

## **SUMMARY OF THE 16<sup>th</sup> MEETING OF THE APEC ENERGY RESILIENCY TASK FORCE (ERTF16)**

19 May 2023

Detroit, Michigan

The **16<sup>th</sup> Meeting of the Energy Resiliency Task Force (ERTF15)** was held on May 19, 2023, from 9:30 AM to 12:00 AM in Detroit, Michigan, USA. The meeting was hosted by the United States, and co-chaired by Director Michael O. Sinocruz, Department of Energy, Philippines and Mr. Dan Ton, Department of Energy, United States (U.S.). The meeting had 45 attendees from 16 member economies and representatives from the Asia Pacific Energy Research Centre (APERC) and the APEC Sustainable Energy Center (APSEC).

The Co-Chairs welcomed the APEC member economies to the ERTF16. Mr. Dan Ton, in his opening statement, stressed the need to advance energy resiliency initiatives in light of the recent disasters that hit various parts of the world. Dir. Sinocruz, on the other hand, stressed the importance and encouraged the APEC member economies to establish concrete and proactive emergency response mechanism to ensure the immediate restoration of energy services in the affected regions.

The PH Co-chair sought the comments of APEC member economies on the ERTF 16 Agenda and the ERTF 15 Minutes. There being none, the members approved both documents.

### **APC Energy Resiliency Response since ERTF15**

Reporting on developments since the last ERTF meeting for the U.S., Dr. Cary Bloyd noted, that as of May 8, 2023, there were seven (7) weather and climate disaster events with losses exceeding \$1 billion each across the U.S. due to drought, flooding, tropical cyclone, severe storms.

On the Philippines side, Dir. Sinocruz reported accomplishments on energy resiliency since ERTF15. This includes the official launching in 2023 of the National Energy Contingency Plan for a magnitude 7.2 earthquake in Metro Manila and its adjacent provinces. Dir. Sinocruz also reported on the upcoming 2ed Energy Resiliency Forum to be held in July 2023 which aimed to gather best practices, innovative solutions, trends, challenges, and strategies on energy resiliency for the realization of an energy resilient energy sector to mitigate loss and damages thereby reducing the country's power cost.

### **Host Economy Energy Resiliency**

Dr. Robert Jeffers from the US National Renewable Energy Laboratory presented a Snapshot of Select US DOE Resilience Activities. The report included the grid resiliency work on the island of Puerto Rico after hurricane Maria; a discussion of metrics for resilience planning; a discussion of overcoming regulatory and market barriers to incentivizing microgrids for resilience; the Communities Local Energy Action Program (LEAP) Pilot Competitive Technical Assistance Opportunity program; and how the Energy Transition Initiative supports resilience in vulnerable communities.

### **Completed APEC Energy Resiliency Projects**

Presentations were made on two (2) completed project:

- The US reported on “Lessons Learned on Resiliency and Uptake of Variable Energy Resources from Islanded Grids that Support APEC Clean Energy Goals (EWG 04 2021A)”. The project provided a summary of the costs and operational experiences of providing reliable electricity while utilizing maximum variable energy resources from island grids in the APEC region. In addition, a one-day virtual meeting was held to incorporate the feedback from APEC member economies into the research and the final reports. The final report is available from APEC at:  
<https://www.apec.org/publications/2023/05/lessons-learned-on-resiliency-and-uptake-of-variable-energy-resources-from-islanded-grids-that-support-apec-clean-energy-goals>
- Japan reported on the project “Workshop on Energy Resiliency Principle (EWG 07 2020A)”. The main objectives of this project are, by means of holding virtual workshops, 1) to promote dissemination of the APEC Energy Resiliency Principle (“Principle”) developed by EWG and build the capacity of people in public and private organizations related to energy sector in developing economies, and 2) to discuss, exchange, and share attendees’ experience and views on the detail and concrete measures of the draft Energy Resiliency Guidelines (“Guidelines”) in line with the situation in each economy. The summary report is available from APEC at:  
<https://www.apec.org/publications/2023/02/workshop-on-energy-resiliency-principle-project-summary-report>

### **Current Energy Resiliency Project Updates**

Reports were made on four (4) ongoing projects:

- China’s “Demonstration and Promotion of Energy Resilience tool based on Solar-Powered Emergency Shelter Solutions (SPESS 2) for Natural Disasters in APEC (EWG 02 2022S)”. The project will carry out the activities of the (EWG 13 2019A) through the conduct of a workshop and technical training to engage key APEC stakeholders to provide an opportunity for APEC economies to explore potential cooperation on the establishment of a technical guideline for solar emergency shelter in post disaster recovery, especially in susceptible economies to natural disasters.
- China’s “Data Driven Carbon Neutral Disaster Resilient Cities (EWG 04 2022A)” 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 and make pledges better than the Business-as-usual (BAU) Scenario.
- China’s “Practical Experience and Prospect of Energy Access in APEC Region (EWG 05 2022S). Through review, investigation and stakeholder consultation, barriers and drives for energy access will be analyzed. Recommendations on promoting energy access will be put forward through analysis of policies, technologies, and case study, etc. Research results will be synthesized in the project report and shared with APEC member economies.

- Japan's "APEC Energy Resiliency Enhancement Project (EWG 09 2021A)" aims to address the lack of proactive policy making and private investment on energy resilience. A contractor for the project implementation was selected in April 2023. The project is planning to hold a workshop later this year while proceeding with the research work on indicators and sectoral guidelines development. The project is expected to be completed in December 2023.

### **New/Planned Energy Resiliency Related Project Proposals**

There was no new/planned energy resiliency related project proposal tabled for discussion during the meeting.

### **Next Steps/Wrap Up**

The APEC secretariat reminded economies to submit their presentations via email or by uploading through the ACS website for reference of APEC member economies. Finally, the Lead shepherd commended the Philippines and the US for sharing their respective energy resiliency updates and further encouraged other member economies to provide updates and propose energy resiliency projects in future ERTF meetings.

In closing, the ERTF Co-Chairs thanked the United States for hosting the meeting and the member economies for their updates.

There being no other matters to discuss, the co-chairs adjourned the 16<sup>th</sup> Meeting of the Energy Resiliency Task Force.