

**36th APEC ENERGY WORKING GROUP
AND ASSOCIATED MEETINGS**

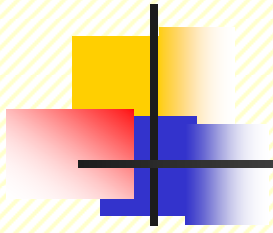
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**KEY POINTS OF ENERGY EFFICIENCY
POLICY in VIETNAM
(1st Draft of Compendium)**

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**Asia-Pacific
Economic Cooperation**



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Current Situation of Energy Consumption (1)

Features of economy and energy consumption in the period 1995-2006

- Fast growing economy

At the rate of higher than 7 % in the past 10 years 1995-2006

- High growth rate of energy consumption
10.6%

- The share of Industry is dominated and increasing
39-40%; followed by the transport: 33%



Current Situation of Energy Consumption (2)

- Growth rate of Electricity consumption much higher than TFES

14.8%

- The trend of the largest electricity consuming sector is shifting from RES&Com to Industry.

- Structure of power consumption (in 2006.)

Industry is dominated: 47%. RES&Com: 27%

Features of Energy Efficiency Performance in the period 1995-2006



Current Situation of Energy Consumption (3)

- **Low energy consumption per capita**
271kg TOE/person; 610kWh/person
- **Low energy efficiency in both supply and demand sides, high energy intensity**

Energy intensity: 400 kgOE/1000 USD; Industrial energy intensity: 600-700 kgOE/1000 USD

Energy elasticity: 1.5; Electricity elasticity: 2

- **Unreasonable in energy pricing**
- **High potential energy saving**
20-30% of total energy consumption in industry

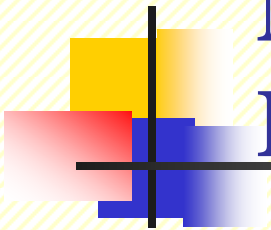


National goals on Energy Efficiency Improvement (1)

Overall & sectoral energy efficiency improvement goals in period 2006-2015 (Under National Energy Efficiency Program)

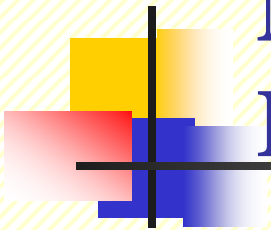
I. Goals

- In period 2006-2010: Reduction of national energy consumption 3%-5% in comparison with energy demand forecast (BAU case).
- The 1st law on EE&C will be completed
- T&D losses will be reduced to 9% by 2010
- In period 2011-2015: Reduction of national energy consumption 5%-8% in comparison with energy demand forecast (BAU case).



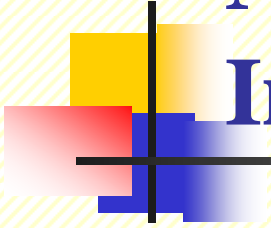
National goals on Energy Efficiency Improvement (2)

- **Institution establishment on EE&C**
- **Enforcement of legal document on EE&C in period 2006-2010, issuance of 10 MEPS for 10 types of equipment, carrying out the EE&C Labeling**
- **Application of energy management system in 40% of designated enterprises in period 2006-2010 and 100% by 2015.**
- **Compulsory Application of Buildings Code for new Buildings from 2006.**



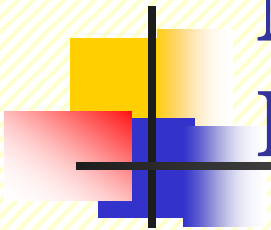
National goals on Energy Efficiency Improvement (3)

- **Completion of energy pricing to promote EE&C activities**
- **Introduction of high energy efficiency equipment, replacement of low energy efficiency equipment, reduction of energy intensity**
- **Efficient utilization of transportation system to reduce energy consumption, fuel shifting from gasoline to LPG in the cities**



National goals on Energy Efficiency Improvement (4)

- II. The action plans (in form of 11 projects)**
 - 1. Completing legal framework on EE&C in all activities.**
 - 2. Propagandizing to raise community's awareness of energy saving and effective use.**
 - 3. Put education of energy saving and effective use into national education system.**
 - 4. Campaign on establishment of model named "Energy saving in each household".**



National goals on Energy Efficiency Improvement (5)

- 5. Developing standards and putting energy-saving label on some targeted products.**
- 6. Providing technical assistant to domestic manufacturers who meet the standards on energy efficiency**
- 7. Establishing Energy Management System in enterprises.**
- 8. Assisting manufactories to upgrade, improve and rationalize production line for energy saving and effective utilization**



National goals on Energy Efficiency Improvement (6)

- 9 **Improving capability and implementing activities of EE&C activities in designing and managing buildings.**
- 10 **Construct Pilot Buildings and put the EE&C activities in Buildings into discipline.**
- 11 **Optimizing capacity of means of transportation, minimizing fuel consumption and reducing emission.**

III. Applicable sectors: Industry, Transport, Com&Res. and Power



Legal framework for Energy efficiency improvement (1)

Legal and related documents used for implementation of EE&C include Law, Decree, Decision and Circular issued by the Government.

- 1. National Energy Development Strategy released in December 2007.**
- 2. The National Energy Efficiency Program signed by Prime Minister in April 14 2006**
- 3. The Electricity Saving Program in period 2006-2010 signed by Prime Minister in 2006**
- 4. Electricity Law enforced in July 2005**



Legal framework for Energy efficiency improvement (2)

- 5. Vietnam Energy Efficiency Building Code issued by Ministry of Construction in November 2005**
- 6. The Government Decree on Energy Efficiency and Conservation enforced in September 2003**
- 7. Circular on Guiding the Energy Conservation and Energy Efficiency in production units issued by Ministry of Industry in 2006**
- 8. Circular on Guideline for implementation of the Government Decree on Energy Efficiency and Conservation enforced in July 2004.**



Legal framework for Energy efficiency improvement (3)

Regulatory measures based on the legal documents

■ Vietnam Energy Efficiency Building Code

Objective: To minimize loss of energy used in buildings, improve thermal comfort,.etc

Scope of application: Applying compulsory control for new buildings to be designed and constructed from 2007.

Expected results: Saved energy 10-20 % compared to regular buildings.



Legal framework for Energy efficiency improvement (4)

Other regulatory measures

- **Voluntary standard and labeling program**

Objective: To set up standards on minimum energy efficiency and label some products by selected list.

Applicable sectors: Some kind of electrical appliances used in Res.&Com. sector to be implemented in the period 2007-2015



Energy Pricing

	Coal	Petroleum products	LPG, natural gas	Power
Controlled by the government	Coal used for power generation	Kerosene and Diesel oil		Electricity price for all sectors
Market-based pricing	Coal used for remaining sector	Remaining petroleum products	Gas used for all sector	

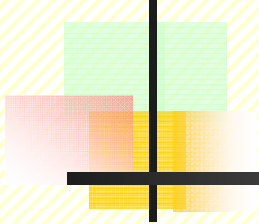


Others

- **ASEAN PROMEC (Promotion of energy efficiency and conservation program 2000-2008)**

Purpose: Transfer of technology & experience from Japan to ASEAN, development of energy management tool such as the technical directory and the in house database

Target sector: Industry and building; Jointly by the ECCJ, ACE and ASEAN Countries, sponsored by Japan



**Thank you for your
attention**

