

APEC Expert Group on New and Renewable Energy Technologies

Welcome to EGNRET 46



Asia-Pacific
Economic Cooperation
EGNRET

EGNRET 46

Taichung, Chinese Taipei 13-14 April, 2016



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Progress/Status of Current EGNRET Projects

April 12 2016

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EGNRET Secretariat



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EGNRET Project Update (2013-2015)



Status	Projects	Note
Completed	16	15 projects from 2013 1 project from 2014 (self-funded)
On-going	11	4 projects from 2014; 7 projects from 2015 S1
Concept Note approved from Session 2, 2015	6	Notified on Aug. 29
Concept Note sent for Session 1, 2016	9	

EGNRET 2016 S1 proposing projects



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No.	Project Title	Proposing Economy(ies)
1	Research on Energy Storage Technologies to Build Sustainable Energy Systems in the APEC Region	China
2	Study on the cost-effective renewable energy-supply solutions based on innovative solar technologies to promote green buildings in APEC region	China
3	Off Grid Electrification Option for Remote Regions in APEC Economies	China
4	The Legal Practices on the Privacy Right Protection under Development of Smart Meters in the APEC Region	Chinese Taipei
5	Develop Concentrating Solar Power (CSP) Technology to Promote Renewable Energy Resilience in APEC Region	China
6	Guidelines toward high biodiesel blend diesel (e.g. B20) specification in the APEC region	Thailand
7	APEC Network on Demonstration of Innovative Two-stage Bio-gaseous Production and Bioelectricity Generator from POME	Chinese Taipei
8	Strategic Plan to Implement APEC Cooperation Initiative for Jointly Establishing the Asia-Pacific Urbanization Partnership	China
9	Case Studies on District Energy Application for Low Carbon Town Projects in APEC regions	China



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EGNRET 2015 S2 6 Accepted CNs (on-going projects)



Project Number	Project Title	Proposed Economy
EWG 21 2015A	Long term reliability study of PV systems for installation on islands	Chinese Taipei
EWG 23 2015A	Best Practices for Developing the Green Energy Smart Farm in the APEC Region	Chinese Taipei
EWG 25 2015A	Strategy for Large-Scale Implementation of Biogas Capture from Palm Oil Mill Effluent and Reuse for Renewable Electricity Generation	USA
EWG 20 2015A	APEC Public – Private Dialogue on Promoting Trade and Investment in Renewable and Clean Energy	Viet Nam
EWG 24 2015A	Case Studies on the Best Practices of Wind Energy Development in APEC Region	Viet Nam
EWG 22 2015A	Developing Solar-Powered Emergency Shelter Solutions (SPESS) as an Energy-Resilience Tool for Natural Disaster Relief in APEC Community	China

2015 S1 7 Funded Projects (on-going projects)



EWG 13 2015A	Promoting Renewable Power Generation with Fuel Cell Technologies	China
EWG 18 2015A	A Comparative Study on Multi-Field Applications of Building-Mounted Photovoltaic (BMPV) in the APEC Region	China
EWG 17 2015A	Renewable Energy Safety in APEC	Thailand
EWG 14 2015A	Small and Medium PV System Database in the APEC Region	Thailand
EWG 16 2015A	APEC Workshop on Promoting the Development of Biomass Energy	Viet Nam
EWG 15 2015A	APEC Workshop on Promoting the Development of Wind Energy, Phase 2 – Public Private Partnership for Wind Energy Development	Viet Nam
EWG 12 2015A	Ethanol Trade Development as Part of APEC's Renewable Fuel Strategy	USA

Promoting Renewable Power Generation with Fuel Cell Technologies



The 2016 APEC Fuel Cell Forum was held on January 18-19 in Beijing

- (i) Review of fuel cell technology development and industry layout;
- (ii) Transportation fuel cell technology;
- (iii) Stationary fuel cell power generation technology;
- (iv) Hydrogen and its infrastructure construction.



2014 Projects



On-Going

APEC Peer Review on Low-Carbon Energy Policies (PRLCE), Phase 3	Japan	EWG 01 2014A
APEC Public-Private Dialogue on Addressing Impediments in Financing Renewable Energy	Viet Nam	EWG 02 2014A
APEC Photovoltaic System Best Practices and Latest Development Comparative Study (PV-BPLD)	China	EWG 03 2014A
Realization of APEC Low Carbon Model Town through Smart Grid Development (LCMT-SGD)	Thailand	EWG 07 2014A

Completed

2014 APEC Workshop on Biodiesel Application Experiences	Chinese Taipei	EWG 01 2014S
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Thank you for your attention!



