

# Common Format for Compendium on Energy Efficiency Policies of APEC Member Economies

Satoshi Nakanishi  
General Manager, APERC

*APERC workshop at EGW 36  
Manila, Philippines, December 1<sup>st</sup>, 2008*

# Outline

- What is the Compendium?
- Structure of the Compendium
- How to Compile the Compendium
- How will the Compendium be used?

# What is the Compendium

- *The compendium is a collection of energy efficiency policies of all APEC member economies including goals and action plans for improving energy efficiency.*
- *The compendium is a basis for information sharing on energy efficiency policies and measures.*
- *The compendium could serve as the basic information for conducting peer review for voluntary economies.*
- *The compendium is updated periodically by APERC, and uploaded on APERC/EWG website.*

## Draft Common Format for Compendium

### on Energy Efficiency Policies of APEC Member Economies

(Version 7-As of 26-11-2008)

#### Introduction <sup>1</sup>

##### - Current Situation of Energy Consumption-

- (a) Structure and trend of energy consumption (Industry, Transport, Commercial and Residential sectors)
- (b) Overall energy efficiency performance, toe per US\$ million GDP
- (c) Energy efficiency performance on sector basis (Industry, Transport, Buildings (including residential building) and Power sectors)
- (d) Key data on economy indicators, energy intensity by sector, etc.)

#### 1. National Goals on Energy Efficiency Improvement<sup>2</sup>

- 1.1 Overall energy efficiency improvement goal (including quantitative and qualitative energy saving goals)
- 1.2 Sectoral energy efficiency improvement goal (including appliances and equipments)
- 1.3 National action plans for promoting energy efficiency
  - (a) Objectives; (b) Applicable sectors; (c) Outlines; (d) Financial resources and budget allocation; (e) Method for monitoring and measuring the effect of the measures (energy consumption reduction, energy cost reduction, etc.); (f) Expected results (if possible); (g) Future task.
- 1.4 Institutional structure (National, Regional & Local)

<sup>1</sup> Introduction is written by APERC based on publicly available information and data or APERC analysis. The content of introduction is subject to the review of the economy.

<sup>2</sup> The items 1- 5 are compiled by APERC based on the information and data supplied by the economy.

#### 2. Legal Framework for Energy Efficiency Improvement

- 2.1 Law, Decree, Act or other legal documents issued by the government
  - (a) Name; (b) Purpose; (c) Applicable sectors; (d) Outline; (e) Financial resources and budget allocation; (f) Expected results (if possible).
- 2.2 Regulatory Measures
  - 2.2.1 Regulatory measures based on the legal documents
    - (a) Name; (b) Purpose; (c) Applicable sectors; (d) Outline; (e) Financial resources and budget allocation; (f) Expected results.
  - 2.2.2 Other regulatory measures (including voluntary measures)
    - (a) Name; (b) Purpose; (c) Applicable sectors; (d) Outline; (e) Financial resources and budget allocation; (f) Expected results (if possible).

#### 3. Financial Measures Taken by the Government

- 3.1 Tax scheme
  - (a) Name; (b) Purpose; (c) Applicable sectors; (d) Outline; (e) Financial resources and budget allocation; (f) Expected results (if possible).
- 3.2 Low-interest loan
  - (a) Name; (b) Purpose; (c) Applicable sectors; (d) Outline; (e) Financial resources and budget allocation; (f) Expected results (if possible).
- 3.3 Subsidies and budgetary measures
  - (a) Name; (b) Purpose; (c) Applicable sectors; (d) Outline; (e) Financial resources and budget allocation; (f) Expected results (if possible).

#### 4. Energy pricing

Energy pricing measures for fuels (coal, gas, petroleum products) and power sector

#### 5. Others

Those efforts that are made by various foreign countries, international organizations, local governments, private sectors, etc., and that have effects to improve energy efficiency and conservation in your economy

# Structure of the Compendium

## Introduction

### 1. National Goals on Energy Efficiency Improvement

Overall goal, Sectoral goal, Action Plan, Institution, Information Dissemination/awareness raising, R & D in EE technology

