

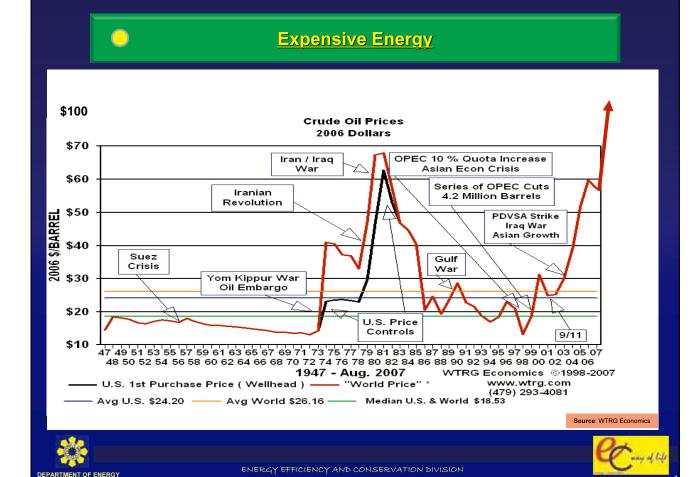


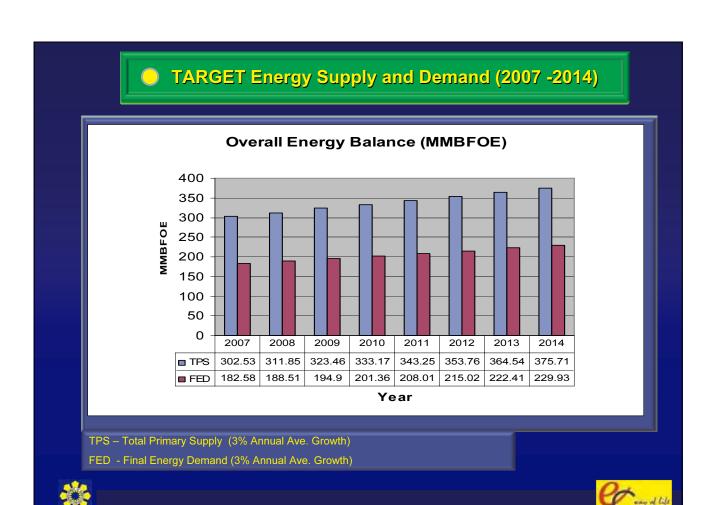
### **Facts**

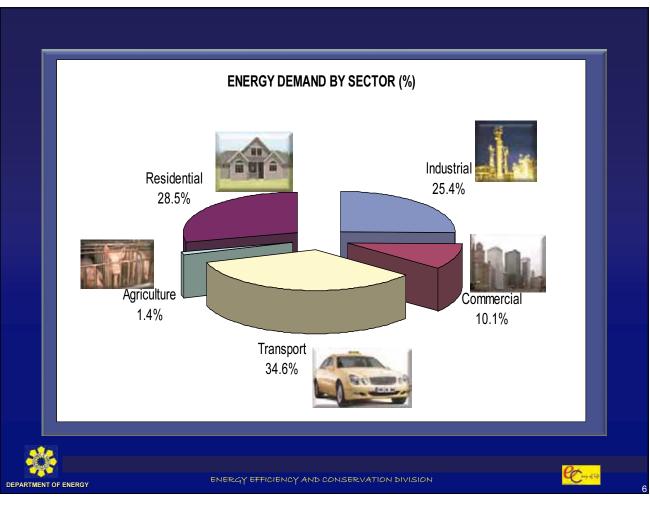
- Crude Oil Supply is **FAST DEPLETING** (Human activity)
- Wide Price Swing due to SHORTAGE or OVERSUPPLY (war, oil embargo, supply cut, quota increase)
- Simply EXPENSIVE Crude Oil Price in the World Market (dynamic market forces)















ENERGY EFFICIENCY AND CONSERVATION DIVISION



The "National Energy Efficiency & Conservation Program" (NEECP)

Launched by President Gloria Macapagal-Arroyo last August 2004 to further strengthen the implementation of the energy efficiency and conservation programs in the country. The General Objective is to make energy efficiency and conservation (EE&C) a way of life.

#### **Specific Objectives:**

- (1) To cushion the impact in the increase in prices of petroleum products and electricity through the implementation of energy efficiency and conservation measures;
- (2) To promote cost avoidance/savings on fuel and electricity without sacrificing productivity; and,
  - (3) To help protect the environment.

