

Progress Status

EWG 03 2020A– Integrating Electrical Vehicles and Solar Rooftop PV in Electricity Distribution Systems with Continued Performance of Distribution Transformers

Prepared for APEC EGNRET 45 Meeting

Co-sponsoring economies

✓ USA, The Philippines, Hong-Kong, China, Chinese Taipei, Chile

November 2020

DEDE in cooperation with ICA

Objectives of the project

- **Overall objective**: *“to support the sustainable modernization of electric distribution systems in the APEC region as required by the growing need to increase deployment of electric vehicles and rooftop solar PV in the target economies”*.
- **Specific objective**: *“to build the capacity of APEC economies’ utilities and policy-makers to understand and address the technical, environmental, and economic impacts on distribution transformers of connecting rooftop solar PV installations and electrical vehicles charging stations to electricity distribution systems”*.

Current progress

- **TORs preparation / revision:** Approval .
- **Invitation of Consultants:** 5 consulting firms have been approached (two research institutes in Korea, and USA, and three consultants in Thailand, Vietnam, and the Philippines)
 - Focus – Solar Rooftop PV + encouraging to consider the feasibility of assessing other renewable energy in their approach;
 - the impact assessment will be based on literature review, and encouraging to consider the possibility to also acquire “real data” in order to better fit the situation of APEC economies
 - ICA has introduced the concept to HAPUA (Heads of ASEAN Power Utilities and Authorities) during the last HAPUA meetings on 22 and 29 November 2020 and invited these utilities to cooperate with the project;

Next Activities:

- **Pre-selection of Consultant by the PO:** this pre-selection will be carried using budget, qualifications and proposed approach – expected timeline: by 13 November 2020
- **Submission to APEC:** once the consultant has been pre-selected his information will be transmitted to the APEC Secretariat for approval – expected timeline: by 20 November 2020
- **APEC approval:** by 27 November 2020
- **Preparation of formal documents for official contracting of the consultant** - expected timeline by first week of December 2020;
- **Start the study:** December 2020.

The project is on time with the proposed timeline approved by APEC.

Thank You!