

# USA Project update

EGNRET -55  
Chinese Taipei (Virtual)  
May 12-14, 2021

# **EWG 06 2019A: APEC Workshop on University Collaboration to Support Data Gathering and Analysis in Energy Efficiency and Renewable Energy**

**Proposing APEC economy:** USA

**Co-sponsoring economies:** Thailand, Philippines, Chinese Taipei, Australia

**APEC forum:** EWG/EGEEC & EGNRET

**Expected start date:** August 2019

**End date:** December 2021

**Status:** Currently planned for August 2021

**Expected project cost(USD):** 140,000 APEC (USD): 100,000 ASF/EE

**Project Overseer:**

Kathleen Purvis-Roberts

Professor of Chemistry & Environmental Science

Claremont McKenna College

Claremont, California

# The three key objectives promote information sharing and capacity building across APEC universities

- Virtual Event: 8-9 June 2021, 8 am – noon (GMT +7)
- Project Objectives
  1. Build the capacity of workshop participants by developing a network between the EWG, APERC, and University faculty in APEC economies.
  2. Share examples of collaborative projects by Universities in APEC economies that address the APEC energy efficiency and renewable energy goals.
  3. Develop project ideas, between the policymakers and University faculty in APEC economies, as project-based courses that will help inform energy efficiency and renewable energy goals.
- Faculty from 16 Economies participating
- Accepting nominations until May 17<sup>th</sup>

# **EWG 03 2020S: The Role of Integrated Distribution System Planning in Maximizing the Use of Distributed Energy Resources and Resiliency in the APEC Region**

**Proposing APEC economy:** USA

APEC forum: EWG/ERTF & EGNRET

**Co-sponsoring economies:** Australia, Canada, Hong Kong China, Thailand, Philippines, Chinese Taipei,

**Expected start date:** August 17, 2020

**End date:** December 15, 2021

**Status:** In progress

**Self-Funded- Total project cost(USD):** 150,000

**Project Overseer:**

Cary Bloyd

Senior Advisor

Pacific Northwest National Laboratory

Richland, Washington

Electrical distribution systems have a critical linkage to energy resiliency in that 80%-90% of customer outages originate in the distribution system and are critical to implementing distributed energy resources

The report will concentrate on six themes:

- Transparent Distribution System Planning Regulation & Architecture
- Planning for Electric Vehicles & Their Potential
- Leveraging Distributed Energy Resource for Reliability & Resilience
- Increasing Situational Awareness
- Allowing for Microgrids
- Equitable Recovery Strategies

# 2021 Self-Funded: APEC Clean Energy Purchasing and Decarbonization Workshop

**Proposing APEC economy:** USA

**APEC forum:** EWG/EGNRET

**Co-sponsoring economies:** Australia, Hong Kong China, Chinese Taipei, Thailand

**Expected start date:** May 10, 2021

**End date:** December 15, 2021

**Status:** Approved May 5, 2021

**Private sector partner:** Google

**Project Overseer:**

Cary Bloyd

Senior Advisor

Pacific Northwest National Laboratory

Richland, Washington

**Objective:** Through two workshops develop a toolkit for policies governments can use to drive decarbonization of electricity systems while simultaneously expanding the electricity infrastructure in an affordable and sustainable way

# 2021 Session 1 CN: Lessons learned on resiliency and uptake of variable energy resources from islanded grids that support APEC clean energy goals

**Proposing APEC economy:** USA

**APEC forum:** EWG/ERTF & EGNRET

**Co-sponsoring economies:** Australia, Canada, Hong Kong China, Thailand, Philippines, Chinese Taipei,

**Expected start date:** August 10, 2020

**End date:** December 1, 2022

**Status:** Approved in-principal May 10, 2021

**Expected project cost(USD):** 120,000

**APEC (USD):** 100,000 ASF/EE

**Project Overseer:**

Cary Bloyd

Senior Advisor

Pacific Northwest National Laboratory

Richland, Washington

**Objective:** Provide a summary of the costs and operational experiences of providing reliable electricity while utilizing maximum variable energy resources from islanded grids in the APEC region