



# Peer Review on Low-Carbon Energy Policies

*at*

*APERC Workshop*

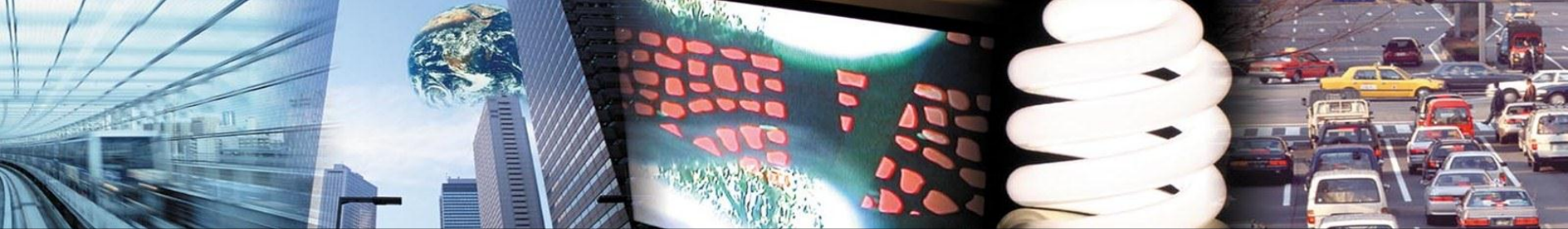
*22 November 2010, Bandar Seri Begawan, Brunei Darussalam*

