



**2015 APEC Energy Ministerial Meeting (EMM 12)
in Cebu, the Philippines**

Asia Pacific Energy Research Centre (APERC) Speech

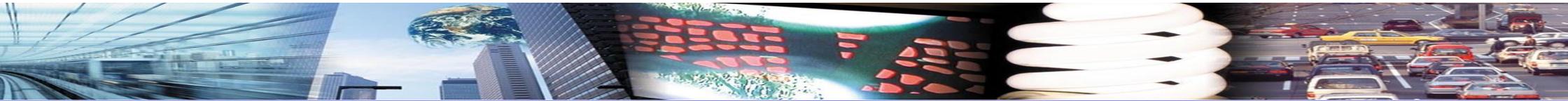
Takato OJIMI

President, Asia Pacific Energy Research Centre (APERC)

13 October 2015

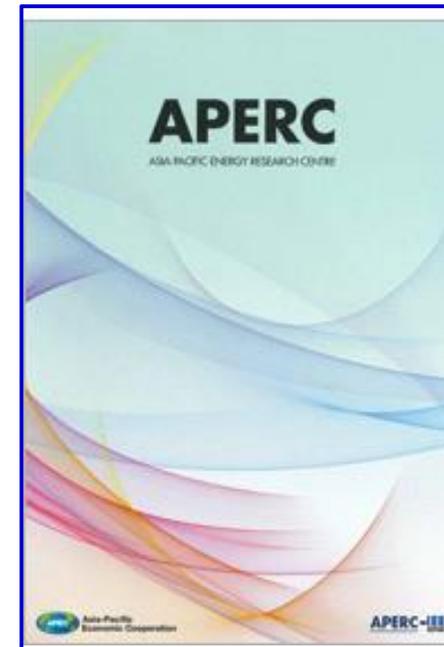


**Asia-Pacific
Economic Cooperation**



Asia Pacific Energy Research Centre (APERC)

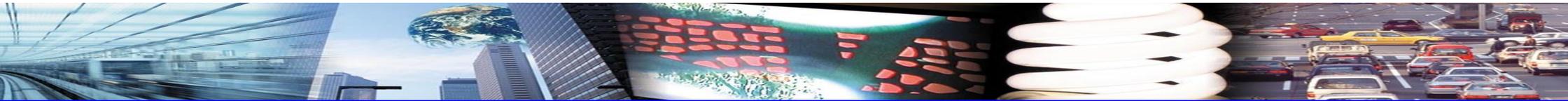
- ” Established in 1996, and will celebrate **the 20th anniversary** next year.
- ” **Funded** by the Japanese government.
- ” **17 visiting researchers** sent from APEC economies.



” **Supports** the energy related **activities of APEC** with:

- **APEC Energy Demand and Supply Outlook**
- **Policy cooperative projects** for energy efficiency and low-carbon energy policies
- **Oil and Gas Security Initiative (OGSI)**
- APEC energy **data network** (EGEDA Coordinating Agency)
- **Training** on energy statistics and modelling

