

USA New Project Proposals

EGNRET -44
Laoag, The Philippines
April 13-16, 2015

Development of the market for fuel ethanol as part of APEC's renewable fuel strategy

Proposing APEC economy: USA

Co-sponsoring economies: China, Korea, New Zealand, Chinese Taipei

Expected start date: November 2014

End date: May 2015

Expected project cost(USD): \$120,000

Self-funded

Project Overseer :

Name: Laura Scandurra

Title: Deputy Director, Global Policy Analysis Division

Organization: US Department of Agriculture

Project Summary: The project is proposed to study the viability of developing the market for fuel ethanol as part of the APEC aspirational goal to double the share of renewables by APEC economies by 2030.

Assessments of five APEC economies will be conducted between November 2014 and January 2016 to understand the constraints and opportunities to establishing a viable ethanol trade in these economies that would support this goal.

Development of the market for fuel ethanol as part of APEC's renewable fuel strategy

1. Relevance:

- APEC economies accounts for around 60 percent of world energy demand. APEC economies are net energy imports and this demand is rising. Recognizing the importance of reducing their reliance on imported energy while supporting the UN “Sustainable Energy for All” initiative, at the APEC meeting in Beijing on September 2, 2014, the APEC Energy Ministers endorsed a new APEC-wide goal of doubling the share of renewables in the APEC energy mix from 2010 levels by 2030.
- Including fuel grade ethanol as one part of APEC's renewable energy strategy will be a vital step toward achieving APEC's goal of increasing the use of renewable fuels among APEC economies.

Development of the market for fuel ethanol as part of APEC's renewable fuel strategy

2. Objectives:

- Key objective is to provide an evaluation on the role that ethanol can provide in helping APEC economies achieve their aspirational goal of doubling their use of renewable fuels by 2030.
- Secondary objective will be to establish a framework for developing a sustainable ethanol trade among APEC economies. The framework will identify and provide training to APEC economies on: 1. Market opportunities for ethanol use; 2. Addressing existing constraints to ethanol market development by reviewing policy constraints, promoting solutions to infrastructure limitations and enhancing consumer appreciation of renewable fuels and the economic and environmental benefits they provide to their economy.

Development of the market for fuel ethanol as part of APEC's renewable fuel strategy

4. Methodology

- January 2015: Assessment of ethanol market potential in at least six APEC economies. Review of ethanol policies, infrastructure and viability of establishing ethanol trade among APEC economies.
- February 2015: Market Assessment report completed and strategic plan developed

Establishment of ethanol as part of APEC's renewable fuel strategy

Proposing APEC economy: USA

Co-sponsoring economies:

Expected start date: March 2015

Expected end date: December 2015

Expected project cost(USD): Total \$110,000

APEC \$50,000 APEC Support Fund

Project Overseer :

Name: Laura Scandurra

Title: Deputy Director, Global Policy Analysis Division

Organization: US Department of Agriculture

Establishment of ethanol as part of APEC's renewable fuel strategy

The Project is proposed to study the viability of establishing market for ethanol as part of the APEC aspirational goal to double the share of renewables by APEC economies by 2030.

- As a follow up to a self-funded project, a communication strategy will be implemented to provide:
 - Communication tools on ethanol and its role as a renewable fuel.
 - Policy and infrastructure changes that are needed to establish a viable ethanol trade among APEC economies.
 - Model economies which have successfully adopted policies and infrastructure which support the use of ethanol as a renewable fuel.

Establishment of ethanol as part of APEC's renewable fuel strategy

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Establishment of ethanol as part of APEC's renewable fuel strategy

4. Methodology (1)

- April 2015:
- Development of a Communication Strategy for Policy Makers, Industry and Consumers on the benefits of ethanol are a part of the renewable energy strategy of APEC

Establishment of ethanol as part of APEC's renewable fuel strategy

4. Methodology (2)

- Seminar: June 2015:
- A seminar of APEC representatives will be conducted to present the results of the market assessment of the ethanol opportunity in APEC economies. Specific recommendations for establishing a vibrant ethanol trade in the region will be present including government regulatory recommendations, infrastructure requirements, consumer and environmental communications. In addition, case study of APEC economies who have viable ethanol utilization policies will be presented to demonstrate the viability of ethanol as part of APEC renewable fuel strategic plan.

Establishment of ethanol as part of APEC's renewable fuel strategy

4. Methodology (3)

Workshops: August-December 2015:

- A series of workshops will be conducted addressing specific steps that APEC economies need to address in order to make ethanol a viable renewable fuel source.
 1. Regulatory Environment (economy specific and APEC regional);
 2. Infrastructure requirements;
 3. Consumer education;
 4. Market Access

Workshop on experiences and plans to double renewable energy utilization by 2030 in the APEC region

Proposing APEC economy: USA

Co-sponsoring economies: Chinese Taipei, Thailand, Philippines

Expected start date: May 1, 2015

End date: December 31, 2016

Expected project cost(USD): Total: \$120,000 APEC: \$80,0000

APEC Support Fund: Fund D- Energy Efficiency

Project Overseer :

Name: Anil Pahwa

Title: Senior Science Advisor

Organization: U.S. Department of State

Project Summary: This project will support a workshop on the margins of an EWG meeting that will bring together leading researchers and government representatives from APEC economies to share experiences on renewable energy sources and technologies. The workshop will target best practices and next steps in assisting APEC economies prepare a roadmap for increasing the share of renewable energy in power generation as well in end-use technologies.



Workshop on experiences and plans to double renewable energy utilization by 2030 in the APEC region

1. Relevance:

- There is worldwide interest in increasing the share of renewable energy in energy consumption for enhancing sustainability, as evidenced both by the United Nations' Sustainable Energy for All (SE4ALL) initiative and the APEC Leaders' 2014 commitment to double renewable energy in APEC's energy mix by 2030 (over 2010 levels).



Workshop on experiences and plans to double renewable energy utilization by 2030 in the APEC region

2. Objectives:

The project will support a workshop to be held along-side an APEC Energy Working Group (EWG) meeting that would bring together leading researchers and government representatives from APEC member economies. The workshop will:

- 1) create a framework for cooperation and build a network of leading researchers and government officials on renewable energy development,
- 2) help build capacity in renewable energy development by sharing best practices and lessons learned, and
- 3) help workshop participants define next steps for developing a roadmap for individual economies to contribute to the shared goal of doubling the share of renewable energy in energy consumption.

Workshop on experiences and plans to double renewable energy utilization by 2030 in the APEC region

4. Methodology

- 1. (***Two months*** after project approval) Develop a list of organizations and personnel associated with renewable energy technologies in APEC economies.
- 2. (***Four months*** after project approval). Plan and organize the workshop.
- 3. (***Six months*** after project approval) Conduct *the Workshop*. The workshop will be conducted over a 2 day period with the following schedule of activities:
 - Day 1: Presentation by invited speakers
 - Day 2: Develop APEC framework for best practices to accelerate growth of renewable energy
- (***Twelve months*** after project approval) Follow up the workshop. Relevant papers and overheads will be compiled and published as a Workshop Proceedings and framework on the way forward will be developed.