*by*

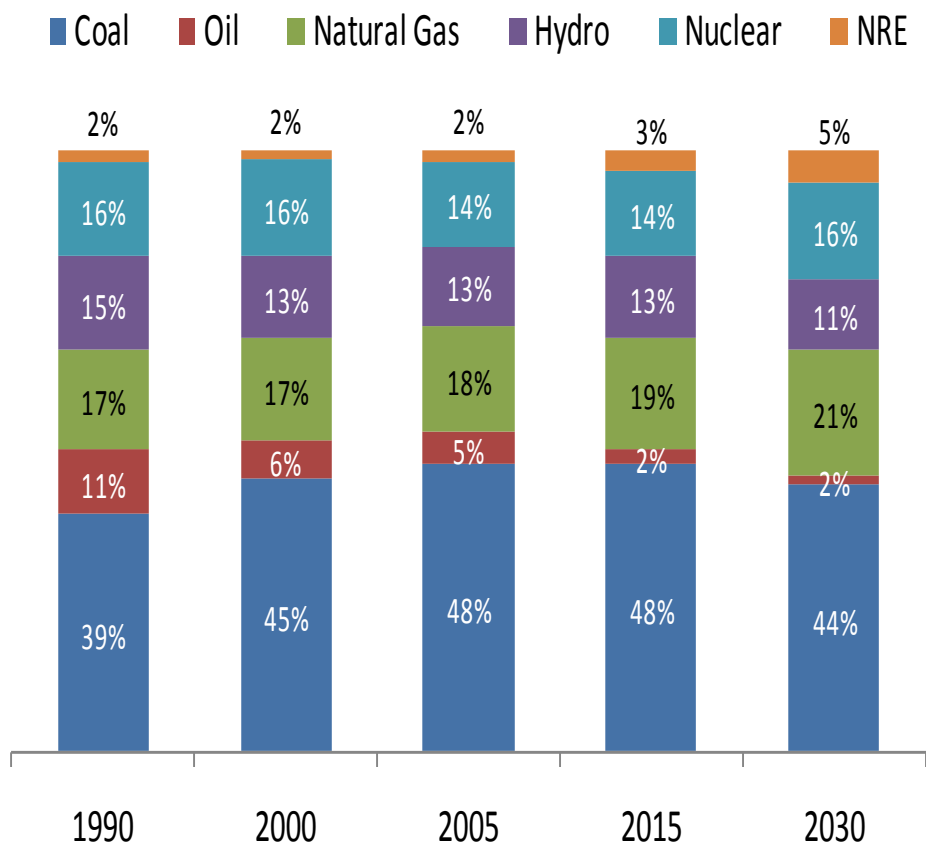
Chandran Sundaraj



Asia-Pacific  
Economic Cooperation



# Background



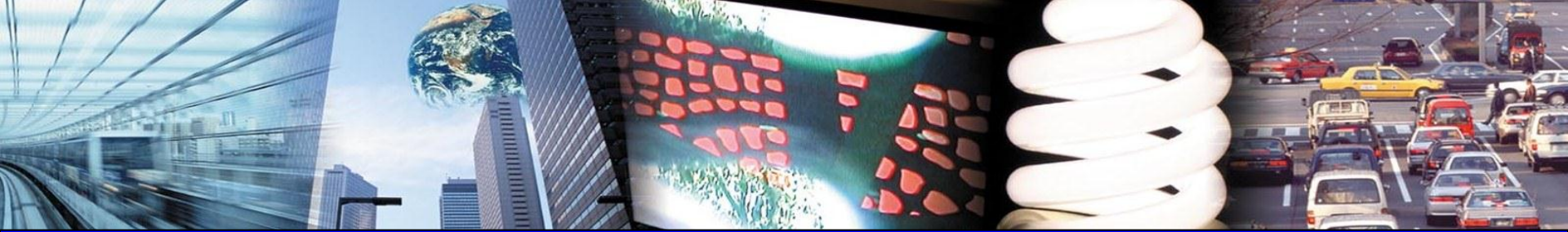
The fuel-mix of generated electricity in APEC region (source: APERC, 2009)

In 2005, fossil fuels, coal, oil & natural gas, accounted for 71% of power generation in APEC region.

- The fossil fuels' shares are projected to reach 67% by 2030 under a 'business-as-usual' scenario.

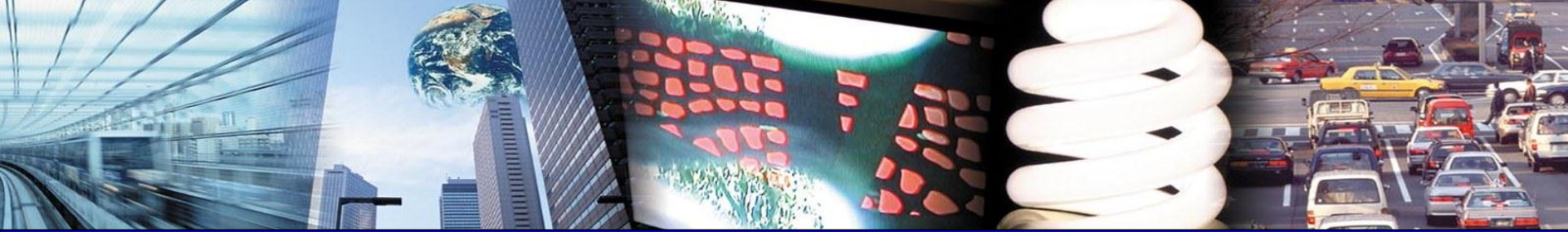
- Factors such as security of supply, cost, and availability will continue the use of the fossil fuels.

- Decarbonisation by increasing the share of low-carbon sources will lead to a sustainable energy path



