

# APEC Expert Group on New and Renewable Energy Technologies

## Welcome to EGNRET 46



Asia-Pacific  
Economic Cooperation  
**EGNRET**



# EGNRET Updates

April 13, 2016

Dr. Chung Hsien Chen



Asia-Pacific  
Economic Cooperation

**EGNRET**



# Review of EGNRET 45



## EGNRET 45: Nov. 16-17, 2015 in Xiamen, China

*Meeting Theme: Policy Strategy and Priority of New and Renewable Development in APEC Region*

- **6 Invited presentations:**

- APERC: [APEC RE Doubling Goal \(Preview of High Renewables Scenario\)](#)
- APSEC: [Report on APEC Sustainable Energy Center \(APSEC\)](#)
- EGEE&C: [UPDATE of APEC EGEE&C](#)
- EGEDA: [Progress Report of EGEDA](#)
- ICA:
  - [Sustainable Energy Programs](#)
  - [Asia Solar PV Initiative](#)



# EGNRET 45 Summary and Discussion



- Representatives from 6 economies and 6 organizations in EGNRET 45.
- Topics discussed in EGNRET 45 meeting:
  - **Projecting RE Doubling Goal by 2030**
    - Work plan of APEC and IRENA by USA(EWG)
    - Definition of New and Renewable Energy by Chinese Taipei

Meeting presentations are available on the EGNRET website:  
<http://www.egnret.ewg.apec.org/meetings/egnret45/index.html>





# Group photo of EGNRET 45 in Xiamen, China





# APEC Workshop on Best Practice in Development New and Renewable Energy in Xiamen, China





# Past Activities of EGNRET Meetings

Luzon News

Saturday, April 18, 2015

## Luzon grid powered up - solon

By CHARISSA M. LUCI  
and FREDDIE G. LAZARO

The House Committee on Energy is not anticipating brownouts until the end of April as the Luzon grid has an average of 1,500 megawatts (MW) power reserves, which can be tapped in the middle of the dry season.

"We are happy to announce that from March 15 up to the present (during the period of Malampaya shutdown), we have not experienced any brownouts," said Oriental Mindoro Rep. Reynaldo Umali, who chairs the committee.

"We are not yet talking of Interruptible Load Program which is close to 1,000 MW. We have not spent a single centavo to address the impending power crisis," he added as he spoke at a forum earlier this week.

**BANGUI WIND FARM** — Delegates of the 44th meeting of the Expert Group on New Renewable Energy Technology (EGNRET) of the Asia-Pacific Economic Cooperation (APEC), chaired by Dr. Chung-Hsueh Chen (seventh from right) of Chinese Taipei and co-chaired by Director Mario Marasigan (ninth from right) of the Philippines, pose before the line-up turbines of the 52-megawatt capacity Bangui Wind Farm in Ilocos Norte last Thursday. (Freddie G. Lazaro)



**Renewable energy outlook**  
Meanwhile in Ilocos Norte, energy experts were urged to share successful

on New Renewable Energy Technology (EGNRET), said it is important for member economies to share their RE

gave an outlook in doubling RE targets in the next 15 years.  
Chrisnawan Anditya of APERC said



## APEC-EGNRET 44<sup>th</sup> MEETING

Fort Ilocandia Resort Hotel  
Laoag City, Ilocos Norte, Philippines  
April 13-16, 2015



EGNRET 42



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# APEC Activities Since EGNRET 45



<b>19-20 Nov 2015</b>	<b>Capacity Building on Strategies and Implementation of Low-Carbon Town in APEC Economies</b>	<b>Haikou, China</b>
<b>16 - 20 Dec 2015</b>	<b>50<sup>th</sup> Energy Working Group Meeting</b>	<b>Honolulu, USA</b>
<b>15 Dec 2015</b>	<b>LCMT Meeting</b>	<b>Honolulu, USA</b>
<b>17 Dec 2015</b>	<b>Energy Resilience Taskforce Meeting</b>	<b>Honolulu, USA</b>
<b>18-19 Jan 2016</b>	<b>APEC workshop on Promoting Renewable Power Generation with Fuel Cell Technologies</b>	<b>Beijing, China</b>





