



Overview of The APEC Peer Review On Low Carbon Energy Policies project (PRLCE)

For preliminary planning for PRLCE phase 3 (Viet Nam 2015)

October 2014

The background of the slide features a collage of images including a train, a globe, a modern building, a grid pattern, and a traffic jam, all overlaid with a semi-transparent blue layer. The word "Outline" is centered in white text on this blue layer.

Outline

- Background of PRLCE
- Contents of PRLCE
- Processes and Stakeholder roles
- Example of PRLCE: Malaysia
- Future of PRLCE

APEREC Cooperative Activities

- Activities to **cooperate with APEC** member economies to improving their energy situation.
- **Peer reviews:** experts, visit a host economy to review its energy situation and policies, and make recommendations for the host economy.
- **Workshops:** experts work with host economy to share information necessary for policy planning.

Background: PRLCE Declaration

APEC Energy Ministers' 2010 Fukui Declaration:

“We commend the Peer Review on Energy Efficiency (PREE) which has been successfully carried out for four APEC economies and urge additional economies to participate”.

“We instruct the EWG to explore mechanisms to encourage economies to set individual goals and action plans for introducing low-emission power sources - renewable, nuclear and fossil fuels with carbon capture and storage (CCS) - to make our energy supply cleaner. We will create low-carbon communities in the region”.

Background: Objectives of PRLCE

Assist volunteer APEC member economies

- Provide a *broad review* of Low Carbon Energy (LCE) policies and measures to assist with formulating more effective LCE policies.
- Provide *recommendations* on how implementation of action plans could be improved to achieve LCE goals.
- PRLCE considers a whole range of Low Carbon Energy policies and *measures best suited for the economy* under review.

Review Contents in PRLCE Report

- ① Institutional Context
- ② Energy Efficiency/Low-Carbon Energy Goals, Targets and Strategy
- ③ Regulation and Infrastructure
- ④ Bioenergy (including Biofuels, Biomass)
- ⑤ Wind, Solar, Geothermal Energy
- ⑥ Hydro Power Energy
- ⑦ Nuclear Energy
- ⑧ Fossil fuels with CCS
- ⑨ Power Supply System: FIT, Smart Grid, Private Participation
- ⑩ Greenhouse Gas Management

Host economy decides on the Focus/Priority areas of LCE for review and/or treated as confidential information

Stakeholders Roles

Host Economy

- Plan review process
- Prepare Documents in English for Review
- Arrange logistical needs
- Assess the preliminary and draft final reports

APERC

- Coordinate the review team formation with the host economy
- Coordinate the draft final report preparation with Host Economy
- Prepare the guidelines for PRLCE

Review Team

- Conduct the review
- Present findings and recommendations in the preliminary report
- Prepare the draft final report

EWG

- Discuss and Endorse the draft final report
- Report to APEC Senior Officials

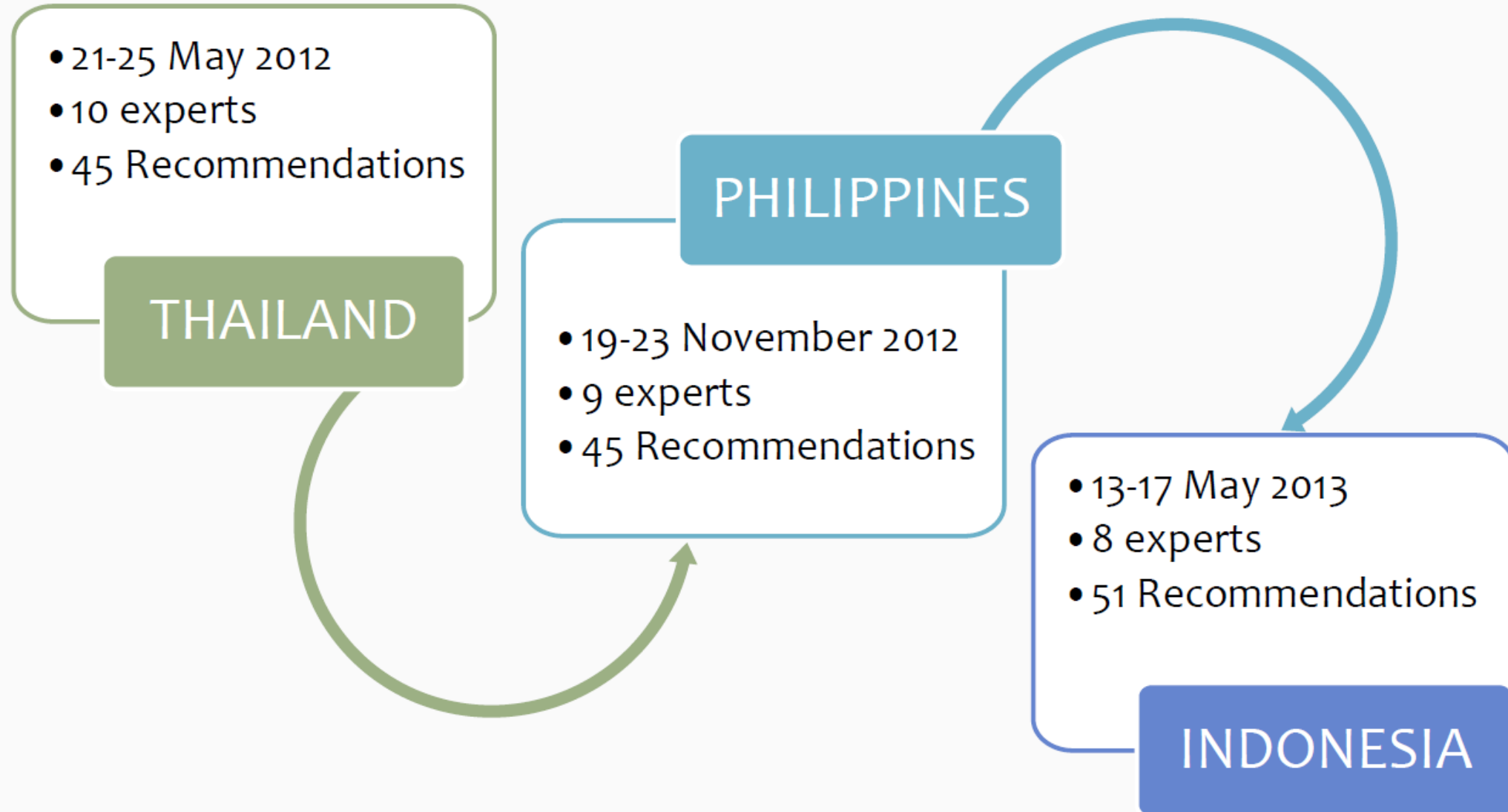
PROCESS OF PRLCE (1)