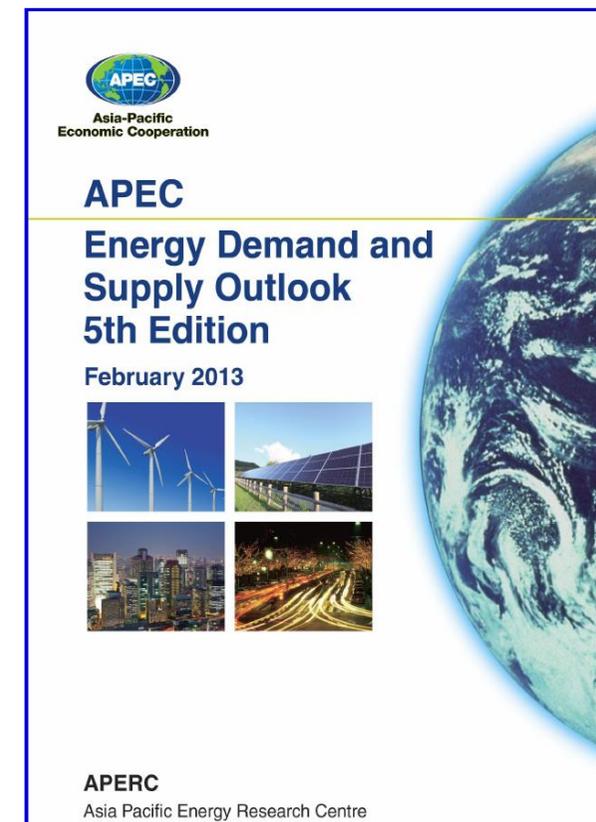




APEC Energy Demand & Supply Outlook

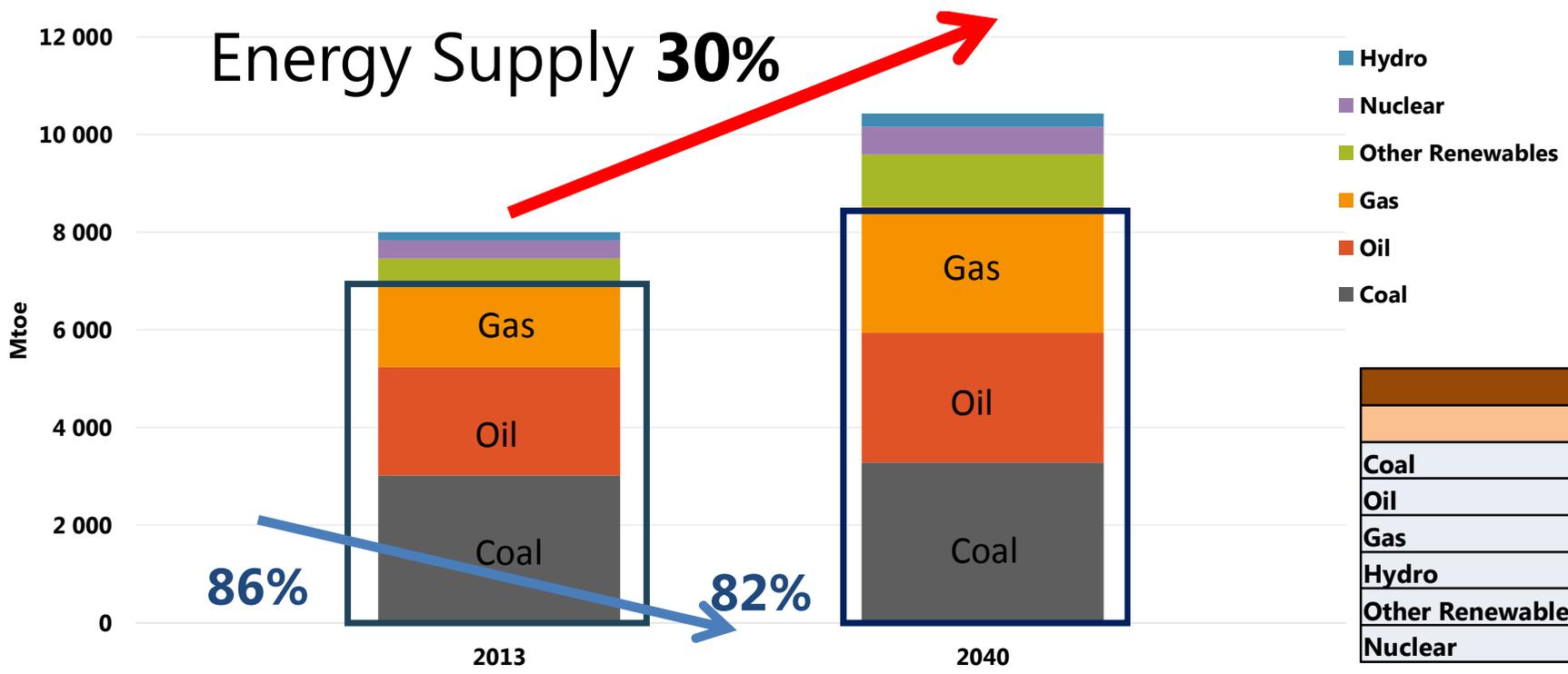
- “ The **“APEC Energy Demand and Supply Outlook”** is a priority task of APERC under the APEC Energy Action Programme adopted by leaders in 1995.
- “ We try to help facilitate APEC cooperation by providing:
 - Useful reference work on energy in the APEC region.
 - Useful suggestions and case studies to policymakers.
- “ APERC is now working on **the 6th edition** of the **“Outlook”** to be published in spring 2016.

