



The 51th Meeting of APEC Energy Working Group (EWG)
Canberra, Australia, 12-13 May, 2016

9.c. Peer Review on Low-Carbon Energy Policies (PRLCE)

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**Asia-Pacific
Economic Cooperation**

9.c. (1) Objective of PRLCE

- To assist **volunteer** APEC economy to promote low-emission power sources such as renewable energy, nuclear and fossil fuel with CCS by providing **recommendations** from APEC peer review experts.
- APERC is planning to further carry out analyses on **best practices** for efficient and effective policies to promote **low carbon power supplies** in APEC economies, and how such best practice policies can be applied, considering different conditions in different economies.

9.c. (2) Progress of PRLCE

- **Phase 1 (2012-2013): Thailand, the Philippines**
 - **Phase 2 (2013-2014): Indonesia, Malaysia**
 - **Phase 3 (2014-2016): Viet Nam (on going)**
- **The Peer Review was held in Ha Noi, Viet Nam on 18-22 January 2016 (postponed from July 2015).**



9.c. (3) PRLCE – Viet Nam

- **Seven experts** (nominated from **Australia; Japan; Korea; New Zealand; the Philippines; Chinese Taipei and Thailand**) and **APERC secretariat** participated in the peer review.
- **8 focus areas** and **overarching issues**
- **10 discussion sessions** during the peer-review week
- **1-day site visit** to Hoa Binh hydropower (1920 MW)
- **39 Vietnamese participants** from **10 organisations**, including **government ministries and agencies** (**DOST-MOIT, GDE-MOIT, ERAV-MOIT, Government Office, MOT, MOF, MONRE, MOST**), **energy research institutions** (**IE, Center for Renewable Energy**), **energy company** (**EVN**)
- **Preliminary findings** were reported and discussed at **EGNRET46 meeting** in Taichung, Chinese Taipei in April 2016.

9.c. (3) PRLCE – Viet Nam (cont'd)

	Peer-review contents	Leading review expert	Number of Recommendations
1	Institutional Context	-Dr. Kazutomo Irie (APERC)	4
2	Low Carbon Energy Goals, Targets and Strategy	-Ms. Elizabeth Yeaman (NZ)	7
3	Regulation and Infrastructure	-Dr. Iain MacGill (AUS)	6+3
4	Bioenergy		
	Biofuels	-Dr. Karnnalin Theerarattananon (THA)	6
	Biomass	-Dr. Steven Hou-Peng Wan (CTP)	7
5	Wind energy	-Dr. Seokwoo Kim (ROK)	5
6	Solar PV, Small-Hydro, Geothermal energy	-Mr. Mario C. Marasigan (PHL)	4+2+2
7	Power Supply System		
	Feed-in-Tariff, Smart Grid	-Dr. Iain MacGill (AUS)	4+3
	Private participation	-Ms. Elizabeth Yeaman (NZ)	1
8	Greenhouse Gas Management	-Dr. Naoki Matsuo (JPN)	3
9	Overarching issues	-Ms. Fang-Chia Lee (APERC)	6
	Total		63

9.c. (4) Future Plan of PRLCE

- **1st Draft PRLCE phase 3 Report, along with findings, achievements and 63 recommendations is under review by the Vietnamese Government**
- **Final Draft PRLCE phase 3 Report will be circulated to EWG members for discussion and endorsement by June 2016.**
- **The importance of PRLCE is increasing in relation to the APEC's aspirational goal of doubling the share of renewables in the APEC energy mix.**
- **APERC welcomes all eligible economies to volunteer themselves to host future PRLCE. If interested, please contact: master@aperc.iecej.or.jp.**