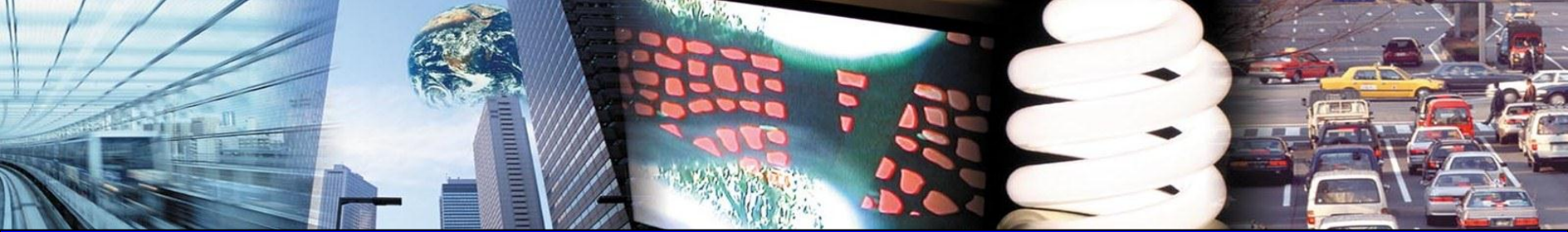
## Background

- APEC Energy Ministers at their 9th Meeting in Fukui, Japan in 2010 instructed EWG to explore mechanisms to encourage APEC economies to set individual goals and action plans for introducing low-emission power sources.
- The Ministers also wanted EWG with assistance from APERC and relevant technology expert groups to use the success of Peer Review on Energy Efficiency (PREE) as the guidance.



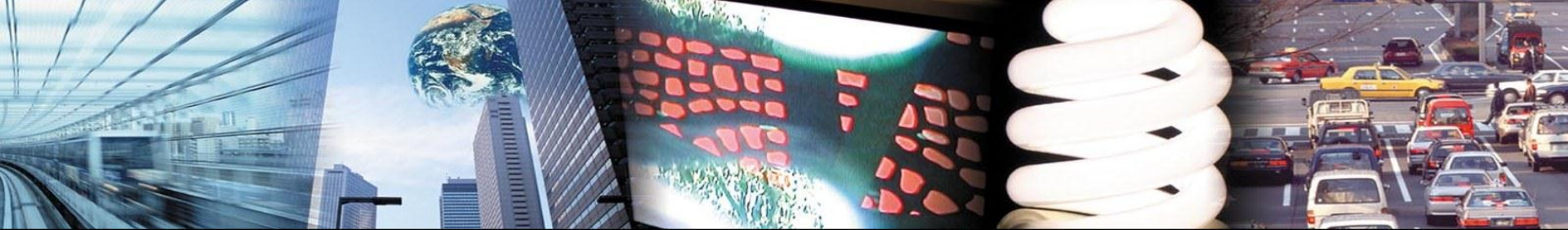
# Objectives

- ❑ Share experiences and knowledge of APEC member economies in promoting low-emission power sources by goals and action plans setting;
- ❑ Encourage APEC economies to set individual goals to promote more power supply from low-emission sources and to formulate actions to achieve the goals by recommending a set of diversified possible strategies that suits the circumstances of individual member economies; and
- ❑ Provide voluntary expert recommendations to enhance existing strategy and improve existing action plans to promote low-emission power sources.