(Previous editions are available on APERC website <http://aperc.iecej.or.jp/>)



Fossil Fuels Continue to Dominate APEC Energy Supply

Preliminary Results



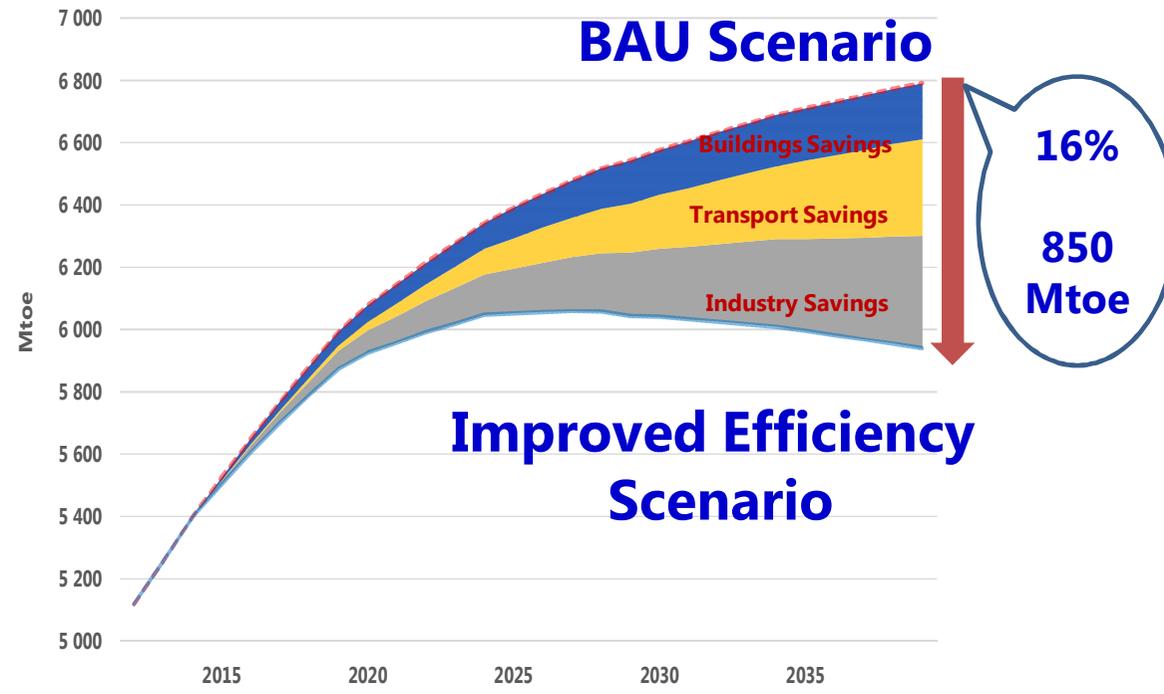
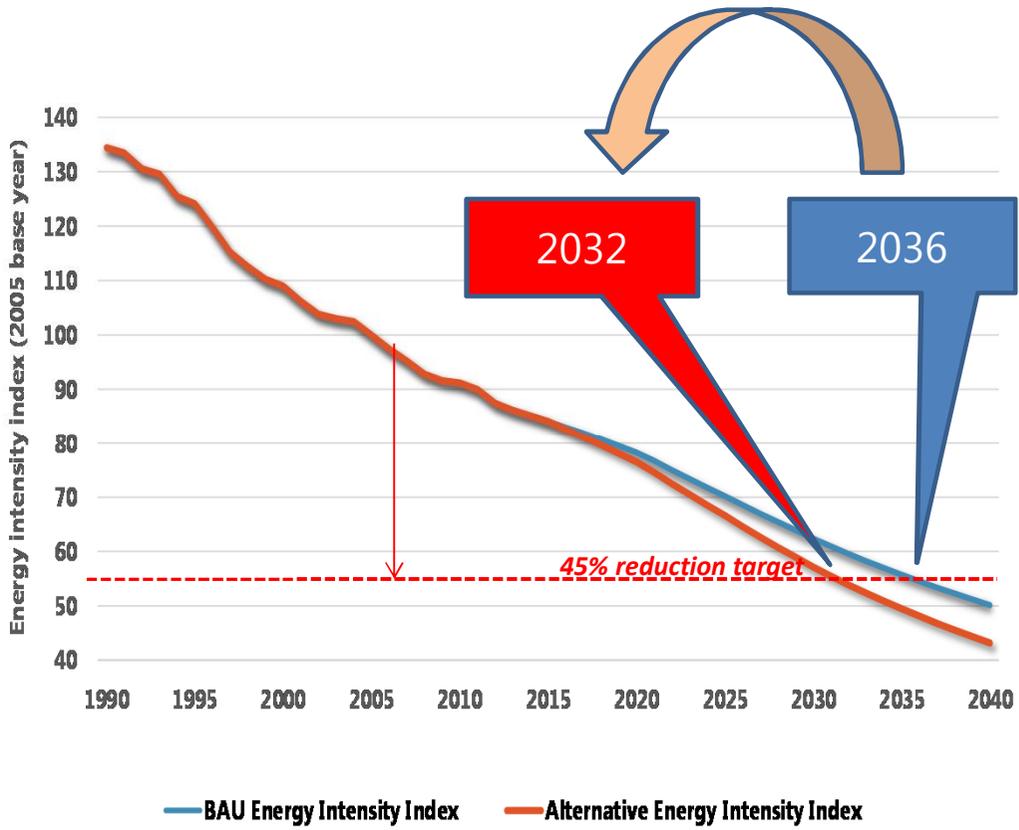
Fuel Shares			
	1990	2013	2040
Coal	27.9%	37.6%	31.4%
Oil	35.7%	27.7%	25.5%
Gas	20.2%	20.5%	24.9%
Hydro	1.9%	2.2%	2.7%
Other Renewables	8.6%	7.4%	10.2%
Nuclear	5.8%	4.6%	5.2%