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

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



Asia-Pacific Economic Cooperation

Home Representatives Projects Meetings Workshops Reports Publications Reference

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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2013 Projects (Completed)



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APEC Low Carbon Town Plan and Design Contest	China	EWG 01 2013S
APEC Low Carbon Model Town Capacity Building Development	China	EWG 05 2013A
Promote APEC Low Carbon Town Development with District Energy System	China	EWG 07 2013A
APEC Photovoltaic Application Roadmap and Model Study (PVARM)	China	EWG 11 2013A
APEC Low-Carbon Model Town Development Model and Tool Kit Study (LCMT-DMTK)	China	EWG 13 2013A
APEC Photovoltaic Communication and Cooperation Platform (PVCCP)	China	EWG 16 2013A
Study of APEC Low Carbon Model Town Development Index System	China	EWG 21 2013A
District Energy Systems Development Roadmap Study in APEC Economies	China	EWG 24 2013A
APEC Low-Carbon Model Town Heating System Application Model and Best Practices	China	EWG 25 2013A
APEC Low-Carbon Model Town Energy Management System Development and Application Research	China	EWG 20 2013A

2013 Projects (Completed)

Reported in EGNRET 43

Workshops with EGNRET 43



APEC Low Carbon Model Town (LCMT) Promotion through Eco-Point Program (LCMT-EPP)

Thailand

EWG 10
2013A

APEC Smart DC Community Power Opportunity Assessment

Thailand

EWG 06
2013A

Capacity building for installers and system designers for solar PV rooftop installations

USA

EWG 22
2013A

APEC Workshop on Promoting the Development of Wind Energy

Viet Nam

EWG 14
2013A

APEC Conference on Facilitating the Solar Supply Chain

Viet Nam

EWG 23
2013A

EGNRET Project Workshops in 2015



15 Apr 2015	Final Dissemination Workshop: Capacity Building for Installers and System Designers for Solar PV Rooftop Installations (EWG 22/2013A)	Laoag, Philippines
5 - 6 Aug 2015	APEC Public - Private Dialogue on Addressing Impediments in Financing Renewable Energy (EWG 02/2014A)	Ho Chi Minh, Viet Nam
24 - 25 Sep 2015	APEC Workshop on Promoting the Development of Wind Energy, Phase 2 – Public-Private Partnership for Wind Energy Development (EWG 15/2015A)	Hanoi, Viet Nam
25 - 26 Sep 2015	EWG 16/2013A - Workshop on APEC Photovoltaic Communication and Cooperation Platform (PVCCP)	Beijing, China
25 - 26 Sep 2015	EWG 03/2014A - APEC Photovoltaic System Best Practices and Latest Development Comparative Study (PV-BPLD)	Beijing, China
10 - 11 Nov 2015	EWG 05/2015A Workshop on Experiences and Plans to Double Renewable Energy Utilization by 2030	Daegu, Korea

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EGNRET On-going Project Status



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Project Number/Name	Economy	Status	Key Output/Scheduled Events
ENGRET - EWG 05 2015A Workshop on Experiences and Plans to Double Renewable Energy Utilisation by 2030 in the APEC Region	USA	Implementation	1 Workshop in Project Proposal Workshop: Sched 3/15, Held 3/15 1 APEC Publication
EGNRET - EWG 11 2015A APEC Low Carbon Model Town Solar Photovoltaic Agricultural Development Mode Study	China	Not Started	1 Workshop in Project Proposal Workshop: Sched 1/16, Held 1 APEC Publication
EGNRET - EWG 13 2015A Power Generation with Groundbreaking Biomass Fuel Cell Technology	China	Contracting	1 Workshop in Project Proposal Workshop: Sched 3/15, Held 1 APEC Publication
EGNRET - EWG 14 2015A Small and Medium PV System Database in the APEC Region	Thailand	Not Started	2 Workshop in Project Proposal Workshop 1 : Sched 3/15, Held Workshop 2: Sched 1 APEC Publication



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EGNRET On-going Project Status



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Project Number/Name	Economy	Status	Key Output/Scheduled Events
EGNRET - EWG 15 2015A APEC Workshop on Promoting the Development of Wind Energy, Phase 2 - Public-Private Partnership for Wind Energy Development	Vietnam	Implementation	2 Workshop in Project Proposal Workshop 1 : Sched 3/15, Held 3/15 Workshop 2: Sched 1/16, Held 1 APEC Publication
EGNRET - EWG 16 2015A APEC Workshop on Promoting the Development of Biomass Energy	Vietnam	Not Started	2 Workshop in Project Proposal Workshop 1 : Sched 3/15, Held Workshop 2: Sched 1/16, Held 1 APEC Publication
EGNRET - EWG 17 2015A Promoting Safety in Using Renewable Energy	Thailand	Not Started	4 Workshop in Project Proposal Workshop1 : Sched 3/15, Held Workshop 2: Sched 1/16, Held Workshop 3: Sched 2/16, Held Workshop 4: Sched 3/16, Held Workshp 5: Sched 4 1/17, Held 1 APEC Publication
EGNRET - EWG 18 2015A A Comparative Study on Multi-Field Applications of Building-Mounted PV (BMPV) in the APEC Region	China	Not started	1 Workshop in Project Proposal Workshop: Sched 1/16, Held 1 APEC Publication



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