Stage	Activity	Responsibility	Time suggestion
1	Prepare and submits the PRLCE proposal to EWG secretariat for approval	APERC/Economy	
2.	EWG endorses the host economy volunteering for Peer Review and the PRLCE project proposal	EWG	
3.	APERC sends an official letter to the host economy to request the confirmation on details for implementing PRLCE	APERC	
4*.	Host economy confirms focal point, priority areas of PRLCE, date and proposed location for review visit	Economy	At least 2 months before the review visit week to the Economy
5.	Host economy prepares agenda and background information for PRLCE within a month and provides APERC with 1) information on logistics (e.g. meeting venue, recommended hotel, transportation) for the 1-week review visit, 2) visit program (tentative), 3) background information for PRLCE team	Economy	Within a month after the confirmation of focus areas of PRLCE
6.	APERC coordinates with EWG members and Expert Group Chairs for the nomination of experts from other APEC economies to build Review Team	APERC	
7*.	Confirm Review Team members and visit program in the host economy	Economy and APERC	At least 1 month before the review visit
8.	Based on the request of APERC, APEC Secretariat will contact the confirmed team members and arrange their travel undertaking	APERC and APEC Secretariat	

PROCESS OF PRLCE (2)

Stage	Activity	Responsibility	Time suggestion
9.	The background information and other necessary information (suggested responsibility sharing, format of PRLCE report) for review visit was sent to all Review Team members by APERC	APERC	
10.	Review Team members prepare for the review visit and may submit specific questions/data requirement to Vietnam through APERC	Review Team, Economy and APERC	
12.	Prepare the 1st Draft Final Report of PRLCE with preliminary findings and recommendations	Review Team and APERC	
13*.	Review and comment on the 1st Final draft report of PRLCE by the host economy	Economy	
14.	Final draft report is finalized	Review Team and APERC	Within about 3 months after the visit
15*.	Final draft report of PRLCE is signed off by the host economy	Economy	
16	Host economy and EWG Secretariat tables the final draft review report at next EWG meeting for its discussion and approval	Economy and EWG Secretariat	
17	Final report to be posted at APERC website	APERC	