The Share of Fossil Fuel

Source: APERC Analysis



APEC Energy Intensity :BAU vs Improved Efficiency Scenario



APEC's target in 2035 can be met earlier under the alternative scenario

Preliminary Results

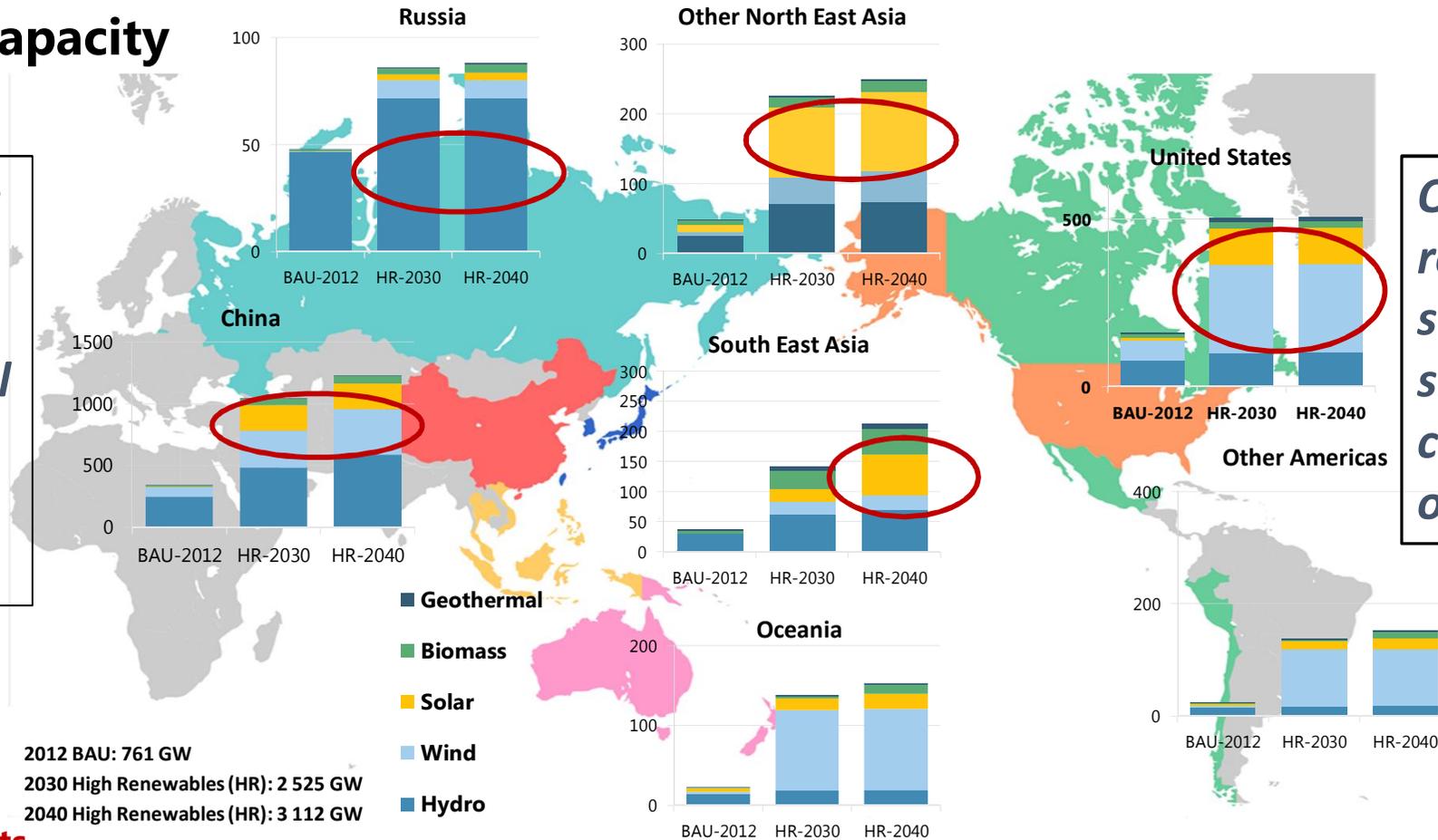
Source: APERC Analysis



High Renewables Scenario

Installed Capacity

Much of the increases in renewable capacity will come from solar and wind.



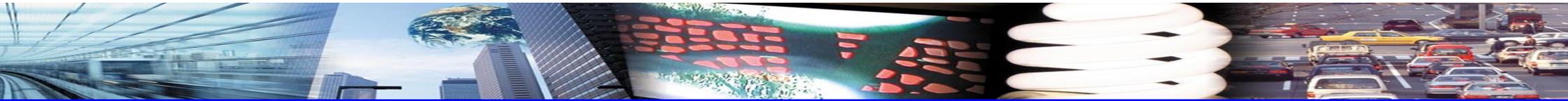
Other sub-regions also see significant contribution of hydro.

2012 BAU: 761 GW
 2030 High Renewables (HR): 2 525 GW
 2040 High Renewables (HR): 3 112 GW

Note: This map is for illustrative purposes and is without prejudice to the status of or sovereignty over any territory covered by this map.