OFFICIAL LOGO way of life





It aims to achieve a **60-percent self sufficiency level by 2010** to shield the country from the price volatility of imported energy. This would be achieved through:

- 1. increase reserves of indigenous oil and gas;
- 2. aggressive development of renewable energy potential such as biomass, solar, wind and ocean resources;
- 3. increase the use of alternative fuels;
- 4. form strategic alliances with other countries; and
- 5. Strengthen and enhance energy efficiency and conservation programs.





- ii. NEECP Sub-Program Components and Activities
  - A. Information, Education and Communication Campaign
  - B. Standard and Labeling for Household Appliances
  - C. Fuel Economy Run
  - D. Government Energy Management Program
  - E. Energy Management Services / Energy Audit
  - F. Recognition Award
  - G. Voluntary Agreement Program





# A. Information, Education and Communication Campaign



### **SEMINAR - WORKSHOP**

a. "Power Conservation and Demand Management"

Target Sectors:

Household, Industrial, Commercial, Academic Institutions





ENERGY EFFICIENCY AND CONSERVATION DIVISION



### **SEMINAR - WORKSHOP**

b. "Fuel Conservation and Efficiency in Road Transport"

Target Sectors:

Private and Public Transport Drivers, Members of Transport Associations and Operators







### **SEMINAR - WORKSHOP**

c. "Energy Efficiency & Conservation in Government Building"

Target Sectors:

**Government Employees** 







fuel saving tips

WATCH YOUR POWER ACCESSORIES

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ENERGY EFFICIENCY AND CONSERVATION DIVISION

### TRI-MEDIA CAMPAIGN

a. Print / Broad Sheet Newspapers

(Publication of Enercon Tips on Electricity & Fuel)

- b. TV Ad
- c. Radio Ad

(30s TV plugs aired on various television channels and 30s Radio plug in over 100 KBP member-radio stations nationwide)

### **INFOMERCIALS**

a. Mediatorn (Electronic Billboard)



Shut off any power consuming gadgets in your vehicle before turning off the engine. This lessens the power load the next time you start your vehicle.

A public service message of:

OF PRINCIPALELM

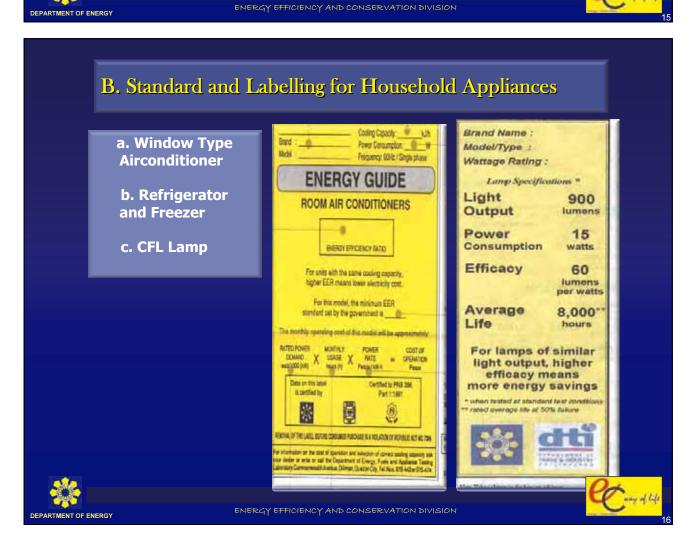
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A Partnership of the Department of Energy and Pilipinas Shell Petroleum Corporation



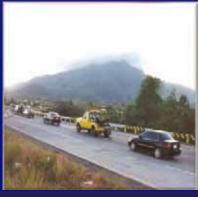
### C. Fuel Economy Run

#### **OBJECTIVES:**

- To establish Fuel Mileage Rating
- To eventually Label all Brand New Models of Passenger Cars and Light Duty Vehicles
- To empower the Consumers in Choosing the most efficient vehicle sold in the market











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### D. Government Energy Management Program (GEMP)

### **Status of Implementation**

- Spot Checks in Government Buildings
  - o Metro Manila 76
  - o Regional Offices (Luzon) 44
  - o Regional Offices (Visayas) 37
  - o Regional Offices (Mindanao 69

**Total: 226 Buildings** 

Fuel & Electricity Monthly Monitoring (Period Covered: Sept. 2005 – October 2007)

### **Fuel Savings**

**Electricity Savings** 

(Liters) (Million Pesos) (Kwh) (Million Pesos) 616 2,632,692 93 79,460,178 NCR 300,329 12 8,190,872 54 Regional: TOTAL: 2,933,021 105 87,651,050





### Spot Check and Posting of Grades in Government Building









ENERGY EFFICIENCY AND CONSERVATION DIVISION



### E. Energy Management Services / Energy Audit

- Energy audit is the heart of a successful total energy management program
- An energy audit is a critical examination of an energy-consuming equipment or facility
- Proponent of DOE Energy Audit Service includes manufacturing, commercial & Government buildings, power distributors, among others.