### 2. Legal Framework for Energy Efficiency Improvement

Law/decrees, Regulatory measure, Voluntary measures

### 3. Financial Measures Taken by the Government

Tax scheme, Low – interest loan, Subsidies /budgetary measures

### 4. Energy Pricing

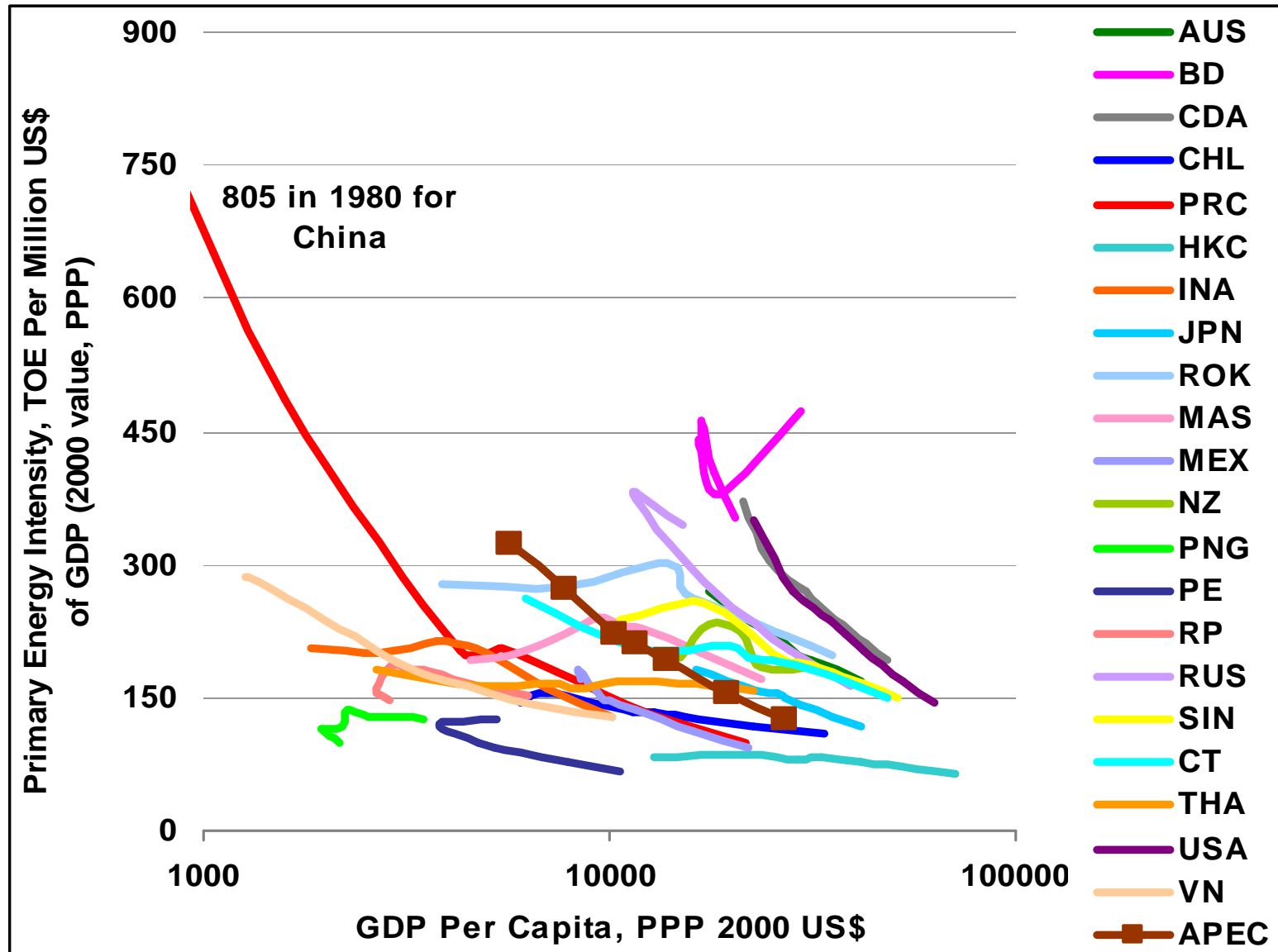
### 5. Others

# National Action Plans for promoting energy efficiency

1. Objectives
2. Applicable sectors
3. Outlines
4. Financial resources and budget
5. Method for monitoring and measuring the effect
6. Expected results
7. Future task

