

The 62nd APEC Expert Group on New and Renewable Energy Technologies (EGNRET 62) Meeting

The 62nd EGNRET Meeting Summary

Physical Meeting hosted by Hong Kong, China on April 10, 2025

1. Introduction

The 1st Joint Meeting of Four Expert Groups of the APEC Energy Working Group (EWG), the 62nd APEC Expert Group on New and Renewable Energy Technologies (EGNRET 62) and the Joint Meeting of EGNRET 62 and the APEC Expert Group on Clean Fossil Energy (EGCFE 2025) were hosted by Hong Kong, China from April 9 to 10, 2025, in Hong Kong, China.

The Joint Meeting of Four Expert Groups of the APEC Energy Working Group (EWG)—namely, the Expert Group on Energy Data and Analysis (EGEDA), the Expert Group on Energy Efficiency and Conservation (EGEEC), the Expert Group on New and Renewable Energy Technologies (EGNRET), and the Expert Group on Clean Fossil Energy (EGCFE) was held on 9 April 2025, and in the afternoon of 10 April, 2025.

Delegates from eighteen (18) APEC member economies (Australia; Brunei Darussalam; Canada; Chile; People's Republic of China; Hong Kong, China; Indonesia; Japan; Republic of Korea; Malaysia; Papua New Guinea; Peru; The Philippines; The Russian Federation; Singapore; Chinese Taipei; Thailand; and Viet Nam), and representatives from eight (8) APEC fora and sub-fora (APEC Secretariat; EWG; EGEDA, EGEEC, EGNRET, EGCFE, Asia Pacific Energy Research Centre (APERC); APEC Sustainable Energy Center (APSEC), and four (4) international organizations (International Energy Agency (IEA),



International Renewable Energy Agency (IRENA), International Energy Forum (IEF), Collaborative Labelling and Appliance Standards Program (CLASP)) participated in the joint meeting.

The 62nd EGNRET Meeting was held from 9:00 AM to 10:15 AM on April 10, 2025, and the Joint Meeting of EGNRET 62 and the EGCFE 2025 was held from 10:25 AM to 12:00 PM on April 10, 2025.

Delegates from thirteen (13) APEC member economies, namely Canada, Chile; People's Republic of China; Hong Kong, China; Republic of Korea; Malaysia, Papua New Guinea; Peru; the Republic of the Philippines; Russia, Chinese Taipei; Thailand, and Viet Nam, and representatives from six (6) APEC fora, including APEC Secretariat, EWG Secretariat; EGCFE, APERC; APSEC and APEC Sub-Committee on Standards and Conformance (SCSC) attended. In addition, representative from the Organization for Economic Co-operation and Development (OECD), participated in the Joint Meeting as guest speaker.

The list of participants in Joint Meeting of the 62nd EGNRET Meeting and EGCFE 2025 is attached as an annex to the meeting summary.

2. The Joint Meeting of Four Expert Groups (09:00 AM-16:20 PM on April 9, 2025)

The Meeting was co-chaired by Mr. Takehiko Saeki (Acting Chair of EGCFE), Mr. Glen Sweetnam (Chair of EGEDA), Dr. Liu Meng (Chair of EGEEC), and Dr. Chi-Wen Liao (Chair of EGNRET). The full content from the Joint Meeting was shared separately by the host economy, Hong Kong, China, and was endorsed by the participants on July 11, 2025.

2.1 Official Welcome

Mr. TSE Chin-wan, Secretary for Environment and Ecology, HKC, welcomed attendees to the inaugural Joint Meeting of the Four Expert Groups. He highlighted the critical role of APEC economies, which account for 60% of global



energy consumption. As the member economies pursue rapid and ongoing economic growth and urbanization, energy demand and carbon emissions in the region will continue to rise, making it crucial to accelerate the transition to green energy, mitigate climate change risks, and ensure energy security and sustainable economic development. He also outlined HKC's commitment to achieve carbon neutrality before 2050, through four major decarbonization strategies, namely, net-zero electricity generation, energy saving and green buildings, green transport, and waste reduction. HKC is actively implementing various decarbonization measures, such as planning infrastructure to import more zero-carbon electricity from neighboring regions, enhancing energy efficiency in buildings, promotion of electric vehicles and promoting hydrogen energy development for achieving a green and sustainable future.

