



# Session 7: APERC Research Activities

## B. APEC Energy Overview 2014 and 2015

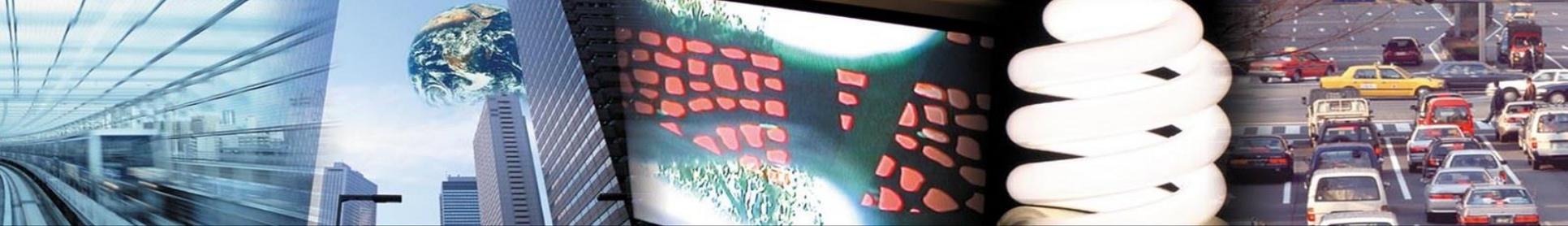
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The 27th Meeting of Expert Group on Energy Data Analysis (EGEDA)  
Kaohsiung, Chinese Taipei, 1-3 September 2015



Asia-Pacific  
Economic Cooperation



# Outline of Presentation

Project Context

The 2014 Overview

- Notable energy developments

The 2015 Overview

- Points to consider

Expected Time Frame for 2015

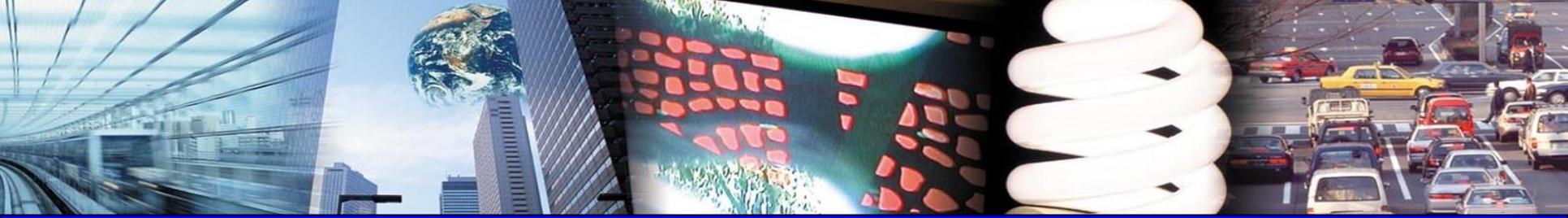


## Project Context

- ❑ proposed by Australia during the EGEDA meeting held in Japan last March 2000 and approved at the EWG 19 meeting in April 2000;
- ❑ Since 2000, 14 editions posted at the website; 2015 edition to begin this fall;

**APEC Energy Overview** serves as a venue

- ❖ to share (latest) information on government energy policies of member economies;
- ❖ provide useful information and insights to policy makers in the region; and
- ❖ Promoting the use of EGEDA data



## The 2014 Overview – Notable Energy Developments

### ❑ **Australia**

Energy White Paper 2015, G20 Energy Efficiency Action Plan

### ❑ **Brunei**

Wawasan 2035, update of National Plan

### ❑ **Canada**

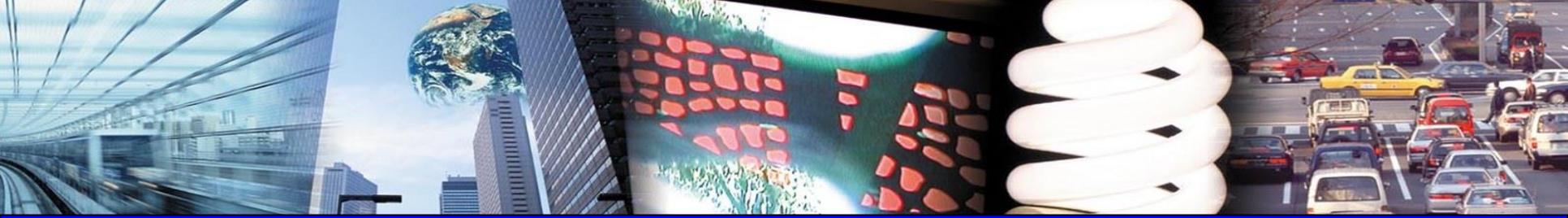
LNG terminal projects – 17 projects as of Nov 2014, new legislation on Arctic and Offshore oil and gas regime

### ❑ **Chile**

New Energy Agenda (May 2014) with short term goals on energy mix to 2025 and longer term sustainability goals to 2050

