

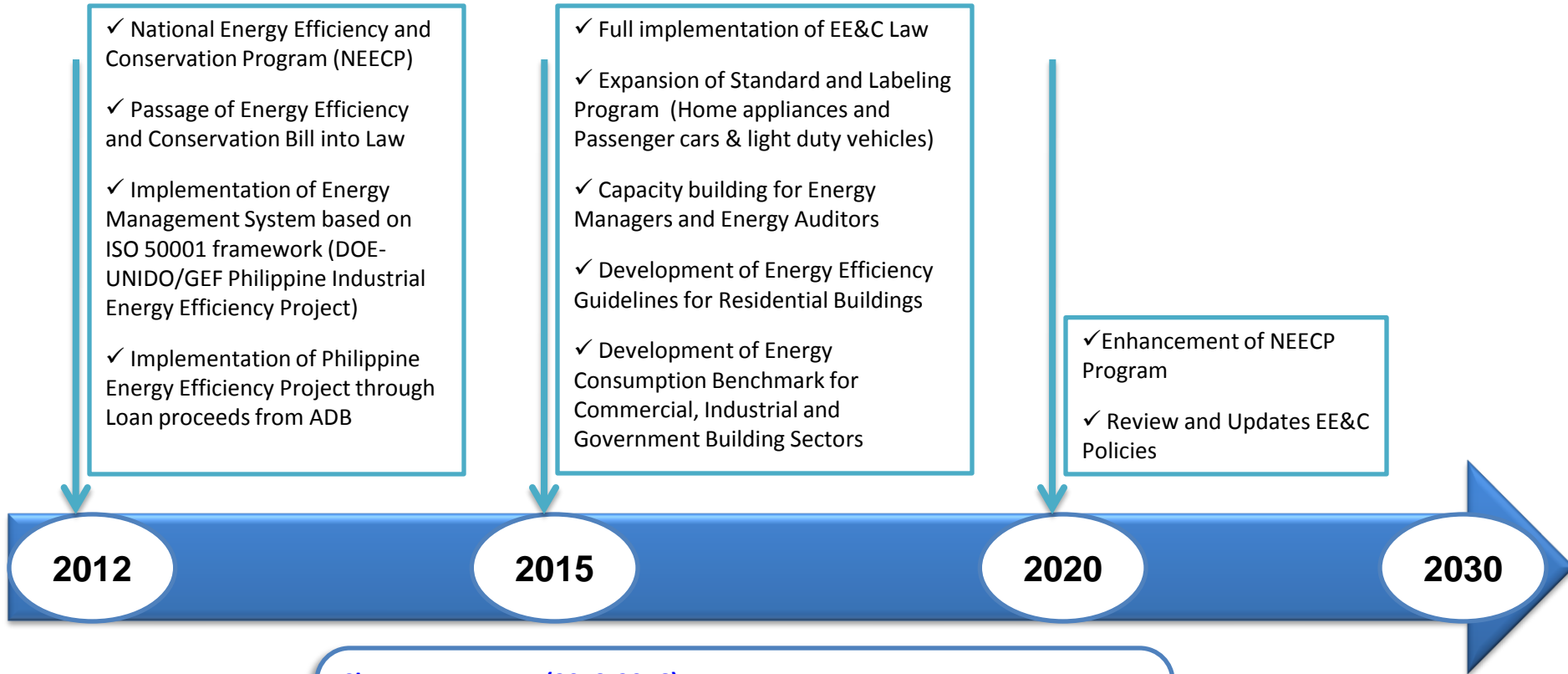
# Progress on the Philippines' Energy Efficiency and Conservation Roadmap



By  
Director **JESUS C. ANUNCIACION**  
Energy Utilization Management Bureau  
Department of Energy, Philippines

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

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



## Short Term Target (2013-2016):

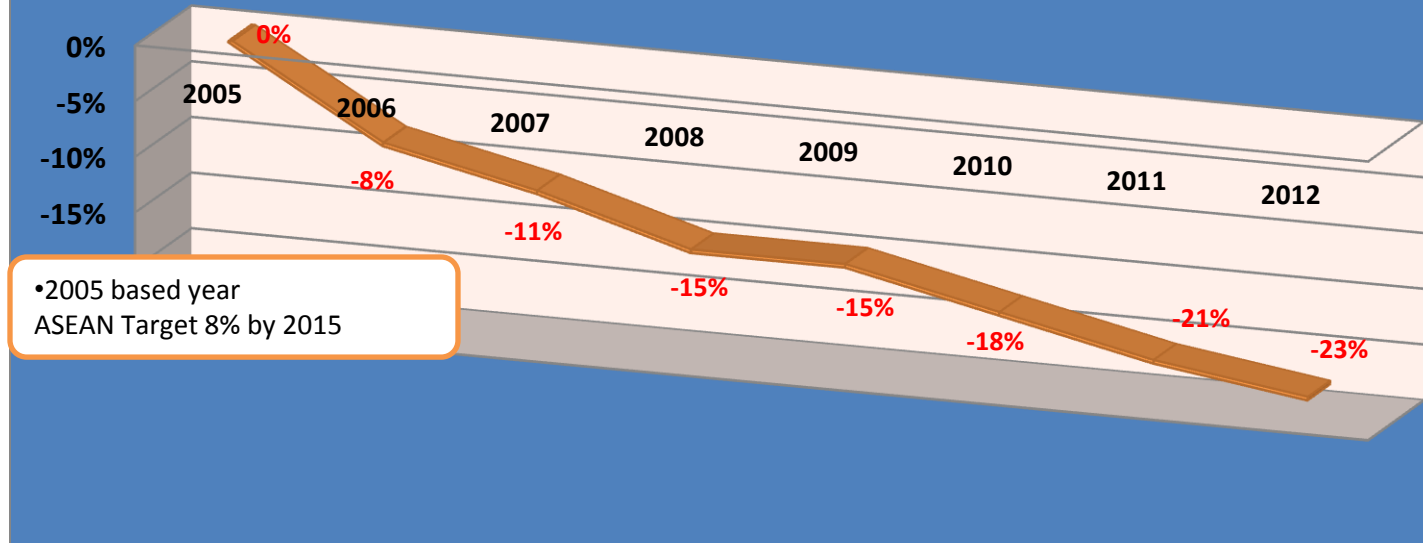
**ANNUAL AVE. ENERGY SAVING = 5,597 KTOE/Yr.**

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

**ANNUAL AVE. EMISSION REDUCTION EQUIVALENT = 10.6 KTCO<sub>2</sub> / Yr.**



## Energy Intensity Reduction (Percent)



**BRIGHT NOW!**  
DO RIGHT. BE BRIGHT.



## Short Term Target (2013 – 2016)

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



# 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%**



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".***



**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

## 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).

# Thank You ...