2.2 Host Economy Presentation

Mr. Poon Kwok-Ying, Raymond, Director of Electrical and Mechanical Services Department (EMSD), HKC, highlighted HKC's longstanding participation in the EWG since 1991 and contributions including organizing meetings, projects, and leadership roles in the EWG. He emphasized the critical role of collaborative efforts in combating climate change, noting HKC's pledge for carbon neutrality by 2050 and achievement in reducing energy intensity by 33.5% since 2005 and its.

Mr. Poon shared various initiatives to achieve carbon neutrality, including establishment of energy database, benchmarking tools, and mandatory energy audits for buildings, which have led to a 20% reduction in energy utilization. District Cooling System was showcased as it provides multi-faceted benefits, while advancements in AI and data analytics are being leveraged to optimize energy management.

Mr. Poon also discussed the development of renewable energy technologies, including the waste-to-energy facilities and innovations such as the Hong Kong Solar Irradiation Map and Integrated Self-sustained renewable-Energy Explorer



(iSEE) for facilitating RE adoption. He outlined future plans for hydrogen development and the integration of AI in building energy management systems.

2.3 EGNRET Updates by Dr. Chi-Wen Liao, Chair of EGNRET

Dr Chi-Wen Liao, EGNRET Chair, provided an update on the 61st EGNRET meeting, which was held virtually and attended by representatives from twelve economies. The meeting's theme was "New and Renewable Energy Development in the APEC Region," and members shared the latest developments in renewable energy. He also highlighted key updates from "APEC Policy Guidance to Develop and Implement Clean and Low-Carbon Hydrogen Policy Frameworks in the Asia-Pacific", including EGEDA's mention of the potential role of e-methane, EGCFE's emphasis on the importance of APEC's Policy Guidance, and APERC's plan to collaborate with both EGCFE and EGNRET, as well as to propose a new project for follow-up actions. APSEC suggested organizing more workshops and encouraging targeted APEC project submissions. Regarding EGNRET project updates, five (5) Concept Notes were submitted for Project Session 1, 2025; there are currently eighteen (18) ongoing projects, and several APEC workshops will be hosted by Chile, Chinese Taipei, the United States, and Viet Nam this year; three (3) projects have been completed, including two (2) implemented by Japan and one (1) by Chinese Taipei. Finally, Dr. LIAO announced that the next EGNRET meeting will be held in Seoul, Republic of Korea, in September or November 2025. EGNRET 64 will take place in late April or early May in Khon Kaen, Thailand, in 2026.

3. The 62nd EGNRET Meeting - (09:00 AM-10:15 AM on April 10, 2025)

The Meeting was chaired by Dr. Chi-Wen Liao, Chair of EGNRET, and cochaired by Mr. Ping-Wai Lam, the Chief engineer of Energy Efficiency A, Electrical and Mechanical Services Department (EMSD), Hong Kong, China.



3.1 Opening Address and Adoption of Meeting Agenda

Dr. Chi-Wen Liao, Chair of EGNRET, introduced Mr. Ping-Wai Lam, Co-Chair of the EGNRET 62 Meeting, who extended a warm welcome to all participants on behalf of the host economy, Hong Kong, China. Dr. Liao also introduced Dr. Yaowateera Achawangkul, the newly selected Vice-Chair of EGNRET, who expressed his gratitude to the members and his honor to serve in this role for the first time. Dr. Liao conveyed his sincere thanks to the host economy, Hong Kong, China, for its support in organizing the meeting.

Dr. Liao recalled that the 61st EGNRET Meeting had addressed the development of new and renewable energy and the goal of doubling the renewable energy share in the Asia-Pacific region. Building on that momentum, the 62nd EGNRET meeting would further delve into potential new APEC goals and the development of clean and low-carbon hydrogen. He encouraged participants to take full advantage of this opportunity to engage in further discussions and reaffirmed that a joint meeting with the APEC Expert Group on Clean Fossil Energy (EGCFE) would be held following the conclusion of the 62nd EGNRET Meeting. The meeting agenda was subsequently adopted by participating member economies.