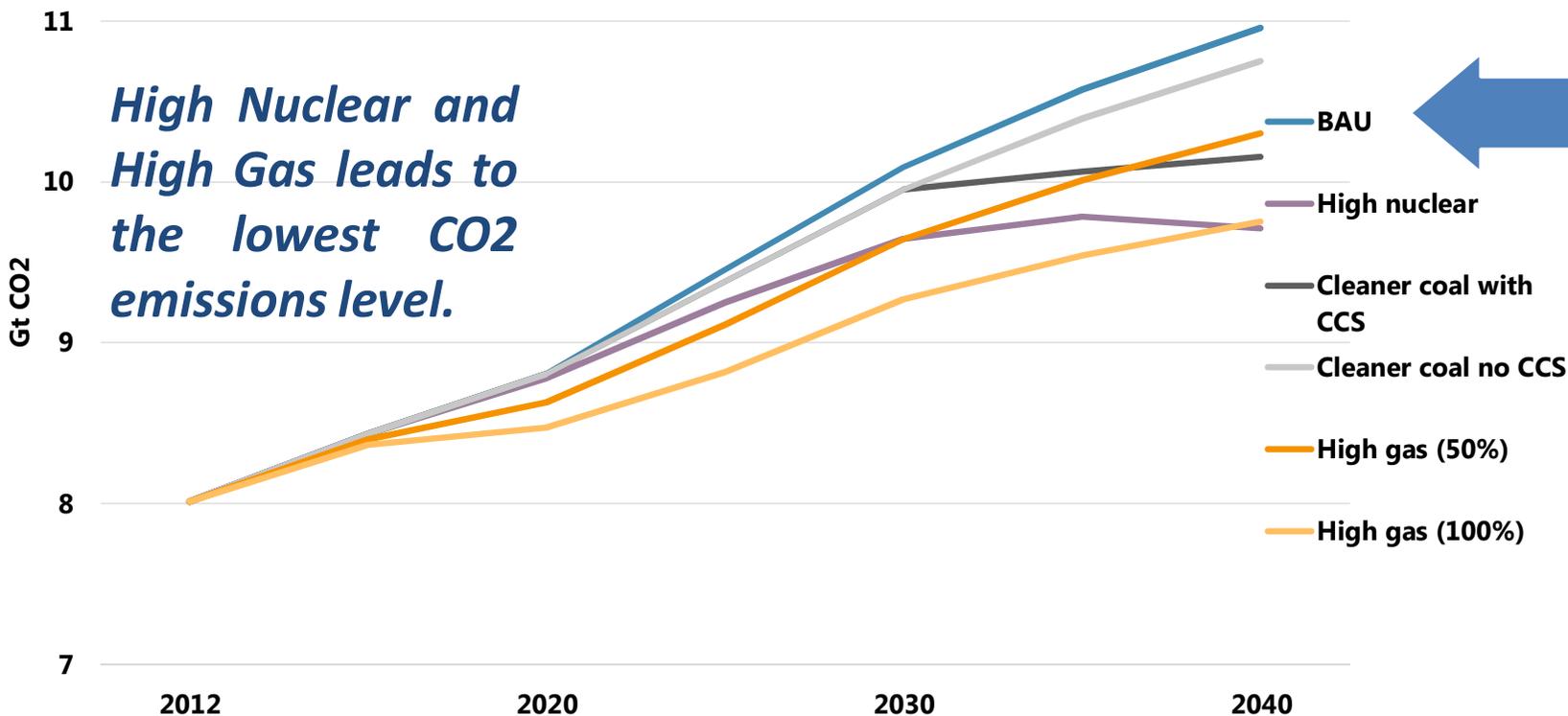
Source: APERC Analysis

Preliminary Results



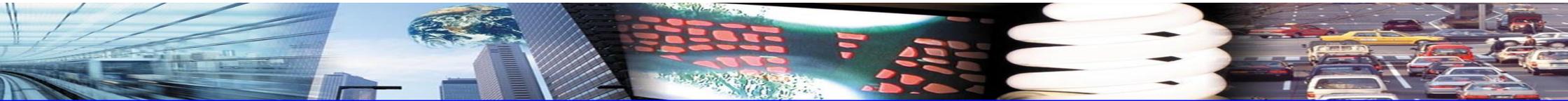
Alternative Power Mix Scenario

Trade off between cleaner coal, gas and nuclear



Source: APERC Analysis

Preliminary Results



APEC Policy Cooperative Projects

The following APEC Policy Cooperative Projects were undertaken:

PREE (Peer Review on Energy Efficiency)

- 10 Peer Reviews and 3 Follow-up Peer Reviews have been completed.
- Latest: [3rd Follow-up PREE, August 2015 – Thailand.](#)

PRLCE (Peer review on Low Carbon Energy Policies)

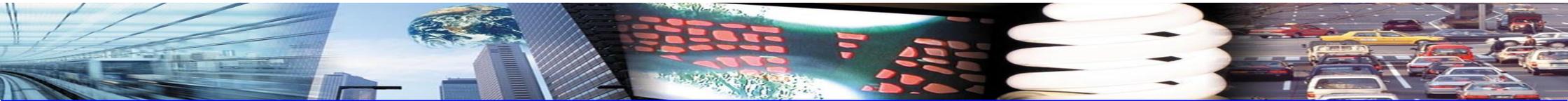
- 4 Peer Reviews have been completed.
- Next: [5th PRLCE, January 2016 – Viet Nam.](#)

LCMT (Low Carbon Model Town Project)

- 4 cases have been studied.
- Ongoing: [Phase 5, 2015 - Bitung, Indonesia.](#)