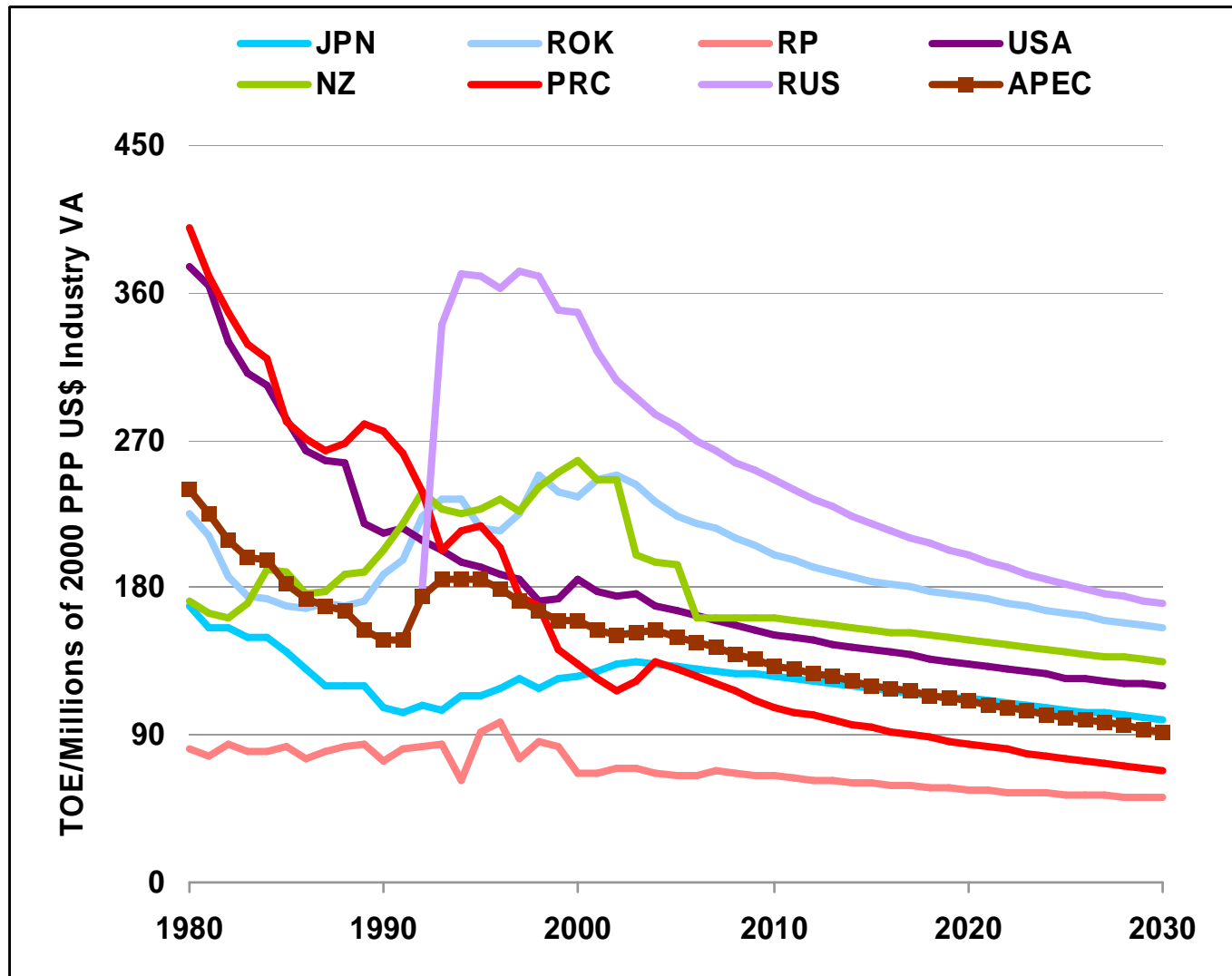
# Primary Energy Intensity (1980-2030)

(APEC Outlook 2006)