3.2 EGNRET Project Updates by Ms. Yi-Ting Chang, EGNRET Secretariat

The EGNRET Secretariat provided an overview of the project process, project cycle, and recent updates, beginning with the APEC Project Administration System (APAS), which manages all procedural steps. The "Guidebook on APEC Projects" was introduced as a key reference for member economies applying for APEC funding. She also outlined the four stages of the project cycle. To apply for the EELCER Sub-Fund, projects must meet criteria such as securing at least four co-sponsoring economies, aligning with APEC's goals, and demonstrating clear capacity-building benefits for APEC's developing economies. It was further noted that starting this year, the quality assessment process would be conducted in two consolidated batches. Projects with earlier-



scheduled workshops will be prioritized for review by the Project Management Unit (PMU). The Secretariat also presented the updated timeline for project sessions. As of March 2024, five concept notes had been submitted by Chile, China, Japan, and Viet Nam under Project Session 1. Currently, EGNRET has 18 projects under implementation.

3.3 Project Updates

Four (4) projects presented by three (3) member economies, namely Japan (APERC), Chinese Taipei, and Thailand, are listed in the table below.

Proposed Economy	Project Number	Project Title		
		Capacity Building to Accelerate		
Thailand	Concept Note	Investment on Energy Resilient		
(PPSTI)	(PS1)	Infrastructure towards APEC Energy		
		Goals		
Japan Concept Note Capacity Building Worksho		Capacity Building Workshop for the New		
(APERC)	(PS1)	and Renewable Energy Policy		
		Benchmark of Facilitated Actions to Fulfill		
	EWG_103_2024A	the Energy Efficiency Benefit of AMI in the		
Chinese		APEC Region		
		The Legislation Recommendation and		
Taipei	EWG 13 2021A	Promotion of Multifunctional Ocean Space		
		Usage: Combine Floating PV Installations		
		at Offshore Wind Farms		

3.3.1 Capacity Building to Accelerate Investment on Energy Resilient Infrastructure towards APEC Energy Goals (Thailand)

The concept note of the project was endorsed by EWG members in March 2025. The project aims to promote investment in resilient energy infrastructure by identifying financial barriers and exploring effective risk pooling mechanisms across APEC economies. A two-day capacity-building workshop is planned to be held in early 2026. Key activities include a study on financing challenges, a hands-on session for designing bankable projects, and the development of a



final report featuring policy recommendations.

3.3.2 Capacity Building Workshop for the New and Renewable Energy Policy (Japan)

The concept note of the project was endorsed by EWG members in March 2025. The project aims to strengthen the policy capabilities of APEC member economies in promoting new and renewable energy policies, supporting regional and global renewable energy goals. A two-day capacity-building workshop is planned to be held in April 2026, in conjunction with the EGNRET 64 Meeting. Key objectives include identifying common challenges in implementing NRE policies, sharing best practices among economies, and proposing improvements to support energy transition pathways.

3.3.3 Benchmark of Facilitated Actions to Fulfill the Energy Efficiency Benefit of AMI in the APEC Region (EWG_103_2024A / Chinese Taipei)

The project aims to maximize the benefits of Advanced Metering Infrastructure (AMI) adoption across APEC economies by providing a facilitative list of actions for early-stage implementation. Key activities include customer education, improved behavioral feedback, and the use of high-resolution data to support demand response. A real-case survey will also be conducted to assess AMI benefits. A workshop is planned for September or November 2025.

3.3.4 The Legislation Recommendation and Promotion of Multifunctional Ocean Space Usage: Combine Floating PV Installations at Offshore Wind Farms (EWG 13 2021A / Chinese Taipei)

The project addressed legal and regulatory issues related to the multifunctional use of offshore space, focusing on the integration of floating photovoltaic (PV) installations with offshore wind farms. Key findings highlighted the legal implications of ocean space permitting and potential conflicts with existing fishing rights. A workshop was held in February 2024 in Taichung, Chinese Taipei, with participants from 10 APEC economies and included a site visit to a



wind turbine training center. The final report and guidebook are now available for download.

4. EGNRET Administration and Operation by Ms. Yi-Ting Chang, EGNRET Secretariat

4.1 Terms of Reference (ToR)

- (1) Following the recommendation by APEC Senior Officials to renew the EWG and update all Terms of Reference (TORs), the EGNRET Secretariat prepared a revised draft TOR. The first draft was endorsed by EGNRET members on January 16, 2025. A second draft, incorporating feedback from EWG members, has been prepared and is currently under review. Members will be updated once the revised ToR is endorsed.
- (2) Key revisions include the streamlining of overlapping content in Section 2.2 "Objectives" and the incorporation of input from two economies. The objective on Page 2 was simplified to align with the updated EWG Strategic Plan, including reference to the Just Energy Transition Initiative (JETI). Relevant content was retained to reflect the continued importance of EGNRET cooperation, and minor updates were made to acknowledge additional fora. Further suggestions from EWG members were also incorporated into the revision to Page 4.