### ❑ **China**

Joint US-China agreement on Climate change with CO<sub>2</sub> peaking in 2030, 20% non-fossil fuel target by 2030, East pipeline project signed with gas from 2018 reaching 28 bcm/yr, over 14 GW of renewables added to the grid in Gansu province



## The 2014 Overview – Notable Energy Developments

### ❑ **Hong Kong**

Completion of 2<sup>nd</sup> gas pipeline, mandatory labelling scheme (over 6 400 products) and building codes for new and existing buildings

### ❑ **Indonesia**

10 GW Phase II Accelerated Power Program will see total capacity reach 17.5 GW by 2022, 60% from coal, 28% geothermal, 10% hydro and 2% gas

### ❑ **Japan**

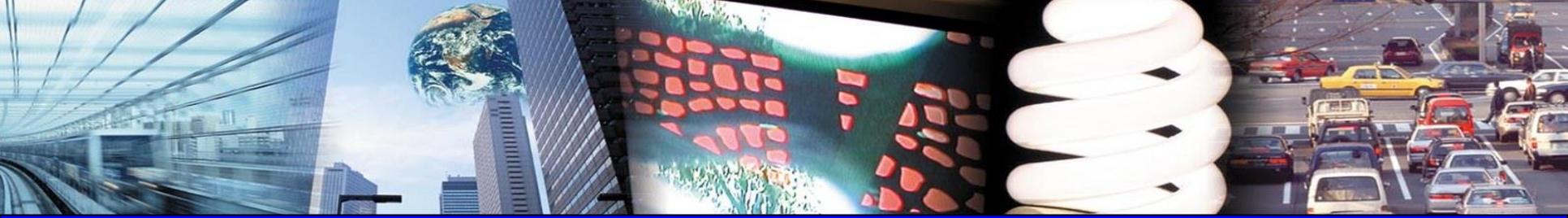
Adoption of Strategy Energy Plan (April 2014)

### ❑ **Korea**

R&D plan for green industry doubling energy R&D budget, GHG emissions and energy standards covering large public/private emitters

### ❑ **Russia**

Energy intensity goal of 13.5% improvement by 2020, plan to modernise power sector to 2020, gas purchase contract with China for Eastern route



## The 2014 Overview – Notable Energy Developments

### ❑ **Malaysia**

Implementation of B7 (biodiesel) programme, removal of subsidies for petrol RON 95 and diesel, Petronas will invest USD 27bn in PIPC

### ❑ **Mexico**

Energy Market Reform, 1<sup>st</sup> phase of gas pipeline from US began, 13 new power plants with 1.9 GW of capacity and transmission extension underway

### ❑ **New Zealand**

Partial privatisation of 3 largest utilities

### ❑ **PNG**

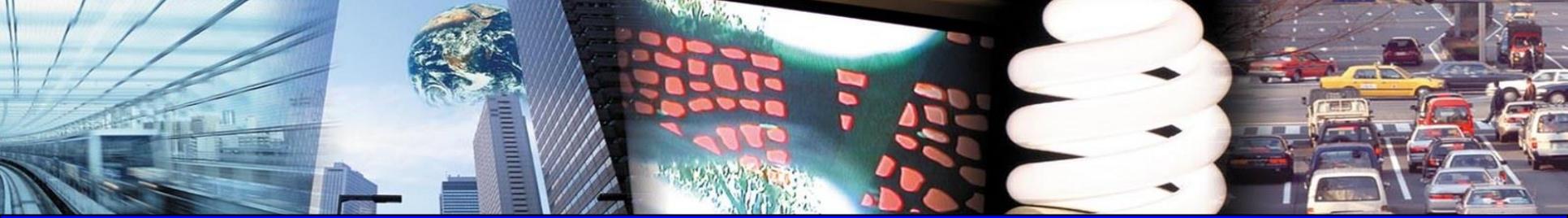
1<sup>st</sup> deliveries of gas from PNG's LNG project in May 2014

### ❑ **Peru**

New Energy Plan 2014-2050, gas to reach 35% of FED by 2025

### ❑ **Philippines**

Energy Reform Agenda, renewables target of 15 GW by 2030



## The 2014 Overview – Notable Energy Developments

### ❑ **Singapore**

Projects on energy storage, micro grid and biomass clean coal cogen

### ❑ **Chinese Taipei**

Million solar rooftop program – 6.2 GW by 2030, 1 000 wind turbines program with target of 4.2 GW by 2030

