

SUMMARY OF THE APEC ENERGY RESILIENCY TASK FORCE (ERTF14) MEETING

13 June 2022

Chinese Taipei (Virtual) (EWG 63)

The 14th meeting of the Energy Resiliency Task Force was held virtually on June 13, 2021, from 9:30 AM to 10:30 AM (GMT+8) via the Webex platform. The meeting was hosted by Chinese Taipei, and co-chaired by Mr. Dan Ton, United States (U.S.) Department of Energy and Assistant Director (ADir.) Lilian C. Fernandez, Philippines Department of Energy. The meeting had 25 attendees from 15 member economies and representatives from APERC and APSEC.

The Co-Chairs welcomed the APEC member economies to the 14th Meeting of the ERTF. ADir. Fernandez in her opening statement expressed her appreciation to Japan for giving the Philippines an opportunity to host one of the APEC Energy Resiliency Principle Workshops earlier this February. Further she looked forward to the hearing the members share their experiences in energy resilience response and the updates on the completed and the incoming projects.

The U.S Co-chair sought the comments of APEC member economies on the ERTF 14 Agenda and the ERTF 13 Minutes. There being none, the meeting proceeded to its approval of both documents.

APC Energy Resiliency Response since ERTF13

Reporting on developments since the last ERTF meeting for the U.S., Dr. Cary Bloyd, noted that in 2021 there were twenty (20) weather and climate disaster events with losses exceeding \$1 billion each across the U.S. due to wildfires, thunderstorms and tornadoes. The report also highlighted that on January 12, 2022, US President Biden launched a US\$ 2.3 Billion Program to strengthen and modernize America's Power Grid through the Building a Better Grid Initiative which aims for 100% clean electricity by 2035.

On the Philippines side, ADir. Fernandez reported the PH energy sector's response to Super Typhoon Odette (International name RAI). This included power restoration activities, coordination with various Philippine agencies for the timely delivery of petroleum products, price freeze for kerosene and liquefied petroleum gas (LPG), among others. Additionally, ADir. Fernandez reported the energy resiliency milestones for 2022. This included the conduct of public consultation and workshops to improve the energy resiliency policy, as well as the drafting of the National Energy Contingency Plan (NECP) and the Department Circular adopting the NECP for 7.2 Magnitude Earthquake in the Greater Metro Manila Area (GMMA). The draft Department Circular is currently for final review and approval of the Energy Secretary.

Completed APEC Energy Resiliency Projects

Presented one (1) completed project:

- USA reported the completed project "The Role of Integrated Distribution System in Maximizing the use of Distributed Energy Resources and Resiliency in the APEC Region (EWG

03 2020S).” The priority recommendations focused on (1) Policy and Regulating entities specifically the need to develop rules requiring the development of integrated distribution system planning processes that are also publicly available, transparent, and provide a balanced/fair opportunity for technology deployment/adoption, and; (2) Distribution Planning Entities or the need to establish and document integrated system planning processes and needs assessments required for grid modernization and allowing these plans to be publicly transparent and eligible for stakeholder feedback. The US also provided recommendations on implementing Integrated Distribution Planning. The full report is accessible on the APEC projects website: <https://www.apec.org/publications/2022/03/the-role-of-integrated-distribution-system-planning-in-maximizing-resiliency-in-the-apec-region>

Current Energy Resiliency Project Updates

Reported four (4) ongoing projects:

- China’s “Demonstration and Promotion of Energy Resilience tool based on Solar-Powered Emergency Shelter Solutions (SPSS 2) for Natural Disaster in APEC (EWG 13 2019A)” was delayed due to COVID-19. Further updates will be provided for the changes in schedule.
- U.S’ “APEC Workshop on Grid Resiliency Through Energy Storage (ES)” (EWG 02 2020A) was withdrawn due to COVID-19.
- The US reported that a Consultant Request for Proposal (RFP) was issued for “Lessons Learned on Resiliency and Uptake of Variable Energy Resources from Islanded Grids that support APEC Clean Energy Goals (EWG 04 2021A).” Additionally, the project overseer plans to conduct a project workshop in November 2022.
- Japan was able to virtually conduct the “Workshop on Energy Resiliency Principle” (EWG 07 2020A)” early this year and reported that the APEC Energy Resiliency Guidelines is being developed and will be circulated to APEC member economies for comments.

New/Planned Energy Resiliency Related Project Proposals

Presentations were made on two (2) new projects:

- Japan presented the APEC Energy Resiliency Enhancement Project (EWG 09 2021A) which will be conducted from June 2022 to June 2023. Its key activities include conducting research work, developing an APEC Energy Resilience Sectoral Guideline for Energy Infrastructure Companies, and holding a workshop for capacity building on energy resilience through the dissemination of the principle. The long-term work plan of the project entails the continuation of workshop once a year until 2025.
- China presented the Data Driven Carbon Neutral Disaster Resilient Cities (EWG 04 2022A) project which is currently under negotiation with travel-eligible co-sponsoring economies to identify target regions. The project aims to accelerate the development towards carbon neutrality by increasing the number of APEC cities or municipalities that have the

capacity to use multi-stakeholder dialogue (MSD) for elaborating a mid-century carbon neutrality vision and set 2030 targets / make pledges better than the Business-as-usual (BAU) Scenario.

Next Steps/Wrap Up

In closing, the ERTF Co-Chairs thanked Chinese Taipei for hosting the meeting and the members for their updates and new projects. The APEC secretariat reminded economies to submit their presentation in advance via email or by uploading through the site. Finally, the Lead shepherd encouraged the member economies to submit proposals on energy resiliency, noting that they have expanded the Energy Efficiency, Low carbon, and Energy Resiliency Measures (EELCER) sub-fund to include a focus on energy resiliency given how critical the topic is to all APEC members.

There being no other matters to discuss, the co-chairs adjourned the 14th Meeting of the Energy Resiliency Task Force.