

USA Project update

EGNRET -57
Thailand (Virtual)
October 7-5, 2022

EWG 03 2021S: APEC Clean Energy Purchasing and Decarbonization Workshop

APEC forum: EWG/EGNRET

Co-sponsoring economies: Australia, Hong Kong, China,

Thailand, Chinese Taipei,

Start date: May 2021

End date: October 2022 (a project extension was received)

Self-Funded- Total project cost(USD): TBC

Project Overseer:

Cary Bloyd

Senior Advisor

Pacific Northwest National Laboratory

Richland, Washington

Status: Completed

Project Outputs

- Through two workshops (Aug. 6, 2021 & Sept. 1, 2021) 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
- Key recommendations from the workshops were published in the project report: **Public-Private Approached to Decarbonizing Power Systems in APEC** (#222-RE-01.12) under the themes of:
 - Driving Change Through Governmental Action and Public Policy Innovation
 - The Role of Corporates and Private Sector Leadership

USA 2021 Session 1 Project: Lessons learned on resiliency and uptake of variable energy resources from islanded grids that support APEC clean energy goals (EWG 04 2021A)

APEC forum: EWG/ERTF & EGNRET

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

Start date: January 3, 2022

End date: May 31, 2023 (a project extension has been received)

Expected project cost(USD): 120,000

APEC (USD): 100,000 ASF/EELCER

Project Overseer:

Cary Bloyd

Senior Advisor

Pacific Northwest National Laboratory

Richland, Washington

Status: Project in implementation

Project Outputs

- The project report will 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
- A secondary output will be a one-day virtual meeting held midway through the project which will enable the feedback from the participants to be incorporated into the research and then the final report

USA 2021 Session 2 Project: APEC Workshop Furthering University Collaboration to Support Data Gathering and Analysis in Energy Efficiency, Renewable Energy, and Energy Resiliency (EWG 12 2021A)

APEC forum: EWG/EGEEC & EGNRET

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

APEC forum: EWG/EGEEC & EGNRET

Start date: March 2022

End date: June 2023

Expected project cost(USD): 140,000

APEC (USD): 100,000 ASF/EELCER

Project Overseer:

Kathleen Purvis-Roberts
Professor of Chemistry &
Environmental Science
Claremont McKenna College
Claremont, California

Status: Project in implementation

Project Objectives

1. Build the capacity of workshop participants by continuing to develop collaborations between the EWG, APERC, and University faculty in APEC economies.
2. Continue discussion of data gaps and needs in Energy Efficiency, Renewable Energy, and Energy Resiliency and develop policy recommendations for the EWG in these areas
3. Share examples of collaborative projects that began at the June 2021 online workshop by policymakers and Universities in APEC economies that address APEC energy efficiency, renewable energy, and energy resiliency goals.
4. Identify other methods of analysis to be included in projects, such as economic analysis
5. Discuss potential ideas for new collaborative projects