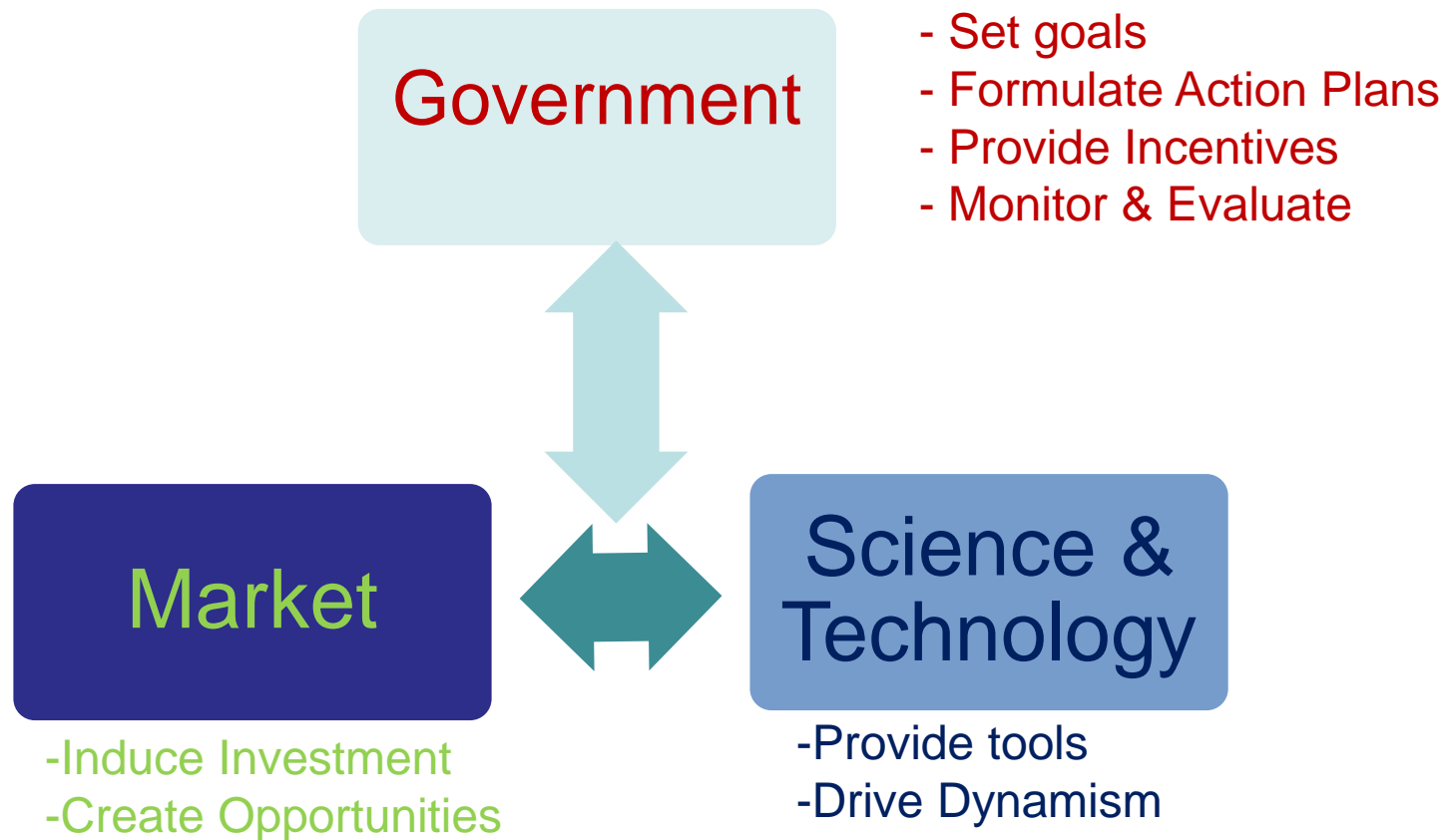


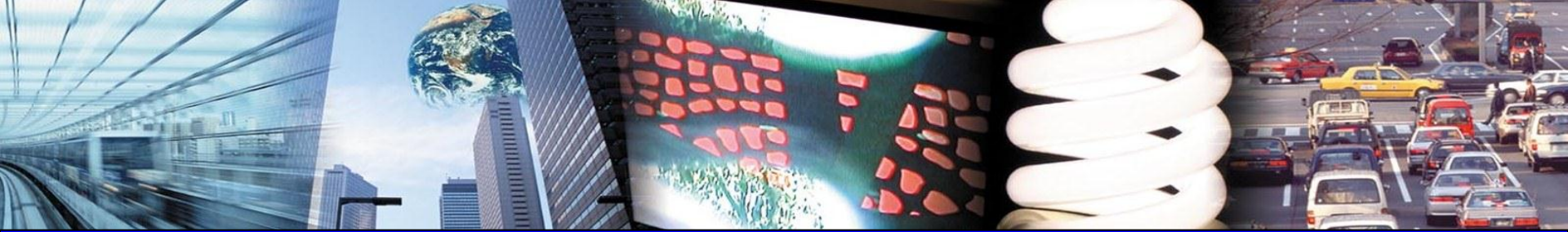
## Relevance

- The development of low-emission power sources is strongly depending upon government supports through economic and regulatory policies. As such, the importance of goals and action plans are:
  - to create a clear policy framework on low-emission power sources promotion ;
  - to define adequate and proper allocation of resources;
  - to identify the responsibilities and level of contributions; and
  - to monitor and evaluate the effectiveness and efficiency of policy tools.