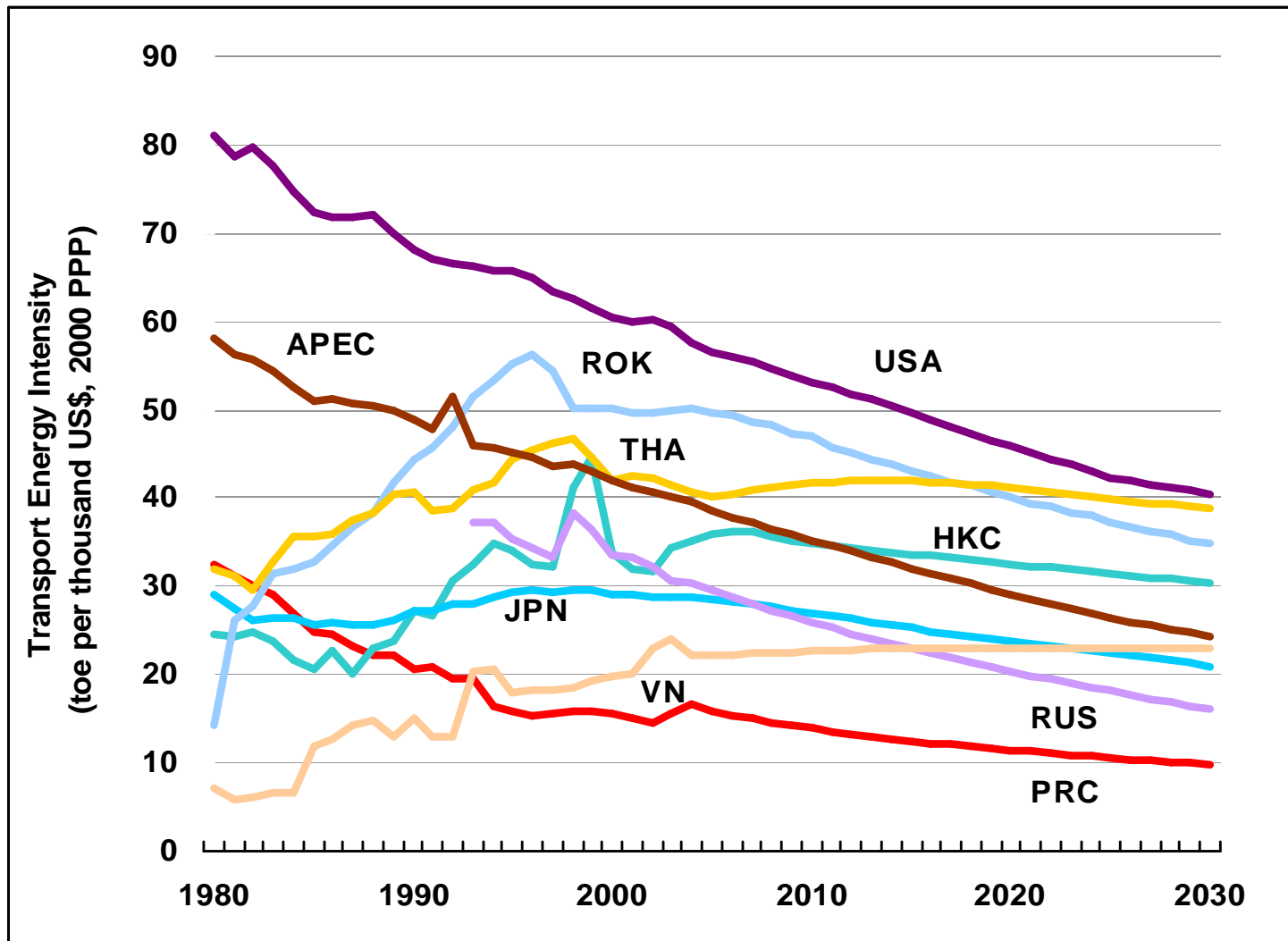
# Energy Intensity (Industry Sector)

(APEC Outlook 2006)





# Energy Intensity (transport sector) (APEC Outlook 2006)



# How to Compile the Compendium

QUESTIONNAIRE FOR ENERGY EFFICIENCY COMPENDIUM				
<b>Q1</b>	<b>National Goals on Energy Efficiency Improvement</b>			
<b>Q1.1 Does your economy have any overall energy efficiency improvement goals?</b>				
If answer is "YES", please provide details on your specified goals as per the attached table. If possible, please provide information on how the goals are formulated, top-down or bottom-up approach, timeframe, key indicators, current status and etc.				
	Period	Key Indicator	Target Set	Target Achieved
Overall target				
Goal formulation approach:				
If answer is "NO", please describe whether there is any plan to formulate energy efficiency goal for your economy in the near future or not?				
Description and comments:				
<b>Q1.2 Does your economy have any specific sectoral energy efficiency improvement goals?</b>				
If answer is "YES", please provide details on your specified goals as per the attached table. If possible, please provide information on how the goals are formulated, top-down or bottom-up approach, timeframe, key indicators, current status and etc.				
Sector	Period	Key Indicator	Target Set	Target Achieved
Transport				
Industry				
Residential				
Commercial				
Others				
Goal formulation approach:				
If answer is "NO", please describe whether there is any plan to formulate sectoral energy efficiency goal for your economy in the near future or not?				
Description and comments:				

# How will the Compendium be used?

- The draft compendium for all APEC economies will be presented at the EWG meetings. This will be part of the EWG progress report on PREE to the APEC Leaders meeting in 2010.
- A summary of the Compendium will be made by APERC in a comparative format for important items.
- The compendium could also be utilized by APERC for developing an energy efficiency scenario or policy scenario in APEC Energy Demand and Supply Outlook.

## Summary of the Compendium

	indicator	goals	deadline	base	action plans
Australia					
Brunei					
China					
Indonesia					
Japan	Energy Intensity TPES/GDP	30%	2030	2003	Industry: Voluntary action plans(cement, iron&steel, chemical, paper& Transportation:1)Voluntary action plans by distributors, 2)Fuel efficiency standards for vehicles 3)eco-driving, 4)promotion of E3 and ETBE8 Power:1)higher utilization of nuclear reactors, 2)higher efficiency for fired plants, 3)co-generation
Korea					
Malaysia					
NZ					
Philippines					
Singapore					
Thailands					
Vietnam					
CANADA					
CHIILI					
Hong Kong, China					
Mexico					
Papua New Guinea					
PERU					
RUSSIA					
Chainese Taipei					
United States					

Thank you for your attention.

We are happy to receive the comments  
for finalizing the Compendium.