# Progress on the Philippines' Energy Efficiency and Conservation Roadmap



Ву

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## **ENERGY EFFICIENCY AND CONSERVATION ROAD MAP (2012-2030)**

#### GOAL: Energy savings equivalent to 10% across energy demand sectors

- ✓ National Energy Efficiency and Conservation Program (NEECP)
- ✓ Passage of Energy Efficiency and Conservation Bill into Law
- ✓ Implementation of Energy Management System based on ISO 50001 framework (DOE-UNIDO/GEF Philippine Industrial Energy Efficiency Project)
- ✓ Implementation of Philippine Energy Efficiency Project through Loan proceeds from ADB

- ✓ Full implementation of EE&C Law
- ✓ Expansion of Standard and Labeling Program (Home appliances and Passenger cars & light duty vehicles)
- ✓ Capacity building for Energy Managers and Energy Auditors
- ✓ Development of Energy Efficiency Guidelines for Residential Buildings
- ✓ Development of Energy Consumption Benchmark for Commercial, Industrial and Government Building Sectors

- ✓ Enhancement of NEECP Program
- ✓ Review and Updates EE&C Policies

2012

2015

2020

2030

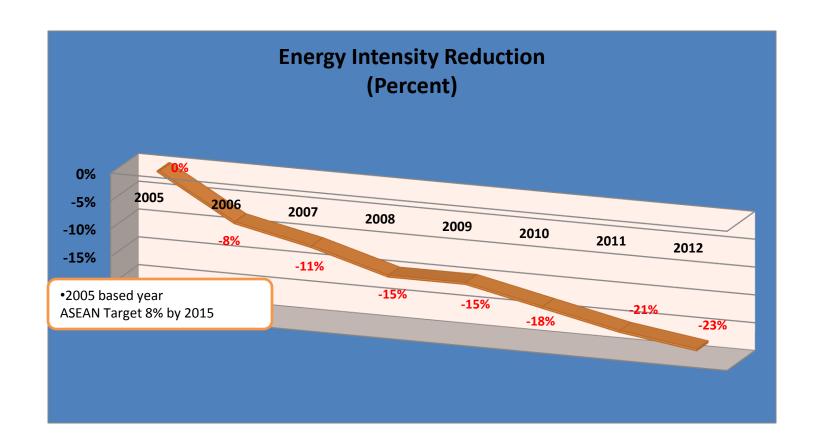
Short Term Target (2013-2016):

ANNUAL AVE. ENERGY SAVING = 5,597 KTOE/Yr.

ANNUAL AVE. DEFERRED MW CAPACITY = 1,711 MW/Yr.

ANNUAL AVE. EMISSION REDUCTION EQUIVALENT = 10.6 KTCO2 / Yr.







## **Short Term Target (2013 – 2016)**

Year	Energy Saving (KTOE)	Deferred Capacity (MW)	CO2 Avoidance (Million Tons)
2012	4,350	1,341	8.2
2013	4,785	1,475	9.1
2014	5,264	1,622	10.0
2015	5,790	1,784	11.0
2016	6,369	1,963	12.1



# UPDATES ON ENERGY EFFICIENCY AND CONSERVATION POLICIES

## Government Energy Management Program (GEMP)

ADMINISTRATIVE ORDER NO. 110 - DIRECTING THE INSTITUTIONALIZATION OF A GOVERNMENT ENERGY MANAGEMENT PROGRAM (GEMP)

The Government shall aim to reduce its monthly consumption of electricity (in kilowatt-hours) and petroleum products (in liters) by at least ten percent (10%)

Aimed at reducing the monthly consumption of electricity and transport petroleum products by all government offices by at least 10%

by at least 10%

Savings from Sept 2005 to Mar 2013: Php 2 Billion (US \$46.5 Mil)

- PhP 1.7 Billion on electricity
- PhP 274 Million on Fuel

## Energy Efficiency and Conservation Bill

SENATE BILL NOS.: 1085 and 167

Introduced by: HON. SERGIO R. OSMEÑA and Hon.

**TEOFISTO GUINGONA, Jr.** 

**ENERGY EFFICIENCY AND CONSERVATION ACT OF 2013** 

"AN ACT INSTITUTIONALIZING ENERGY EFFICIENCY AND CONSERVATION, ENHANCING THE EFFICIENT USE OF ENERGY, AND GRANTING INCENTIVES TO ENERGY EFFICIENCY AND CONSERVATION PROJECTS, AND FOR OTHER PURPOSES".

### **Energy Consumption Monitoring**

#### **DEPARTMENT CIRCULAR - 93-03-05**

To all Industrial, Commercial and Transport Sectors: Establishments consuming 1 million LOE annually are required to submit Quarterly Energy Consumption Report (QECR) to DOE. In addition, establishments consuming 2 million LOE, apart from the QECR are required to submit an Annual Energy Conservation Program Report (AECPR).



#### FY 2012 Generated Saving:

56 million liters of oil equivalent (LOE) and monetary savings of Php 2.2 billion and more than 90 million kilograms of avoided carbon dioxide from 43 commercial and industrial establishments

## Thank You ...