### ❑ **Thailand**

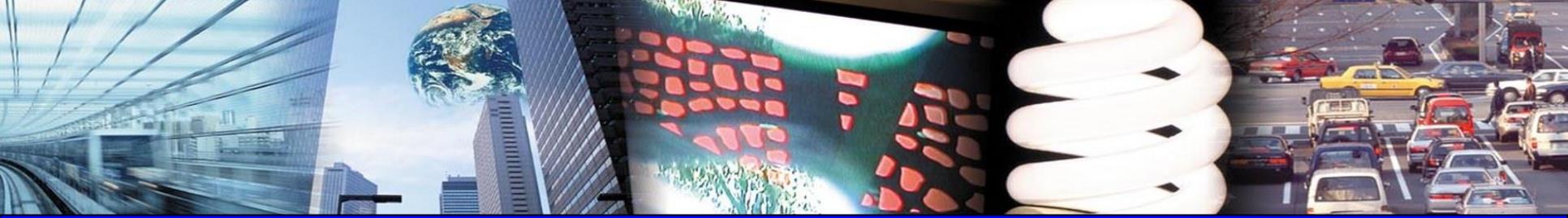
Revision of Power Development Plan, Energy Efficiency Development Plan and Renewable and Alternative Energy Development Plan underway

### ❑ **United States**

Climate Action Plan, Quadrennial Energy Review, Joint US China agreement

### ❑ **Viet Nam**

Revision of Power Development Master Plan to 2035 underway Improved transparency in electricity and petroleum products markets regulation



## The 2015 Overview

### ❑ ***Introduction***

- Key data and economic profile (2013); energy reserves

### ❑ ***Energy Supply and Consumption for 2013***

- Primary energy supply
- Final energy consumption

### ❑ ***Energy Intensity Analysis***

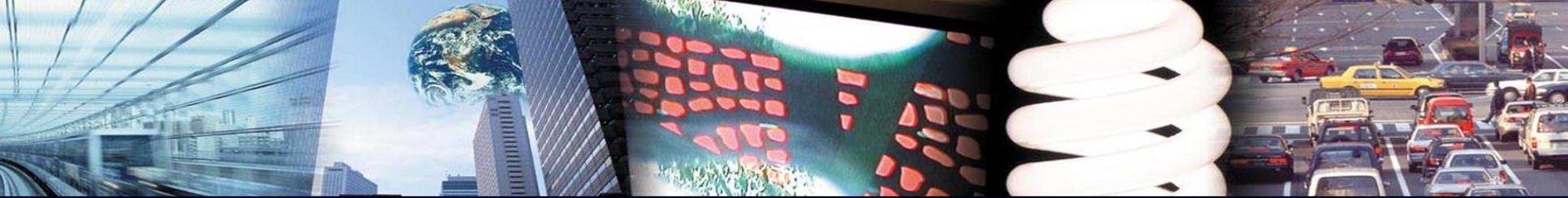
### ❑ ***Doubling Renewables Analysis (additional feature)***

### ❑ ***Policy Overview***

- Energy policy goals, objectives and strategies

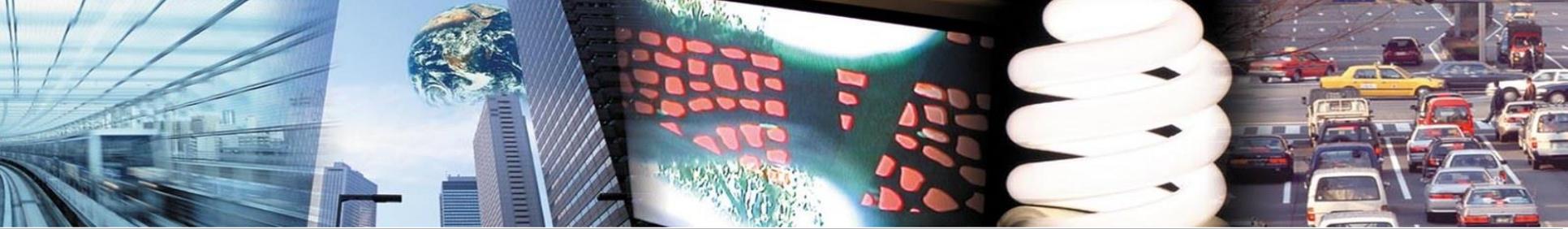
### ❑ ***Notable Energy Developments***

- Changes to policies, regulations and programs
- Energy projects and infrastructure development



## Proposal for New Renewables analysis

- ❑ APERC proposes to add a new ***Renewables Analysis*** to track progress on the APEC renewable doubling goal in 2030 compared to 2010 levels;
- ❑ Members are encouraged to suggest ways to improve the Overview, submit information on notable energy developments to the EWG in time for the Overview and continue to provide updated information during the review process.



## Expected Timeframe for 2015 APEC Overview

- ❑ First drafts to be completed by end January 2016;
- ❑ Drafts to come back from editor in early March 2016;
- ❑ First circulation to member economies by 2<sup>nd</sup> week of March 2016;
- ❑ Comments from member economies to be received by end of March 2016;
- ❑ Second round of editing if necessary in 2<sup>nd</sup> week of April 2016;
- ❑ Receive the final comments (if any) from member economies by end of April 2016, and
- ❑ Publish PDF-version of 2015 APEC Overview hopefully by end of May 2016, on APERC's website.



**Thank You**

**APERC looks forward to cooperating with  
you in the future**

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