4.2 Upcoming Meetings

The 70th EWG Meeting will be held from August 25 to 26, 2025 in Busan, Korea. The next EGNRET Meeting (EGNRET 63) is tentatively scheduled for September or November 2025 in Seoul, Korea. In addition, EGNRET 64 will be hosted by Thailand and is scheduled to take place in late April or early May 2026 in Khon Kaen, Thailand. The secretariat looks forward to welcoming all members to the upcoming EGNRET meetings and associated workshops.

5. Discussion of Areas of Collaboration on Potential New APEC goals and Clean and Low-Carbon Hydrogen (CLCH)



The collaborative actions were discussed by the attending economies, APEC fora, and research centers as listed below.

- (1) Dr. Chi-Wen Liao, Chair of EGNRET, introduced a proposed workplan from Peru for implementing the "APEC Policy Guidance to Develop and Implement Clean and Low-Carbon Hydrogen Policy Frameworks in the Asia-Pacific" (PGH), endorsed at the 14th APEC Energy Ministerial Meeting (EMM14). The EGCFE and EGNRET are responsible for technically implementing the Policy Guidance. Expert Groups should decide how to best carry out and monitor this implementation. Therefore, the EGNRET proposed two possible actions: mapping international hydrogen initiatives and reviewing annex materials, as well as sharing public resources via the EGNRET website. The EGNRET also suggested aligning APERC's future hydrogen events with expert group's meetings and proposed strengthening collaboration with international organizations such as the Organization for Economic Co-operation and Development (OECD), the Asia-Pacific Metrology Programme (APMP), the APEC Sub-Committee on Standards and Conformance (SCSC), the APEC Policy Partnership on Science, Technology and Innovation (PPSTI), and the APEC Research Center for Advanced Bio-Hydrogen Technology (ACABT), to support policy development, standards harmonization, and regional cooperation.
- Technology and Economics Research Institute (CETERI), presented key aspects of China's renewable energy strategy, spanning integrated systems, technological innovations, industrial research and development, and international collaboration. The presentation highlighted China's deployment of a low-carbon system integrating wind, solar, hydropower, hydrogen, and carbon dioxide management, as well as advancements in renewable technologies and green hydrogen development. China Energy Group (CHN Energy), a state-owned enterprise, was introduced as a major



actor in energy development. Examples of ongoing innovation include floating wind-aquaculture platforms and hybrid hydro-wind-solar bases. CETERI also shared cooperation efforts through the Future Clean Energy Technology Center (CET) and the China-European Hydrogen Technology Innovation Center both supporting cross-border research, demonstration, and commercialization pathways for advanced energy technologies. CETERI concluded by reaffirming the value of the APEC platform and expressed willingness to continue regional collaboration. Dr. Liao welcomed the presentation and encouraged the sharing of best practices and demonstration outcomes through future collaborative initiatives.

- (3) Dr. Yong Sun, Researcher of APSEC, highlighted APSEC's previous collaboration with Peru on the hydrogen policy dialogue document, emphasized the importance of low-carbon and green hydrogen to APEC economies. APSEC is working on a new research project "Hydrogen Energy Development and Applications in APEC Economies and China' Practices Under Carbon Neutrality Goals", trying to get more information on relevant technologies, policies and best practices in China and member economies. APSEC expressed interest in seeking feedback from the EGNRET and other economies and would provide updates to the EGNRET and EWG as the project progresses. Dr. Liao welcomed the initiative and expressed willingness to support information sharing and possible alignment with Peru's hydrogen workplan.
- (4) Mr. Jorge Guillermo GARCIA MANRIQUE, Counsellor, Advisor to the APEC and Specialized Forums Directorate, Ministry of Foreign Affairs of Peru, expressed appreciation to APSEC and other economies for contributing to the implementation of the Policy Guidance (PGH). Peru emphasized that hydrogen remains a key issue under discussion in the EWG and recalled the mandate given by APEC energy ministers in the previous year. Peru also extended thanks to the EGNRET Chair for introducing the topic at the meeting. A proposed implementation workplan



would be presented during the upcoming EGNRET & EGCFE Joint Meeting, with the aim of obtaining endorsement from both expert groups. Peru noted that this step could help pave the way for future hydrogen-related projects and initiatives.

