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 1st, 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

- 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

   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)

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

---

1 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.
2 The items 1-5 are compiled by APERC based on the information and data supplied by the 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/decree, 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

805 in 1980 for China

GDP Per Capita, PPP 2000 US$
Energy Intensity (Industry Sector)
(APEC Outlook 2006)
Energy Intensity (transport sector) (APEC Outlook 2006)
# How to Compile the Compendium

**QUESTIONNAIRE FOR ENERGY EFFICIENCY COMPENDIUM**

**Q1** National Goals on Energy Efficiency Improvement

<table>
<thead>
<tr>
<th>Period</th>
<th>Key Indicator</th>
<th>Target Set</th>
<th>Target Achieved</th>
</tr>
</thead>
<tbody>
<tr>
<td>Overall target</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

**Q1.1 Does your economy have any overall energy efficiency improvement goals?**

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.

**Q1.2 Does your economy have any specific sectoral energy efficiency improvement goals?**

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.

<table>
<thead>
<tr>
<th>Sector</th>
<th>Period</th>
<th>Key Indicator</th>
<th>Target Set</th>
<th>Target Achieved</th>
</tr>
</thead>
<tbody>
<tr>
<td>Transport</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industry</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Residential</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Commercial</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Others</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Country</th>
<th>Indicator</th>
<th>Goal</th>
<th>Action Plans</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brunei</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>China</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indonesia</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Japan</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Additional Countries

<table>
<thead>
<tr>
<th>Country</th>
<th>Indicator</th>
<th>Action Plans</th>
</tr>
</thead>
<tbody>
<tr>
<td>Korea</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Malaysia</td>
<td></td>
<td></td>
</tr>
<tr>
<td>NZ</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Philippines</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Singapore</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Thailand</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Vietnam</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Canada</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chili</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hong Kong, China</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Mexico</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Papua New Guinea</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Peru</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Russian Federation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chinese Taipei</td>
<td></td>
<td></td>
</tr>
<tr>
<td>United States</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Thank you for your attention.

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