



Project Updates CHINESE TAIPEI

APEC EGNRET 60

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■ On-going Projects

EWG 13 2021A: The Legislation Recommendation and Promotion of Multifunctional Ocean Space Usage: Combine Floating PV Installations at Offshore Wind Farms

■ New Concept Notes (CN)

Session 1, 2024: Benchmark of Facilitated Actions to Fulfill the Energy Efficiency Benefit of AMI in the APEC Region



On-going Projects

EWG 13 2021A

**The Legislation Recommendation and Promotion of
Multifunctional Ocean Space Usage:
Combine Floating PV Installations at Offshore Wind Farms**

Co-sponsoring economies:

Australia; Japan; Thailand; USA

Objectives

- To build the capacity of participants through workshops which supports the “multi-functional usage in ocean space”.
- To produces legislation recommendation for further developing energy security in line with the objectives of the APEC Leaders Meeting in Kuala Lumpur in 2020.
- To collaborate for affordable energy facility and energy security enhancement through the application of various technologies on sustainable economic growth.

Recent Event

APEC Workshop on Promotion of Multifunctional Ocean Space Usage for Renewable Energies Combination in APEC Regions

20 - 21 February 2024 Taichung, Chinese Taipei

Gender	Number	Ratio
Male	33	58%
Female	24	42%
Total	57	100%

Speaker	Number	Ratio
Male	5	50%
Female	5	50%
Total	10	100%



Economies		Attendee
1	Australia	1
2	Chilie	1
3	Indonesia	8
4	Malaysia	3
5	Peru	2
6	Philippines	3
7	Chinese Taipei	14
8	Thailand	7
9	United States	1
10	Viet Nam	3
11	Non-APEC	14
Total		57

Recent Event

APEC Workshop on Promotion of Multifunctional Ocean Space Usage for Renewable Energies Combination in APEC Regions



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Recent Event

APEC Workshop on Promotion of Multifunctional Ocean Space Usage for Renewable Energies Combination in APEC Regions

Site Visit



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Preliminary Findings

- This study shows the legal nature of the permits given to the user on the assigned offshore wind farm ocean space is an exclusive right, equal to the “Right in Rem of Real Property”.
- The offshore wind farm user shall apply for different permits to use the ocean spaces from authorized assigned agencies when combining different renewable energy facilities in the ocean area.
- The permit application shall be given after the offshore space user completes the environmental impact assessment review.
- The exclusive right on the ocean space permits will cause legal conflict with the current fishing permits.

New Concept Notes (CN)

Session 1, 2024

Benchmark of Facilitated Actions to Fulfill the Energy Efficiency Benefit of AMI in the APEC Region

Co-sponsoring economies:

Chile, Philippines, USA, Viet Nam

Status:

Eligibility Assessment and Scoring of CNs



Project Introduction

Literature suggested that only metering hardware replacement won't promise the benefits such as behavior change, power conservation, and energy efficiency we expected from AMI (advanced metering infrastructure).

- This project seeks to survey AMI's facilitated actions and functions to help policymakers for APEC members refine the policy content and supporting measurements for AMI implementation to fulfil the benefit of the AMI.
- The benefit could be monetary to both users and the utility and enhance renewable penetration and energy efficiency in the energy sector.
- Facilitated actions could include education about the new meter when installed, the time-of-use scheme, the genre of information, access to helpful information and suggestions, etc.

Objectives

1. Offer a facilitated list of actions for economies implementing AMI, particularly in the early stages, to maximize the benefits of AMI adoption in the APEC region.
2. Emphasize the improvement of behavior feedback, such as modifying the volume or timing of energy consumption, to reduce energy intensity or enhance energy efficiency across APEC economies.
3. Conduct a real-case survey on early adopters of AMI within the APEC region, supplemented by a comprehensive review of relevant literature for follower members.

Project Output

- This project will conduct a survey on the actions and functions that help AMI infrastructure to be utilized.
- A workshop will be hosted to share the experience and actions with the APEC members, focusing on the policymakers, utility or power companies.
- Project Outputs will include
 - 1) a project workshop,
 - 2) a Research Report, and
 - 3) a Project Completion Report.

Thank you very much for your attention.

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