

2011/SOM1/EWG/EGEEC/013 Agenda: D2 4

## Economy Update – Chinese Taipei

Submitted by: Chinese Taipei



37<sup>th</sup> Expert Group on Energy Efficiency and Conservation Meeting Washington, D.C., United States 28 February - 2 March 2011









## The Voluntary Energy Labeling Program

Benchmarks for Energy Label Products(31 product Categories)

Year	Categories			
2001	(1)air-conditioners (2) refrigerators (3) dehumidifiers (4) clothes dryers			
2002	(5)TVs (6) clothes washers (7) electric (8) fans, fluorescent lamps ( $\geq$ 32 W)			
2003	(8)fluorescent lamps ( < 32W) (9)hair dryers (10) hand dryers			
2004	(11)warm-hot water dispensers (12) chilled-warm-hot water dispensers			
2005	(13) chilled-warm-hot drinking fountains (14) automobiles & light trucks (15) motorcycles (16) self-ballasted fluorescent lamps			
2006	(17) thin film transistor-liquid crystal display (18) instant gas burning water heaters (19) gas burning cooking appliances (20) electric rice cookers			
2007	(21)Electric Storage Water Heaters (effective on Jan. 1, 2008)(22) Electric Pots (23) Exit Lights and Emergency Direction Lights(24) DVD Products			
2008	(25)Warm-hot drinking fountains (26) Luminaries (27) Integrated Stereo			
2009	(28)Compact Fluorescent Lamp			
2010	(29)Printer(new)			
2011	(30) Copier (31) Air Cleaner (new)			
4669 Ener on Feb. 21	gy Conservation Labeling certified models with 297 brand names , 2011			
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APEC LED Workshop					
for the Promotion and Application of LED Lighting Technology					
<ul> <li>•Purpose         To echo "The Joint Statement of 2009 APEC Ministers"         <ul> <li>Elimination of trade barriers of the four basic clean energy technologies (such as Wind, Solar, Clean Coal and High-Efficiency Lighting)</li> <li>Strengthen the International Standardization activities, especially in the standards related to energy and environmental issues</li> <li>Key Objectives</li> </ul> </li> </ul>					
<ul> <li>To show how does Chinese Taipei successfully set up the LED lighting standards and contribute to industrial development with LED demonstration cases as well as public works</li> </ul>					
<ul> <li>To share the experiences of promotion and application on LED lighting technology with each others between APEC Member Economies, such as the United States Raileigh driven LED City program, the program of 10000 Street lights 10 cities in mainland China and others.</li> </ul>					
•Time: October 2011					
• Place: Taipei City					
<ul> <li>Budget: Self-funded by BOE, MOEA of Chinese Taipei</li> </ul>					
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	Draft Schedule	د
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Time	Topic	Speaker
8:30 ~ 9:00	Registration	
9:00 ~ 9:20	Open remarks	
	1.	BOE /MOEA
	2.	APEC Secretariat
9:20 ~ 10:40	Keynote Speech	
	1. Policy Incentives for LED Lighting	From MOEA/BOE
	Industry	
	2. Promotion and Application Status of	From ITRI
	LED Lighting Technology – Public Works	
10:40 ~ 11:00	Break	
11:00 ~ 12:30	Speeches	
	1. 10000 Street Lights 10 Cities Program	China
	2. Expo 2010 Shanghai China	
	3. Promotion and Application LED	China
	Lighting Technology	Hong Kong
12:30 ~14:00	Lunch Break	
14:00 ~ 15:30	Speeches	
	4. Application of LED Lighting	Japan
	Technology and Policy Incentives	
	5. Application of LED Lighting	Korea
	Technology and Policy Incentives	
	6.Reileigh LED City Program	USA
15:30 ~ 15:50	Break	
15:50 ~ 17:30	Panel Discussion	8 speakers
		Lead by ITRI
17:30 ~ 17:45	Closing Remarks	BOE/MOEA
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	Prior to the energy management act amended	After the energy management act revised			
The conformity assessment procedures	1. BOE is responsible for setting or amending MEPS BSMI assists to subsume MEPS into The Commodity Inspection Act and to implement the administration	1. BOE enforces the MEPS management and energy efficiency labeling scheme under the authorization of Energy Management Act.			
	of MEPS. (These products have been incorporated into the commodities subject to inspection which should be executed application of inspection, verification, certification, border control and other items.)	<ol> <li>Because the implementation of MEPS management which must refer to border control and the consideration of administrative costs, BOE will be delegated the implementation of related administrative works to BSMI.</li> </ol>			
	2. Application object : manufacturer or importer	3. BOE will add a service of labeling management			
		4. Application object : manufacturer or importer			
Post-market surveillance actions	<ol> <li>BOE and BSMI enforce jointly the post-market surveillance actions under the authorization of Commodity Inspection Act.</li> <li>Application object : manufacturer or importer</li> </ol>	1. BOE enforces the post-market surveillance actions under the authorization of Energy Management Act. (including the accuracy of energy consumption and energy efficiency labeling and the conformity of MEPS)			
		2. Application object : manufacturer or importer and seller			
Related necessary work	<ol> <li>BSMI assists to subsume the energy efficiency (performance) testing methods of products which are designated by BOE into CNS national standards first, and then BOE will announce and implement the MEPS and labeling management later.</li> </ol>				
	<ol> <li>TAF assists to subsume the energy efficiency testing me requirements into the accreditation system first, and th services of energy efficiency. (including the type approv</li> </ol>	en accredited laboratories will implement the inspection			

