



APEC Workshop on Public – Private Partnership for Solar Energy Development

Ha Noi, Viet Nam

1-2 August 2019

EWG12 – 2018A



OUTLINE

- 1) Introduction
- 2) Background
- 3) Workshop Sessions
- 4) Recommendations

INTRODUCTION

- Host: Viet Nam
- Co-sponsoring: Canada; Chile; Hong Kong – China; Japan and United States.

❖ **Project Objectives:**

i) Enhancing understanding on the use of PPP to develop solar energy (PPP is a new form of solar energy development that are not popular. Participants, therefore, are expected to better understand about PPP, especially key success factors such as policy coordination, handling of land constraints, green incentives etc.);

ii) Providing the opportunities for solar energy experts from APEC member economies, solar energy producers and investors (business sector) to share information and best/ good practices on using PPP to remove the obstacles and facilitate the development of solar energy; and

iii) Exploring potential cooperation opportunities among APEC member economies in developing solar energy (Experts from economies may work together in future events/ projects; Companies find new customers. This happened in previous energy projects in Viet Nam).

BACKGROUND

■ APEC Economic Leaders' Declaration in 2011 and 2014:

In 2011, the APEC Leader clearly states to promote green growth: ***"We are committed to advancing our shared green growth objectives. We can and must address both the region's economic and environmental challenges by speeding the transition toward a global low-carbon economy in a way that enhances energy security and creates new sources of economic growth and employment."***

The APEC Leaders, once again, are committed to strengthening APEC Energy Security, clearly state in the 2014 Declaration: ***"Promote technology development and deployment of a low-emission energy supply including carbon capture, storage and use, and renewable energy sources such as bioenergy from sustainable biomass sources."***

WORKSHOP SESSIONS

- Section 1: Overview on Solar Energy Development in APEC and Worldwide
- Section 2: The Necessity of Public-Private Partnership for Solar Energy Development
- Section 3: Public-Private Partnership for Solar Energy Development – Perspectives from the Private Sector
- Section 4: Government's Strategies and Policies on Public-Private Partnership for Solar Energy Development
- Section 5: Case Studies of Public-Private Partnership for Solar Energy Development in APEC Member Economies
- Section 6: At the end of the day, participants were working together to shared what they learned from the Workshop and discuss the way forward for this project.

RECOMMENDATIONS

1. Take-away from the Workshop

- Understanding of PPP concept, mechanisms and its uses;
- Different experiences of other economies regarding PPP;
- How quickly solar energy is developing;
- Battery storage;
- Potential of battery and behind-the-meter solar PV.

RECOMMENDATIONS

2.1. Actionable policies (at APEC and economy level)

- A stable and transparent environment for business;
- Rationalize policies;
- Bring information to public; more case studies (technologies, FIT..);
- More efficient bidding and workshops to attract investors;
- Stable purchase electricity prices;
- Long-term contracts;
- A system approach and consider what make the most for your economy;
- A regional program to make in-economy decisions;
- Be flexible in PPP and technologies applied.

RECOMMENDATIONS (cont)

2.2. Further activities or initiatives that APEC should have to develop solar energy

- Cooperate among different agencies;
- Energy storage;
- Make this as an agenda item at Ministerial/ Senior official level;
- Make sustainable cities to develop solar energy;
- Share best practices among economies;
- Create PPP template/ toolkit for economies to formulate their own mechanism;
- Share experiences among Governments on how to regulate FIT;
- Enhance awareness of households on benefits of solar energy especially rooftop;
- Impacts of batteries on environment;
- Political act;
- Transmission lines;
- Salient provisions of particular PPP agreements;
- PPP for ancillary services.



THANK YOU FOR KIND ATTENTION!