to discuss new goals intersessionally and report back at EWG 64. The LS requested that Deputy Lead Shepherd take the lead in coordinating these discussions, asked for economies to volunteer to participate in the discussions, and asked APERC and APSEC to lend their support, as needed.

3. EWG Small Group Meeting

Renewable Energy Goal

Doubling the renewable energy share in the APEC energy mix by 2030 (relative to 2010).

Energy Intensity Goal

An energy intensity improvement of 45% by 2035 (relative to 2005)

The EWG Small Group aims to explore the potential new APEC energy-related goal(s). It is targeted to discuss the possible new energy-related goal(s) intercessional and report the outcome to the EWG.



EGNRET Chair and Secretariat attend the EWG Small Group Meeting on Aug. 19 and Sep.16.

4. EGNRET Project Updates (as of Sep. 2022)

Status	Projects
Concept Note	0
Project Proposal	2
Project in Implementation	12
Completed since EGNRET 56	3

**Thank
You
For Your
Attention!**

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