# EWG 50 Summary



## EWG 50 in Hawaii, USA

- **The EWG Secretariat, rolled out a new internal project proposal process.**
  - Concept notes will be submitted first through the expert groups, and then reviewed by EWG membership and scored at EWG meetings.
  - Projects should be aligned with the Ministers' and Leaders' goals and priorities and the EWG Strategic Plan.
- **EGNRET operation progress was noted in the EWG 50**
  - EGNRET plans to develop a roadmap in collaboration with other APEC subgroups
  - The discussion from EGNRET 45 includes (1) Work Plan of APEC and IRENA (2) Definition of New and Renewable Energy.
  - It is suggested to integrate the EGNRET projects, and the integrated data could be used as the reference for future cooperation.
  - APERC stated that it could provide data. There was also a discussion of how to track progress.



## CEBU DECLARATION in Cebu, The Philippines

### Theme: "Towards an Energy Resilient APEC Community."

- We affirm the importance of energy resiliency in promoting energy security and sustainable development and providing access to the people, especially under natural and man-made disasters.
- We affirm the importance of promoting energy trade and investment frameworks to regional energy security and to sustainable economic growth.
- We encourage members to improve the robustness of their energy infrastructure and policy, through capacity building, sharing of information, and promoting best-practices as appropriate. We also encourage to promote energy supply diversity and energy efficiency and to reduce barriers to energy trade and investment in advancing resilience of the energy sector.

## CEBU DECLARATION in Cebu, The Philippines

- We commend the significant progress of the APEC Low-Carbon Model Town Project where the concept and the indicators for APEC Low-Carbon Town are being developed.
- We recognize the progress made by APEC Sustainable Energy Center (APSEC) in completing its institution building. We encourage APEC economies to support the work of this new institution.
- We will strive to attain APEC's aspirational goal of doubling the share of renewables in the APEC energy mix, including in power generation, from 2010 levels by 2030.



# Energy Working Group Strategic Plan From 2014 to 2018



## Develop Cleaner Energy Sources:

- EWG supports the UN Secretary General's SE4ALL initiative by endeavoring to double the share of renewables from 2010 levels in the APEC energy mix, including in power generation, by 2030 and increasing the number and type of renewable energy projects.
- Conduct renewable energy resource assessments to facilitate a thorough understanding of renewable energy resource availability in APEC Member Economies.
- Engage in clean energy technology assessment and related activities to demonstrate the cost-effectiveness of clean energy applications.
- Facilitate improved reliability and stability in the provision of clean energy supply to meet demand.



# EWG Proposed Work Plan for 2015



- The EWG plans to accelerate efforts on renewable energy to help meet the new aspirational goal endorsed by the Leaders' in 2014 to double the share of renewable energy in APEC's energy mix by 2030.
- The EWG is developing projects and activities to promote innovation, reduce costs and improve sustainability of renewable energy to support this goal for the APEC region as a whole.
- Specific activities may include capacity building for equipment installers and auditors, helping policymakers set renewable targets and reach their goals, improving data gathering such as resource mapping, conducting a Peer Review on Low Carbon Energy Policies (PRLCE), and other areas to share lessons learned and develop best practices.
- The EWG will seek collaboration with international partners such as the International Renewable Energy Agency (IRENA) and ASEAN to implement a set of new projects.