6. Joint Meeting of EGNRET and EGCFE (10:25 AM-12:00 PM on April 10, 2025)

The Meeting was chaired by Dr. Chi-Wen Liao, Chair of EGNRET; Mr. Takehiko SAEKI, Acting Chair of EGCFE; and co-chaired by Mr. Ping-Wai Lam of EMSD, Hong Kong, China.

6.1 Opening Address

Dr. Chi-Wen Liao, Chair of EGNRET, highlighted that the Joint Meeting would focus on implementing the "APEC Policy Guidance to Develop and Implement Clean and Low-Carbon Hydrogen Policy Frameworks in the Asia-Pacific." He emphasized the growing importance of hydrogen in advancing decarbonization, enhancing energy resilience, and fostering clean energy innovation across the region. Dr. Liao encouraged delegates to actively engage to align efforts and advance implementation strategies.

Mr. Takehiko Saeki, Acting Chair of EGCFE, acknowledged Peru's proposal for the implementation workplan of the Policy Guidance (PGH) and noted that EGCFE would consider initiatives within its mandate, including sharing success cases related to hydrogen and its derivatives among APEC economies, and organizing workshops on this topic. He expressed appreciation to the host economy and looked forward to meaningful exchanges during the meeting.

6.2 Presentation by Dr. Manuel Heredia, Senior Researcher of APERC

Dr. Heredia presented the key findings of the draft "Hydrogen Report 2024", which monitors developments in clean and low-carbon hydrogen across the APEC region. He emphasized APEC's leading role in committed hydrogen production capacity and noted that despite projected growth by 2030, clean



hydrogen still accounts for less than 1% of global hydrogen use. He identified key challenges such as demand uncertainty, high costs, and absence of global standards. He also underscored the importance of certification, regulation, infrastructure development, government support mechanisms, and hydrogen hubs as key strategies to advance the hydrogen industry.

6.3 Presentation by Ms. Adelaida Baeriswyl Concha, Advisor of International Affairs Office, Ministry of Energy, Chile

Ms. Concha reported the progress on the project "Certification of Hydrogen and its Derivatives in APEC Economies: Its Role in Driving the Market." The project examines international certification standards and how APEC economies are developing institutional arrangements to support them. A preliminary report, completed in late March, includes both a literature review on hydrogen policies and regulations across APEC economies, and a survey-based assessment of readiness, barriers, and opportunities for harmonization. The survey received responses from nine economies. She noted that certification systems are evolving rapidly and play a key role in market integration, investment, and trust. A workshop is scheduled for May 5 to 6, 2025 in Santiago, Chile, with participation confirmed from twelve economies. The agenda will cover certification challenges, implementation, and the development of a regional roadmap.

6.4 Presentation by Mr. Kelvin Fong, Engineer of EMSD, Hong Kong, China

Mr. Fong provided an update on the ongoing project "Hydrogen for Land Transport: Development Pathways and Challenges," co-sponsored by Chile, China, the Philippines, Singapore, and Vietnam, highlighting progress in preworkshop studies and plans for a capacity-building workshop in the third quarter of 2025. The project focuses on addressing challenges related to hydrogen adoption, including safety regulations, logistics, skills development, and ensuring a sustainable supply of low-carbon hydrogen. A self-funded consultant



has been engaged to support the pre-workshop work, and participant invitations will begin by mid-June.

6.5 Presentation by Mr. Deger Saygin, Director of Sustainable Energy, OECD (Pre-Recorded)

Mr. Saygin delivered a pre-recorded presentation titled "Leveraging De-risking Instruments and International Coordination to Catalyze Investment in Clean Hydrogen." He outlined financing challenges for clean hydrogen, emphasizing off-take risks and the need for appropriate combinations of risk mitigation instruments throughout the project life cycle. Key tools discussed included contracts for difference (CfD), guarantees, foreign investment insurance, and blended finance mechanisms. He stressed the importance of alignment of policy strategies across APEC economies and regions, engaging with existing international initiatives, and ensuring effective public-private risk sharing to support large-scale, bankable hydrogen projects.