Article	Scope	Target
The energy utilization facilities or apparatus, which are designated by the central competent authority, manufactured by local manufacturers or imported by merchants for domestic use should conform to the permit standards of energy consumption set up by the central competent authority. Meanwhile, the said facilities or apparatus should be provided with a label which indicates its energy consumption and the energy efficiency. If the designated facilities or apparatus fail to conform to the permit standards of energy consumption, such facilities or apparatus should be prohibited from importing or selling on domestic market. If designated facilities or apparatus fail to put on the label, such facilities or apparatus should be prohibited from display or selling on domestic market. The central competent authority should announce the appropriate MEPS and its monitor method, and the labeling, verification and test method for energy consumption amount and energy efficiency.	<ul> <li>MEPS of designated energy utilization facilities or apparatus</li> <li>Mandatory energy efficiency labeling of designated energy utilization facilities or apparatus</li> </ul>	<ul> <li>Use MEPS to eliminate low energy efficiency products</li> <li>Use Mandatory energy efficiency labeling to lead the customers to choose high energy efficiency products, to achieve save energy and reduce carbon emission target.</li> </ul>



## guidelines of the by law of the compliance program Mandatory Labeling Program

**9.** While conducting inspection of the energy efficiency rating labeling, the Central Competent Authority may conduct <u>annual product sampling and testing</u>; the Central Competent Authority <u>may designate</u> the sampled products and the dealer shall send the product samples to designated testing laboratory within the allowed time.

The energy factor obtained through such testing <u>shall be greater than 95% of the</u> <u>labeled value</u>; if not, the Central Competent Authority shall inform the dealer to conduct retesting. The number of re-tested samples of the product with same product number shall double the number of the first-tested samples, and the dealers shall pay for all costs associated with the re-testing.

If the product re-testing has not been conducted, or not all tested model comply with the stipulated Energy Efficiency Ratio requirements, the Central Competent Authority shall inform the non-complying dealer to conduct corrective actions based on Article 21 of the Energy Management Act within designated period and shall take all relevant follow-up actions against the involved dealer

**10.** In principle, the number of products first sampled and tested shall be decided <u>based</u> on the sales number of the designated model number of the previous year, and one (1) sample shall be tested out of five thousand (5,000) units of such product model sold. If less than 5000 units were sold for that model number in the prior year, one (1) sample shall be tested. Nonetheless, the Central Competent Authority may change the sampling ratio based on actual needs.

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