# Current Program Director for EWG



**Ms. Penelope Howarth,  
Program Director, APEC Secretariat**

**E-mail: [ph15@aphec.org](mailto:ph15@aphec.org)**

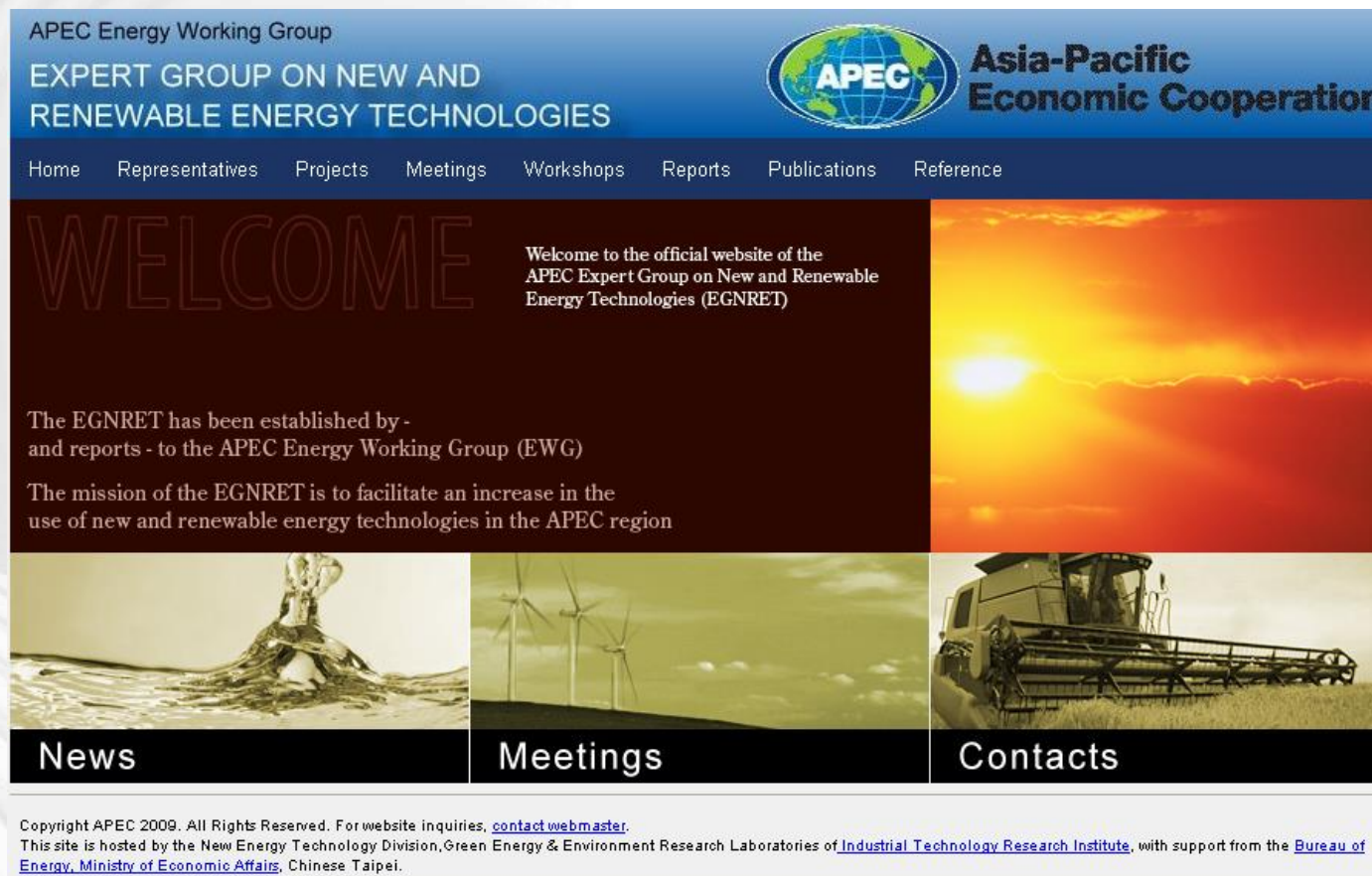
**Effective 1 April 2015**





# Thank you for your attention!

**EGNRET website:** <http://www.egnret.ewg.apec.org/>



The screenshot shows the official website of the APEC Expert Group on New and Renewable Energy Technologies (EGNRET). The header features the APEC logo and the text 'APEC Energy Working Group' and 'EXPERT GROUP ON NEW AND RENEWABLE ENERGY TECHNOLOGIES'. A navigation bar includes links for Home, Representatives, Projects, Meetings, Workshops, Reports, Publications, and Reference. The main content area has a large 'WELCOME' text, followed by a welcome message and the mission statement. Below this are three image-based sections: 'News' (water splash), 'Meetings' (wind turbines), and 'Contacts' (harvester). The footer contains copyright information and a list of supporting organizations.

APEC Energy Working Group  
EXPERT GROUP ON NEW AND RENEWABLE ENERGY TECHNOLOGIES

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**WELCOME**

Welcome to the official website of the  
APEC Expert Group on New and Renewable  
Energy Technologies (EGNRET)

The EGNRET has been established by -  
and reports - to the APEC Energy Working Group (EWG)

The mission of the EGNRET is to facilitate an increase in the  
use of new and renewable energy technologies in the APEC region

**News** **Meetings** **Contacts**

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This site is hosted by the New Energy Technology Division, Green Energy & Environment Research Laboratories of [Industrial Technology Research Institute](#), with support from the [Bureau of Energy, Ministry of Economic Affairs](#), Chinese Taipei.

# EGNRET website:

<http://www.egnret.ewg.apec.org/>