6.6 Presentation by Dr. Byung Goo Kang, SCSC Chair (Pre-Recorded)

Dr. Kang delivered a pre-recorded presentation titled "Standardization, Certification, and Collaboration for the Hydrogen Economy", emphasizing the importance of aligning hydrogen-related standards and certification systems across APEC economies to enhance interoperability and build trust. He noted strong interest in the hydrogen economy but highlighted gaps in member economies' understanding and implementation of certification frameworks. Dr. Kang underscored the value of SCSC as a neutral platform to support crossfora collaboration, capacity building, and best practice sharing to facilitate the effective implementation of the Policy Guidance (PGH). Finally, he reaffirmed SCSC's readiness to collaborate with EWG and other fora toward a sustainable hydrogen economy.

6.7 Presentation by Mr. Jorge Guillermo Garcia Manrique, Counsellor, Advisor to the APEC and Specialized Forums Directorate, Ministry of



Foreign Affairs of Peru

Mr. Garcia presented the proposed workplan for the Policy Guidance (PGH), endorsed by APEC Energy Ministers in 2024. He outlined two initial priority areas: (1) standards and certification, including mapping international initiatives and analyzing existing frameworks to support interoperability and harmonization; and (2) value chain development, focusing on incentives, industrial policy, financing instruments, de-risking measures, and case studies from strategic sectors such as transport, industry, power generation, fertilizers, and mining. Mr. Garcia emphasized the importance of cross-fora and international collaboration, noting the relevance of ongoing activities under SCSC, PPSTI, the APEC Automotive Dialogue, and the Transportation Working Group, as well as engagement with IRENA, IPHE, IEA, OECD, and ISO. He also highlighted related initiatives in 2025, including the APEC project workshop in Chile (EWG 105 2024A), a planned EWG-SCSC joint workshop in August, and APERC's upcoming publication and related policy network project. Peru sought endorsement of the implementation plan by both EGNRET and EGCFE members to enable its formal submission to the EWG in August, and expressed appreciation for members' continued support and collaboration.

Following Peru's presentation, Russia expressed general support for the workplan and suggested expanding the list of collaborating organizations to include the Gas Exporting Countries Forum (GECF), the Global Gas Centre, and the International Business Congress, in accordance with APEC's non-member participation guidelines. APERC thanked Peru for including the Policy Network project in the workplan, but noted that the concept note had not yet been submitted and recommended deferring its inclusion to 2026. Thailand reiterated its earlier feedback on the need to address the adaptation of existing infrastructure and the promotion of public awareness and acceptance in the prioritized content of the workplan. Peru acknowledged the inputs from Russia, APERC, and Thailand, and confirmed its openness to revising the implementation plan accordingly. Dr. Liao, Chair of EGNRET confirmed that a



revised version would be circulated to members for further review.

6.8 Discussion on Next Step

The collaborative actions were discussed by the attending economies, APEC fora, and research centers as listed below.

(1) Dr. Tarcy Jhou, senior researcher of APERC, introduced the outline of "APEC Clean and Low Carbon Hydrogen (CLCH) Policy Network Project", aimed at supporting the implementation of the Policy Guidance (PGH). The project will initially focus on hydrogen demand creation and plans to host annual conventions and publish a progress report integrating member contributions, policy analyses, and previous APERC hydrogen research. The outputs will be reported to EGCFE, EGNRET, and EWG for feedback and follow-up actions. According to Dr. Jhou, Hong Kong, China has expressed its willingness to host the first convention in May 2026.

Following APERC's presentation, Hong Kong, China confirmed the plans to host the first APEC CLCH annual convention, in conjunction with the International Hydrogen Development Symposium in the middle of May 2026. Chile expressed appreciation for APERC's proposal and thanked Hong Kong, China for its offer to host the first convention. Peru strongly supported the initiative and suggested holding the convention alongside expert group meetings to enhance interaction. It also encouraged APERC to consider Latin American economies as future host venues. APERC responded that while the first event will be held separately to identify stakeholders, future integration and regional rotation are open for discussion. Viet Nam expressed full support for the proposed project, showed interest in co-sponsoring, and requested an invitation to the 2026 symposium. Viet Nam also supported Peru's suggestion to explore holding expert group meetings in conjunction with the annual convention.

(2) **Dr. Chi-Wen Liao, Chair of EGNRET**, outlined preliminary proposals from EGNRET to support the implementation of the Policy Guidance (PGH). Key



suggestions include mapping international hydrogen initiatives, sharing public resources via the EGNRET website, aligning future events of APERC's Policy Network Project with EGNRET meetings, and enhancing cross-fora collaboration with international and APEC fora.

