

APERC Workshop, Washington D.C. 5 November 2012

4. APEC PREE Phase 3 in the Philippines

Elvira Torres-Gelindon Asia Pacific Energy Research Centre



Asia-Pacific Economic Cooperation



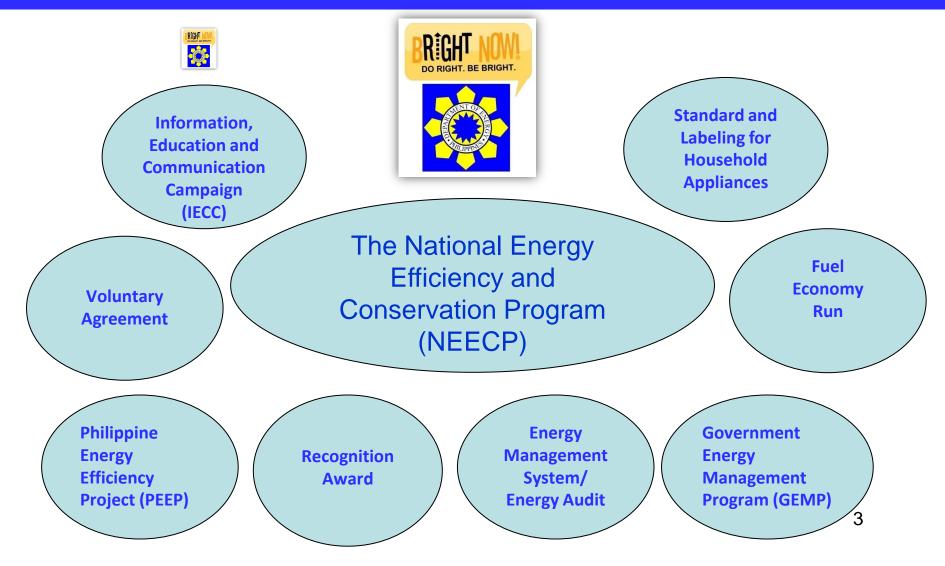
Outline of Presentation Part 1: Overview of the Philippines EE&C

- Key Findings
 - The National Energy Efficiency and Conservation Program (NEECP)