Appreciate the economies for volunteering to host Cooperative Projects.



APEC Oil and Gas Initiative

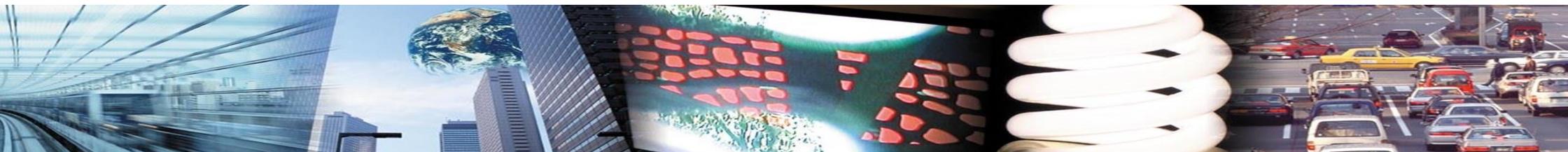
The APEC Oil and Gas Security Initiative (OGSI) was launched in response to “The APEC Energy Ministerial Meeting Declaration” adopted in Beijing, China (7-8 November 2014).



OGSI consists of three overarching activities:

- **Oil and Gas Security Exercise (OGSE)**
Next in the Philippines in December 2015
- **Oil and Gas Security Network (OGSN)**
Bimonthly Newsletters and Annual Forums
- **Oil and Gas Security Studies (OGSS)**
6 research topics in the 1st year

Further guidance is sought from the Ministers.



APERC would like to discharge tasks mandated by Energy Ministers as much as possible.

Thank you for your kind attention.

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