- (3) Dr. Keng-Tung Wu, EGNRET Secretariat, on behalf of Chinese Taipei and the APEC Research Center for Advanced Bio-Hydrogen Technology (ACABT), introduced ACABT's networking and capacity-building work on bio-waste-to-hydrogen across ten APEC economies, and its core mission of advancing bio-waste-to-hydrogen technologies and fostering cross-economy collaboration under the APEC Policy Partnership on Science (PPSTI). ACABT expressed interest in supporting the implementation of the Policy Guidance (PGH) in cooperation with EGNRET and other relevant APEC fora, and further proposed to submit a new project under the EELCER sub-fund for APEC Project Session 2, based on Peru's suggestions related to clean and low-carbon hydrogen.
- (4) Dr. Kazutomo Irie, president of APERC, inquired about the previous proposal to raise the funding ceiling for EELCER sub-fund projects from USD 100,000 to USD 150,000, citing increased travel costs for international experts in large-scale events. In response, Mr. Niikura, the APEC Secretariat noted that the discussion had been paused but could resume if Japan, as the main contributor to the EELCER, and other members wish to revisit the proposal.

6.9 Closing Remarks

Dr. Chi-Wen Liao, Chair of EGNRET, expressed his sincere appreciation to all speakers and participants for their active engagement and continued support. He noted that the Joint Meeting provided a focused platform to advance hydrogen discussions and explore meaningful initiatives. He also encouraged members economies to provide any additional suggestions for inclusion in the meeting outcome.



Mr. Takehiko Saeki, Acting Chair of EGCFE, supported the approach presented by APERC and emphasized the value of sharing best practices and organizing workshops aligned with the Policy Guidance (PGH). He expressed interest in further collaboration with EGNRET and APERC to promote hydrogen and its derivatives across the APEC region.

7. The Joint Meeting of Four Expert Groups (14:00 PM-16:00 PM on April 10, 2025)

The Meeting was chaired by Mr. Glen Sweetnam, Chair of EGEDA, and Mr. Kong Mau-Shing, Marsden, Assistant Director/Electricity and Energy Efficiency, EMSD, HKC. A discussion on potential new APEC goals and areas of collaboration was held. The full content from the Joint Meeting was shared separately by the host economy, Hong Kong, China and was endorsed by the participants on July 11, 2025.

7.1 EGNRET Meeting Outcome by Ms. Yi Ting Chang, EGNRET Secretariat

Ms. Yi Ting CHANG, EGNRET Secretariat, reported the outcomes of the 62nd Meeting of the APEC Expert Group on New and Renewable Energy Technologies (EGNRET), including highlights from the Joint Meeting with the Expert Group on Clean Fossil Energy (EGCFE). A total of thirteen APEC economies participated in the meetings, along with representatives from six APEC fora and two organizations, who shared their perspectives and technical insights.

In the EGNRET 62 Meeting, members provided updates on the progress of EGNRET projects. Thailand presented the cross for project titled "Capacity Building to Accelerate Investment on Energy Resilient Infrastructure towards APEC Energy Goals"; APERC introduced the project outline of "Capacity Building Workshop on New and Renewable Energy Policy". Chinese Taipei presented one completed project, "The Legislation Recommendation and



Promotion of Multifunctional Ocean Space Usage: Combine Floating PV Installations at Offshore Wind Farms", and shared updates on an ongoing project entitled "Benchmark of Facilitated Actions to Fulfill the Energy Efficiency Benefit of AMI in the APEC Region".

Regarding administrative matters, the Secretariat revised the second draft of the EGNRET Terms of Reference (ToR) to ensure alignment with the EWG Strategic Plan. This revised version has been submitted for review by the EWG and is currently under consideration. Looking ahead, EGNRET 63 is expected to be held jointly with EGEEC in Seoul, Korea, in September or November 2025, followed by EGNRET 64 in Khon Kaen City, Thailand, in late April or early May 2026.

A dedicated discussion session was held on potential areas of collaboration related to new APEC goals and clean and low-carbon hydrogen (CLCH). Dr. Chi-Wen Liao, the EGNRET Chair, proposed several possible approaches for future collaboration, including efforts to map international hydrogen initiatives and review annex materials, as well as to share public resources through the EGNRET website, collaborate with APERC on the CLCH Network Policy Project, and enhance knowledge exchange with PPSTI, ISO, and APMP.