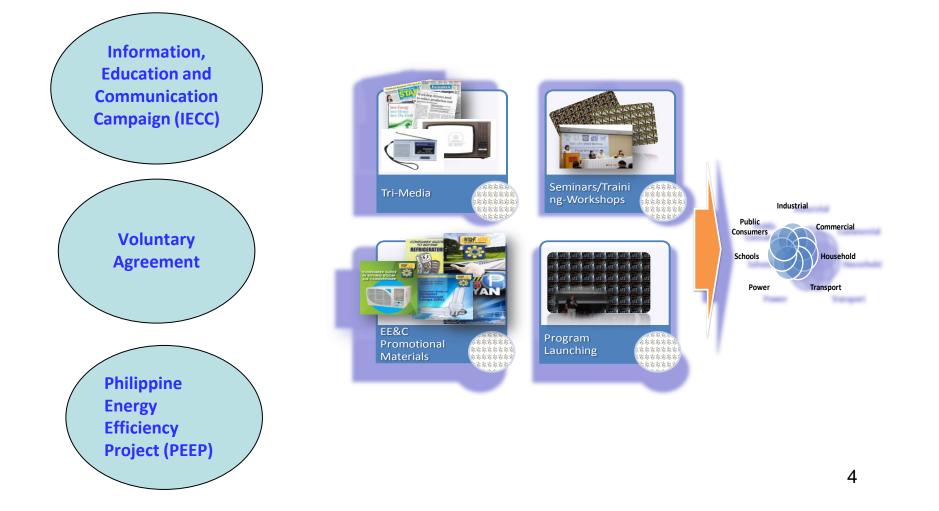
Part 2: Philippines PREE Report

- Recommendations
- **The PREE Team Members**











Standard and Labeling for Household Appliances



SINGER	PHILIPPINES INC.
Brand : SINGER	Rated Voltage : 230 volts
Model : REF 178A	Rated Current : 0.90 ampere
Type : ONE DOOR	Rated Frequency : 60 hertz
Total Storage Volume : 196 I	iters Energy Consumption:0.84 kW-h/24h
Rated Power Input : 116 v	watts
(ENER	IGY GUIDE
REFRIGERAT	ORS AND FREEZERS EFFICIENCY FACTOR 246 Inderd test condition) earns lower operating cost
ENERGY	EFFICIENCY FACTOR
	.
	246 🛛 🖀
4	
(At star	ndard test condition)
higher FEE m	eans lower operating cost
and the second	
 A state of the sta	t of this model will be approximately:
Energy Consumption X	Energy Cost Cost of Operation (Pesos/kW/h) = (Pesos per 24h)
(KW-h/24h)	
(##),	
CENTINE	
Product Quality	
	BEL BEFORE CONSUMER PURCHASE
IS A VIOLATION	OF REPUBLIC ACT NO. 7394
	dealer or write / call the Department of Energy, Fuels and IOC-ERD compound, Commonwealth Avenue, Diliman
	s. \$23-54-43, 927-72-01 pr. Fax 929-54-74

Brand Name :			
Model/Type :			
Wattage Rating :			
Lamp Specifications *			
Light	900		
Output	lumens		
Power	15		
Consumption	watts		
consumption	watto		
Efficacy	60		
	lumens		
	per watts		
Average	8,000**		
Life	hours		
For lamps of similar			
	light output, higher		
efficacy means			
more energy savings			
* when tested at standard test conditions ** rated average life at 50% failure			
and the second s			
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PRILIPPINES	IL IPPINES		



Government Energy Management Program (GEMP)







- Institutional Context
- Energy Efficiency Goals, Targets and Strategy
- Energy Data Collection and Monitoring

- 3 Recommendations
- 10 Recommendations
 - 2 Recommendations
- Policy Measures (Sectoral Analysis)
 - ✓ Industry Sector
 - ✓ Electricity Sector
 - ✓ Other Sector
 - ✓ Transport Sector

- 5 Recommendations
- 5 Recommendations
 - 6 Recommendations
 - 5 Recommendations



Energy Management

- 8 Recommendations
- Mechanism and Training
- Appliances and Equipment 10 Recommendations





The Experts' Recommendations

- Create an energy efficiency framework that is focused on the lowincome people of the Philippines;
- Set individual sector goals and develop a more robust energy consumption data base;
- Feedback mechanism for information campaign;
- Encourage more industries for energy efficiency and conservation program be part of their own strategies; instead of voluntary make it mandatory;
- Enhance the introduction of electric vehicles which can be coupled with efforts to minimize upstream emissions from electricity generation, through measures taken in the energy sector; 11



The Experts' Recommendations

- Strengthen benefits in the sector through the introduction of fuel economy standards, financial (tax) incentives that would favor energy efficient vehicles, transport demand management;
- Strong recommendation for the passage of Energy Conservation Bill



The PREE Team Members

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- IWAN RUSTANDI, Engineer PT. Energy Management Indonesia (Persero), Indonesia



(Team Members continued)

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- ASRUL SANY HAJI MOHAMMAD ALI, Chief Technical Assistant, Energy Efficiency & Conservation Unit, Energy Department at the Prime Minister's Office, Brunei Darussalam
- BING-CHWEN YANG, Team Leader, Asia Pacific Energy Research Centre (APERC), Japan
- ELVIRA TORRES-GELINDON, Senior Researcher, Asia Pacific Energy Research Centre (APERC), Japan



The PREE News



APEC Reviews RP Energy Efficiency

By MYRNA M. VELASCO

A peer review is being undertaken by the Asia Pacific Economic Cooperation (APEC) to assess the performance of the Philippines on its energy efficiency (EE) programs and policy initiatives.

