

USA New Project Proposals

EGNRET -50
Honolulu, Hawaii
March 20-22, 2018

Project 1: APEC Workshop on Best Practices for Attracting Renewable Energy Financing and Investment

Proposing APEC economy: USA

Co-sponsoring economies: Chile, Japan, Singapore, Chinese Taipei

Expected start date: September 2018

End date: November 2018

Expected project cost(USD): 150,000

APEC (USD): 50,000

Project Overseer :

Name: Elena Thomas-Kerr/Ann Katsiak

Title: Senior Advisor, Office of Asian Affairs/ Chief of Party

Organization: US Department of Energy/U.S.-APEC Technical Assistance to Advance Regional Integration

Project Summary: This two-part project will first undertake a self-funded Regional Study on Renewable Energy Financing and Investment to identify current risks, barriers, and challenges to investing in renewable projects in the region and how best to reduce these disincentives.

Utilizing the results from this study, the project will then hold an APEC-funded workshop to facilitate the exchange of best practices for creating an enabling environment for attracting finance and investment in renewable energy projects

The project directly supports APEC Leader's clean energy goals

1. Relevance:

- APEC's energy consumption is expected to grow by over 35 percent in the next 20 years, and by 2040, 80 percent of the region's energy will come from fossil fuels if current production trends continue. For this reason, the APEC region is in need of more sustainable and cleaner energy access and a way to attract the necessary financing and investments for renewable energy projects. APEC Leaders have heeded this concern by committing to double the share of renewables by 2030 across the region to promote low carbon sustainable energy options.
- This project directly supports the EELCM Sub-Fund criteria by seeking to build capacity for attracting investment and financing of low carbon, renewable energy projects, thereby accelerating deployment of renewable energy in APEC economies.

The three key objectives promote clean energy technologies and build capacity for APEC officials

2. Objectives

- Promote clean energy technologies and renewables projects in the APEC region through a report on best practices for attracting financing and investments and developing an enabling environment for renewable energy projects
- Identify, through analysis and discussion, the current risks, barriers, and challenges faced when investing in renewable projects to best understand how to reduce these disincentives in investing
- Build capacity for APEC officials involved in renewable energy projects and provide an opportunity for entrepreneurs to learn how to design sound business models for attracting relevant financing

The project will be completed by the end of 2018

4. Methodology

- During Q2 2018, the project overseers will initiate development of the self-funded study, in coordination with the EWG
- During Q3, project overseers will develop a draft workshop agenda for comment by the EWG and begin to identify speakers. The agenda and speakers will be finalized in August/September and the workshop will be held in October 2018 (TBC)
- Input from the workshop will be incorporated into the study, which will be finalized by November for circulation and endorsement by the EWG
- A secondary output will be the generation of EWG inputs and ideas for the related regional study on renewable energy financing and investment

Project 2: Implementing the APEC Electric Vehicles Roadmap Outcomes Workplan

APEC forum: Automotive Dialogue (AD)

Proposing APEC economy: USA

Co-sponsoring economies: Japan, Philippines, Thailand, Malaysia

Expected start date: August 1, 2018 End date: September 30, 2018

Expected project cost(USD): 100,000 APEC (USD): 60,000

Project Overseer :

Name: Todd Peterson/Ann Katsiak

Title: International Trade Specialist/ Chief of Party

Organization: US Department of Commerce/U.S.-APEC Technical Assistance to Advance Regional Integration

Project summary

- Electric Vehicles (EVs) are an important component to the Asia-Pacific's transition to low-emission economies and reduced energy dependence.
- In 2015, APEC endorsed the APEC Roadmap for Electric Vehicles, which aimed to facilitate the adoption and implementation of international standards pertaining to electric vehicles.
- The EV Roadmap was held as a series of workshops in 2016 and 2017. The workshops covered the background on EV operations in the APEC region and discussed standards relevant to their use in the APEC region.
- This workshop will continue working to address issues identified under the Roadmap including emergency response, recycling, interoperability, cybersecurity, personal data, and 2- and 3-wheeled vehicle related standards, but also look at EVs, connected vehicles, and future road mobility with a focus on addressing pertinent issues such as grid lock reduction to help lower emissions and reduce energy usage by 45% by 2035 in the APEC region.

This project is beneficial to all economies and it eases the introduction of new clean transportation which reduces costs and pollution

1. Relevance:

- The purpose of the project is to pursue technical coordination to support harmonized standards and regulatory approaches in the region for both electric vehicles and their parts, including interoperability between vehicles and their infrastructure with a view to avoiding and reducing regulatory divergences and adoption of unique standards or regulations that promote autonomy and connectivity.

The project supports standards harmonization

2. Objectives

- The main objective of this activity is to pursue technical coordination to support harmonized standards and regulatory approaches in the region for both electric vehicles and future mobility technologies, including interoperability between vehicles and their charging infrastructure, with a view to avoiding and reducing regulatory and standards divergence.
- This includes addressing related issues such as autonomy and connectivity in context.