APEC Energy Working Group

EXPERT GROUP ON NEW AND  
RENEWABLE ENERGY TECHNOLOGIES



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## Meetings

Date	Meeting Number	Meeting Location	Documents
Nov. 12-13, 2014	EGNRET 43	Chiang Mai, Thailand	<a href="#">View documents</a>
April 7-8, 2014	EGNRET 42	Hawaii, USA	<a href="#">View documents</a>
October 14-19, 2013	EGNRET 41	Beijing, China	<a href="#">View documents</a>
April 2-5, 2013	EGNRET 40	Ha Noi, Viet Nam	<a href="#">View documents</a>
December 11-14, 2012	EGNRET 39	Shanghai, China	<a href="#">View documents</a>
June 18- 20, 2012	EGNRET 38	Wellington, New Zealand	<a href="#">View documents</a>
August 22-26, 2011	EGNRET 37	Taipei, Chinese Taipei	<a href="#">View documents</a>
February 28-March 4, 2011	EGNRET 36	Washington, DC, United States	<a href="#">View documents</a>
October 13-15, 2010	EGNRET 35	Tokyo, Japan	<a href="#">View documents</a>
April 26-28, 2010	EGNRET 34	Kuala Lumpur, Malaysia	<a href="#">View documents</a>
October 5-6, 2009	EGNRET 33	Taipei, Chinese Taipei	<a href="#">View documents</a>
April 01-03, 2009	EGNRET 32	Honolulu, Hawaii, USA	<a href="#">View documents</a>
October 14-15, 2008	EGNRET 31	Mexico City, Mexico	<a href="#">View documents</a>
July 14-15, 2008	EGNRET 30	Taipei, Chinese Taipei	<a href="#">View documents</a>
October 22-23, 2007	EGNRET 29	Bangkok, Thailand	<a href="#">View documents</a>
January 29-30, 2007	EGNRET 28	Tokyo, Japan	<a href="#">View documents</a>
October 9-11, 2006	EGNRET 27	Zhuhai, China	<a href="#">View documents</a>
April 3-5, 2006	EGNRET 26	Auckland, New Zealand	<a href="#">View documents</a>
October 31 - November 2, 2005	EGNRET 25	Taipei, Chinese Taipei	<a href="#">View documents</a>
May 17-19, 2005	EGNRET 24	Honolulu, Hawaii	<a href="#">View documents</a>



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