



The 44th Meeting of APEC Energy Working Group (EWG)
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***12.c. Peer Review on Low Carbon
Energy Supply (PRLCE)***

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12.c. PRLCE Phase 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.**



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- **Thailand** hosted the first PRLCE in **21~25 May 2012** with the focus on “Alternative Energy Development Plan (2008 – 2022) on Solar, Wind , Biomass and Biogas (ADEP)”.
- The review team expert has provided **45 policy recommendations**, to name a few:
 - ✓ The development of bioenergy standards the promotion and development of domestic bioenergy industries,
 - ✓ Technical capabilities both in government, academia and industry to handle challenges with the target of 1200MW wind capacity.



12.c. PRLCE Phase 1

- The review team expert also has provided ***policy recommendations*** on (cont.):
 - ✓ Accreditation system and a sufficient number of professional engineers and skilled workers to set up and monitor PV systems. - Stricter monitoring of hydro power plants', including small hydro plants' compliance with environmental regulation.
 - ✓ Evaluation of tariff system (FiT) on a periodic basis.
 - ✓ The involvement in APEC related activities on smart grid.



12.c. PRLCE Phase 1

- The review team expert also has provided ***policy recommendations*** on (cont.):
 - ✓ Consistencies among policies, especially with regards to encouraging clean development mechanism projects, which will assist the green house gas mitigation target set out in the 2010 Power Development Plan.
- **The Philippines** is expected to host the second PRLCE in **19~23 November 2012** with the focus on Feed-in Tariff (FIT) system for renewable energy.



12.c. PRLCE Phase 1

Work Plan on PRLCE Phase2:

- **Phase 2 PRLCE is planned to assist two additional economies in developing policies to promote low-carbon energy supply.**
- **APERC is waiting that PRLCE Phase 2 will be finally approved for the fund from APEC Support Fund in APEC BMC Session 3.**
- **Economies are currently invited to volunteer to host PRLCE Phase 2.**
 - **Expecting candidates: Malaysia, Viet Nam, Indonesia or Mexico**