Further inputs were provided by participating organizations. CETERI shared China's latest renewable energy technology innovations and expressed willingness to strengthen cooperation with APEC. In addition, APSEC is working on a new research project "Hydrogen Energy Development and Applications in APEC Economies and China: Practices Under Carbon Neutrality Goals", trying to get more information on relevant technologies, policies, and best practices in China and member economies.

The subsequent EGNRET and EGCFE Joint Meeting was convened to facilitate discussions on "APEC Policy Guidance to Develop and Implement Clean and Low-Carbon Hydrogen Policy Frameworks in the Asia-Pacific". Several presentations were delivered by APEC economies and international



organizations. During the discussion on next steps, APERC presented the "APEC Clean and Low-Carbon Hydrogen (CLCH) Policy Network Project", and it was announced that the first CLCH Annual Convention will be hosted by Hong Kong, China in mid-May 2026. Dr. Chi-Wen Liao reiterated potential collaboration approaches for EGNRET and relevant APEC fora and international organizations. Chinese Taipei also proposed exploring cooperation with the APEC Research Center for Advanced Biohydrogen Technology (ACABT), a PPSTI Center, and plans to submit a related project for Project Session 2.

8. Closing Remarks by Mr. Chan Pak-Cheung, Deputy Director of Regulatory Services at EMSD, HKC

Mr. Chan expressed his gratitude for the active engagement and insightful contributions from participants. He highlighted the cross-disciplinary discussions focused on the theme "Expanding Clean Electricity through Utilizing Carbon-Free Energy Technologies."

ANNEX: List of Participants of the Joint Meeting of the 62nd EGNRET Meeting and EGCFE 2025

	Title	Given Name	Family Name	Economy/EGs/Fora	Organization
1	Mr.	Takayuki	Niikura	APEC Secretariat	APEC Secretariat
2	Dr.	Kazutomo	Irie	APERC	Asia Pacific Energy Research Centre (APERC)
3	Mr.	Daniel	Burlutsky	APERC	Asia Pacific Energy Research Centre (APERC)
4	Dr.	Manuel	Heredia	APERC	Asia Pacific Energy Research Centre (APERC)
5	Dr.	Tarcy	Jhou	APERC	Asia Pacific Energy Research Centre (APERC)
6	Mr.	Yoshiaki	Imaizumi	APERC	Asia Pacific Energy Research Centre (APERC)
7	Ms.	Siuning	Lai	APERC	Asia Pacific Energy Research Centre (APERC)
8	Ms.	Takako	Hannon	APERC	Asia Pacific Energy Research Centre (APERC)
9	Dr.	Li	Zhu	APSEC	APEC Sustainable Energy Center (APSEC)
10	Dr.	Yong	Sun	APSEC	APEC Sustainable Energy Center (APSEC)
11	Mr.	Takehiko	Saeki	EGCFE Chair	Ministry of Economy, Trade, and Industry (METI)
12	Dr.	Chi-Wen	Liao	EGNRET Chair	Industrial Technology Research Institute (ITRI)
40 D:	D۳	Dr. Keng-Tung	Tung Wu	EGNRET Secretariat /	Industrial Technology Research Institute (ITRI)
13	IJΙ.			Chinese Taipei	
14	Ms.	Yi-Ting	Chang	EGNRET Secretariat	Industrial Technology Research Institute (ITRI)



15	Dr.	Yaowateera	Achawangkul	EGNRET Vice Chair	Department of Alternative Energy Development and Efficiency (DEDE)
16	Ms.	Juan	Su	EWG Secretariat	China National Petroleum Corporation
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29	Mrs.	Yun Kyong	Park	Republic of Korea	Korea Energy Agency
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31	Mr.				Transformation (PETRA)
32	Mr.	Clifton	Uvovo	Papua New Guinea	National Energy Authority (NEA)
33	22 Mr	Jorge	Caraia Manriqua	Peru	Ministry of Foreign Affairs
33	Mr.	Guillermo	Garcia Manrique	reiu	ivillistry of Foreign Allalis
34	Ms.	Angelica	Delos Santos	The Philippines	Department of Energy
35	Mr.	Alvaine	Ibarrola	The Philippines	Department of Energy
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