Previous PRLCE Exercises



- 21-25 May 2012
- 10 experts
- 45 Recommendations

THAILAND

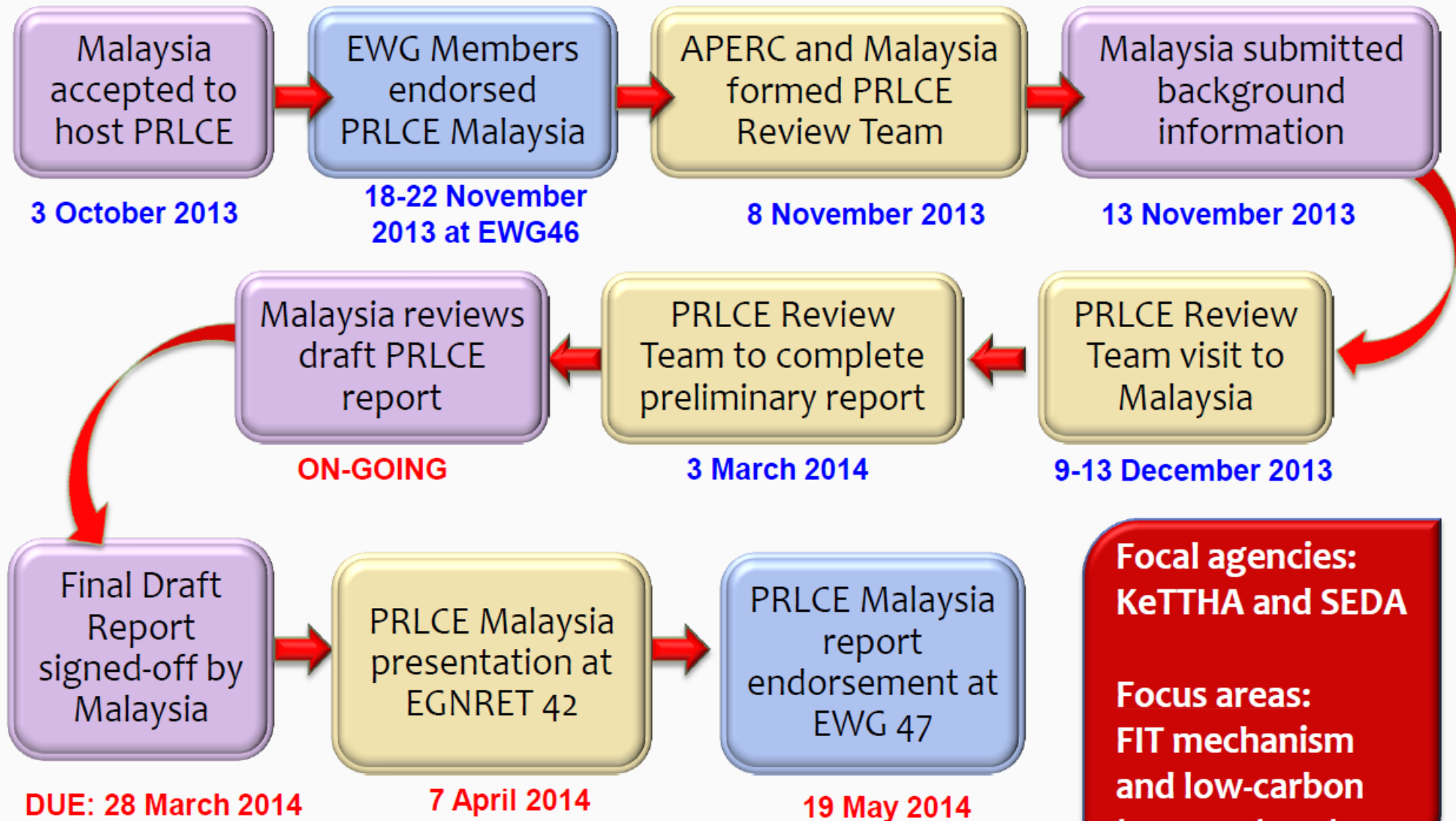
PHILIPPINES

- 19-23 November 2012
- 9 experts
- 45 Recommendations

- 13-17 May 2013
- 8 experts
- 51 Recommendations

INDONESIA

PRLCE Process for Malaysia



**Focal agencies:
KeTTHA and SEDA**

**Focus areas:
FIT mechanism
and low-carbon
transport sector**

PRLCE Malaysia Review Team

APERC



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AUSTRALIA



Mr Andrew Hirscher

CHINA



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JAPAN



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Topics covered in PRLCE Malaysia

Overarching
areas

Institutional Context

Renewable Energy Goals, Targets and Strategy

Energy Regulations

Sustainable Development

Renewable
Energy
Resources

Biomass and Biogas

Small Hydro and Solar

Low carbon sectors

Low Carbon Power Supply

Low Carbon Transport

The background of the slide features a collage of images related to infrastructure and transportation. On the left, there are views of a modern railway or transit station with tracks and overhead lines. On the right, there are images of a busy highway with multiple lanes of traffic, including cars and trucks, and a person walking on a sidewalk near a road.

PRLCE Malaysia

Summary and Conclusions

- The PRLCE Review Team made **51 recommendations**
- PRLCE recommendations are tailored towards:
 - Overcoming existing, specific challenges in the current system
 - Providing proper signals to end-users and investors to encourage uptake of low-carbon energy supplies
 - Enhancing existing strategies that have been proven to increase LCE uptake

PRLCE in the Future

- Due to financial constraints and the significant logistical effort APERC has been allowed to reduce the number of PRLCE from 2 to 1.
- The next PRLCE will be in Vietnam, in July 2015



Full Reports available from:

<http://aperc.iecej.or.jp/>

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