Cany of life

### F. Recognition Award Program

- The Award giving body is headed by the DOE Secretary as Chair of the Steering Committee.
- Member Representatives to the Steering and Technical Committee were from the Petroleum Industries, Power Distributors & Generators and NGO's
- Started in 1982, in recognition of the founder of the Enercon Movement in 1979, Mr. Emilio Abello
- Year 2007 is the 25<sup>th</sup> year Anniversary of the Don Emilio Abello Energy Efficiency Award

The Don Emilio Abello Energy Efficiency Award 2007







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### G. Voluntary Agreement Program







#### **Vehicle Use Reduction Program**

• encourages vehicle owner to use public transport to conserve fuel.

#### **Placemates Program**

 encourages the leading food chains to use placemats with fuel efficiency and conservation, as well as power conservation and demand management themes.

#### Partnership with the Private Business Sector

• Establish partnership with the Commercial & Industrial establishment with the objective of disseminating EE&C applicable technologies, programs and measures through conduct of in-house seminars; by providing energy audit service; by recognizing establishment who implemented Energy Management System as part of the Corporate management operation, among others.



Cany of life



### **Foreign Assisted Projects**

## "ASEAN PROMOTION OF ENERGY CONSERVATION AND EFFICIENCY PROJECT" (ASEAN-PROMEEC)

- A. ASEAN Promotion of Energy Efficiency and Conservation (ASEAN-PROMEEC) Industry, Buildings and Energy Management
- B. ASEAN Best Practices Competition Award on Energy Conservation & Efficiency in Buildings
- C. ASEAN Energy Management Competition Award for Industries and Buildings

UNDP-GEF: Philippine Efficient Lighting Market Transformation Project (PELMATP)



ENERGY EFFICIENCY AND CONSERVATION DIVISION



VI. EE&C Laws and Presidential Issuances that Supports Energy Efficiency and Conservation

### 1. Current REGULATORY Policies/Framework

- DOE MEMORANDUM CIRCULAR No. 93-03-05 (Energy Consumption Monitoring)
- EXECUTIVE ORDER No. 123 (Power Conservation)
- EXECUTIVE ORDER No. 472 (Fuel Conservation in Road Transport)
- ADMINISTRATIVE ORDER No. 103
- ADMINISTRATIVE ORDER No. 110
- ADMINISTRATIVE ORDER No. 126
- ADMINISTRAIVE ORDER No. 183

Sectors: Industrial, Commercial, Transport, Households,

**Government Building Sector** 





### 2. Previous REGULATORY Policies/Framework

- **Energy Conservation Law** (1980 1990)
  - BP 73 (June 11, 1980): An Act to further promote Energy Conservation and for other purposes [1980 - 1985]
  - BP 872 (June 10, 1985): An Act amending sections ten and fourteen of BP 73 [ Extending BP [Empowerment of Ministers of various Ministries to perform certain acts; and, extension of enforcement of BP 73 for another 5-year period (1985-1990)].
- Department Circular 95-08-007 (August 2, 1995): Instituting Demand Side Management by Electric Utilities (DSM Order)





ENERGY EFFICIENCY AND CONSERVATION DIVISION



- 1. Passage of Enercon Bill into Law
- 2. Accreditation of Energy Manager
- 3. Energy Management Standard based on ISO Framework
- 4. Expand Labeling Program to include Road Transport Vehicles
- 5. Establish Energy Benchmark in Industries and Buildings
- 6. Full implementation of Energy Conserving Design in Building and Utility System
- 7. Sustainable Awareness Campaign in the Commercial, Industrial, Residential and Transport sectors
- 8. Improvement of Heat Rates in Power Plants and Systems Loss in the Distribution Line
- 9. Promote Green Building

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10. Reactivate implementation of Demand Side Management (DSM)



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