A statement from the Department of Energy (DOE) said the process, which is done under the auspices of the AFEC Peer Review on Energy Efficiency (PEEE will run from February 6 to 12. It will basically poreover the developments and hurdles being encountered in the Philippines Energy Efficiency and Conservation (EE&C) Program. Energy Underscertary Loreta G.

Energy Undersecretary Loreta G. Ayson acknowledged that the five-day program "will let the DoE showcase its past, current and future EE& C programs."

At this point though, she emphasized that achieving long-term benefit of the program, such as injecting lifestyle change on end-users, is still an "uphill battle".

"Changing old habits," she noted, "will be the most critical component of the government's information and education campaign (IEC) – being one of the core components of the EE program."

"We have to become diligent in spreading the benefits and advantages of becoming more energy efficient," Ayson said.

The APEC peer review of the EE initiatives has been anchored on a declaration made in Sydney, Australia in 2007 – aiming to attain a regionwide energy intensity reduction of at least 25 percent by 2030. The program, the DOE said, en-

The program, the DDE state, encourages "all APEC economies to set individual goals and action plans for improving energy efficiency, and review progress through the volüntary APEC Energy Peer Review Mechanism."

While going through the process, A Energy Secretary Rene D. Almendras G

enthused that "we should be humble enough to accept ideas from a broad spectrum of individuals in realizing our developmental goals as this will allow us to craft better policies and programs which will help the country in the long run." The Philippine target will be to

The rimpine target will be to generate annual savings of 3,455 KTOE and around 8.95 million tons of carbon dioxide avoidance from 2010 to 2030 with an active participation from the private sector: The main objectives of the pro-

The main objectives of the program, the energy department reiterated, are centered on information sharing relative to energy efficiency performance and policies among member-conomies.

It is similarly hoped that such will provide "opportunities for learnling from other member-economies" as well as in exploring how energy efficiency? soverall sectoral goals and action plans can be effectively formulated.

The process also delves into monitoring progress toward attaining energy efficiency goals and providing recommendations for voluntary implementation.

The team deployed for the Philippine review of E2 program composed of: Kenji Kobayashi, president of the Asia Pacific Energy Research Center (APERC); APERC Team Leader Dr. Bing-Chwen, Yang; Brian Castelli, executive vice president for programs and development of Alliance to Save Energy in Washington DC; Iwan Rustandi, engineer of PT Energy Management Indonesia; Dr. Chin-Chung Wu, Planning Division chief of Taiwan Power Company's Depart. Rather Market Market Department and Alternative Energy Development and

Alternative Energy Development and Efficiency of Thailand's Ministry of Ionergy, Asrul Mohammad All, chief technical assistant of Brunel Darussalam's Department of Energy; and APERC Senior Researcher Elvira T. to folia



UNIQLO, JAPAN'S POPUL UNIQLO brand in the Ph with the SM Group, on Fe Philippines, Inc., and N Director, UNIQLO Asia, &



Retail Act, each retail outlet required with a minimum in of \$830,000 or an estimate ment of \$16.6 million for 20 Otoma, who admitted tha

Is their women's products are p by in the Philippines, said that 1 may increase their sourcin country as the company exp reach and demand for its p improves.

y He said that such move w only mean supplying to its Pistores but to support its expad other countries in the region "Basically, we want to be in all of the 10 ASEAN count we want to get into the six c

Loans... (Cont'd from page B-1)

f November's 22.5 percent. In RRPs, lending decreased percent from end-Novembe of percent.

d BSP noted that the lo production activities, bulk of t loan portfolio, went up by 20.1 in December to 72.541 trillio d consumer loans grew 17.3 f to 7225.566 billion. Both the tion loans and consumer loan



APEC Peer Review on Energy Efficiency in Thailand

Thank you very much for your kind attention.

APERC www.ieej.or.jp/aperc