# Goals and Action Plans Setting



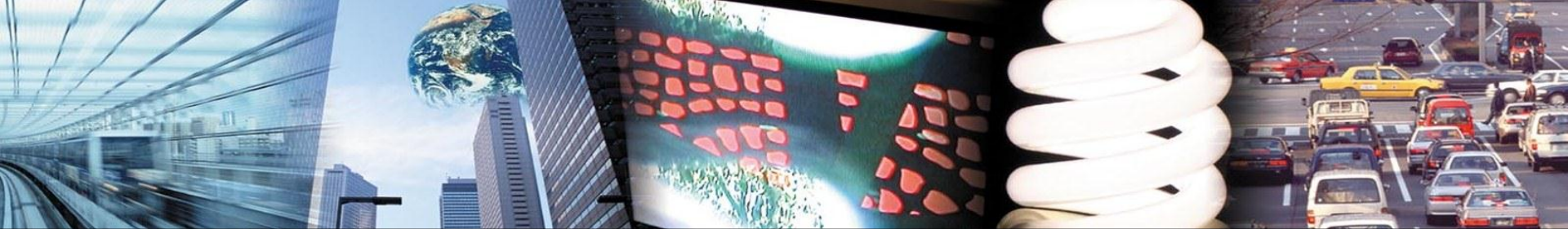


# Methodology

- ❑ The peer review mechanism is built upon the idea that APEC economies can be guided to a sustainable energy future by sharing and informing their peers' efforts to achieve a sustainable energy future.
- ❑ The review will be designed to bring as many as possible of peers' experiences and knowledge of promoting low-emission power sources by setting goals and action plans.
- ❑ The review process criteria and guidelines will be prepared by APERC with experts from member economies and endorsed by EWG.

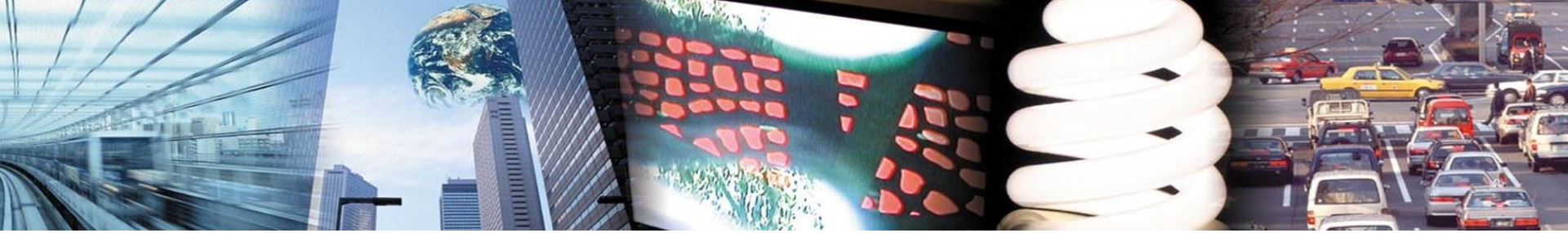






# Beneficiaries and Stakeholders

Project Participants	Roles and Responsibilities
APEC Member Economies	Beneficiaries of the project. APEC economies would cooperate with APERC to provide the relevant data and information for the project
EWG	Stakeholder of the project. EWG would review and endorse the outputs of the project
APERC	Coordinator and implementor of the project



**Thank You**