The project will be completed by the end of September 2018

4. Methodology

- May 2018- Develop initial agenda, reach out to speakers
- June 2018- Finalize agenda at June Auto Dialogue and send out invitation for workshop
- June-July- finalize speakers and agenda
- August- implement workshop on margins Auto Dialogue

Project 3: Low Emissions Development

Strategies: Supporting the transition to energy efficient, electric transport systems

APEC forum: EWG-EGNRET/TPTWG

Proposing APEC economy: USA

Co-sponsoring economies: ??

**Expected start date: December 2018 End date:
December 2019**

Expected project cost(USD): 154,610 APEC (USD): 100,000

Project Overseer :

Name: Sanjini Nanayakkara

***Organization: US DOE National Renewable Energy
Laboratory***

Project summary

- The infrastructure required for electric public vehicle deployment in APEC island communities can be a model system exemplifying the use of local renewable energy sources and an optimized local economy.
- This project proposes an *integrated* transport and energy approach to generate a roadmap for APEC economies addressing barriers and solutions for public transport systems transition to electric vehicles (EVs).
- The project will facilitate dialogue between ministerial/local authorities and international/regional technical experts and ways to accelerate deployment by establishing a Community of Practice (CoP) for knowledge sharing, long-term growth and regional collaboration. Deliverables will be based on bilateral conversions with APEC economy champions.
- A workshop will be held to enhance capacity building and deliver an *EV-Integrated Energy Solutions Roadmap* with identified pathways for future finance, policy and technical advances.
- This project complements related work of the Automotive Dialogue and EWG 10 2017A.

This project is beneficial to all economies and it eases the introduction of new clean transportation which reduces costs and pollution

1. Relevance:

- Domestic renewable resources, particularly in APEC's island communities remain underused despite their enormous resource potential and proven affordability, reliability and sustainability. This project will aim to address the region's need to transition to a sustainable energy system by adopting a comprehensive solution that integrates both the transport and energy sectors.
- APEC's island communities can be a model system that showcases the use of local renewable energy resources, collaboration across ministerial/local governments and optimization of the local economy to adopt the technology/infrastructure required for electric public transport vehicles deployment.

The project supports APEC's global clean energy and energy efficiency goals

2. Objectives

- To build capacity and increase knowledge of at least 4 APEC member economies with relation to the barriers and solutions to expanding EV deployment, whilst simultaneously improving the economic and social well-being of members through electricity and transport system integration.
- To transform energy system landscapes within the region through *EV-Integrated Energy Solutions Roadmaps* that include best practice case studies and identify pathways for future finance, policy and technical needs.
- To provide a long-term platform for continued dialogue, knowledge sharing and learning within the APEC economies by establishing the professional network of an APEC Community of Practice (CoP), and promote regional economic integration complementing the efforts outlined in the Automotive Dialogue Work Plan 2015.

The project will be completed by December 2019

4. Methodology

1. Approximately **Months 1-3**

- Public announcement of the initiative/membership call
- Bilateral conversations with APEC economies and proposed participating island communities
- In-depth consultations at EWG and TPTWG meetings

2. Approximately **Months 3-5**

- Select champion economies for delivering analytical “Member Profiles”, which is the foundation for the integrated solutions roadmap

3. Approximately **Months 6-8**

- Development of workshop agenda
- Identify, invite, discuss with experts
- Hold workshop

4. Approximately **Months 9-12**

- Development of roadmap, based on input from member profiles and workshop discussions

EGNRET members are invited to join the Low Emission Development Global Partnership (LEDS GP)

- The Low Emission Development Global Partnership (LEDS GP) is pleased to invite participation in regional communities of practice that are convening officials and experts across countries on various climate and development topics (see list below). These communities are enabling knowledge exchange, peer learning, and technical collaboration across national and subnational governments, technical institutes, private sector, academia, NGOs, and international programs working on these topics.
- The LEDS GP Communities of Practices are interactive networks of practitioners working together on real-time policy, technical, and market solutions related to low emission development. These CoPs are a dynamic environment for ongoing collaboration to allow for deeper and sustained engagement and access to tools and expert assistance. They provide an environment for sharing and learning and they are an opportunity to foster champions that will serve as role models to other countries in their regions and worldwide.

Three current partnership are have APEC linkages

- Clean Transport Community of Practice in Asia
- Electric Mobility Community of Practice in Latin American and the Caribbean (LAC)
- Grid Renewable Energy Community of Practice in Asia

Join at: http://ledsgp.org/?loclang=en_gb



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Low Emission Development Strategies Global Partnership

Advancing climate resilient, low emission development around the world

About LEDSGP



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LEDS LAC webinar series: Cities taking action on climate change

The LEDSGP regional platform for Latin America and the Caribbean (LEDS LAC) is hosting a series of webinars to explore the experience of cities' action on climate change in the region, with the support of local cooperation initiatives. [\[more...\]](#)

posted: 11am, February 21, 2018

Regional platforms

Africa

Asia

Europe and Eurasia

Latin America and the Caribbean



LEDS leadership examples by country