

# 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 EGEE&C 56 and EGNRET 55 Joint Meeting  
12-14 May 2021

*Co-sponsoring economies*

✓USA, The Philippines, Hong-Kong, China, Chinese Taipei, Chile  
November 2020

**DEDE in cooperation with ICA**



Asia-Pacific  
Economic Cooperation



Department of Alternative  
Energy Development and Efficiency  
MINISTRY OF ENERGY

# 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”*.



# PROJECT 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

- The project has been adjusted the budget due to COVID situation, and the plan has been changed form December 2020 to be June 2021

- the International the International Institute for Energy Conservation (IIEC) as the project consultant,

- Signing contract



Thank You!