

43rd EGEE&C Meeting

9 – 11 April 2014

Economy Updates on EE&C
Policies & Programmes

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EE&C Related Policies

- Policy Address
 - Combating Climate Change and Global Warming through emission reduction strategy
 - Suggested emission reduction measures through wider use of cleaner energy
 - Enhancing energy efficiency
 - Energy efficiency for buildings
 - Energy-efficient products



Energy Efficiency of Buildings

- Mandatory implementation of Building Energy Code and Energy Audit Code
 - Buildings account for about 90% electricity consumption in Hong Kong
 - Buildings Energy Efficiency Ordinance was enacted in November 2010
 - Full operation in September 2012
 - Minimum energy efficiency standards and requirements for 4 key types of building services installations, covering air-conditioning, electrical, lighting and lift & escalator
 - For new buildings and existing buildings undergoing major retrofitting works

<http://www.beeo.emsd.gov.hk/>



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繁體

简体

《建築物能源效益條例》 The Buildings Energy Efficiency Ordinance



空調裝置
Air-conditioning installation



電力裝置
Electrical installation



升降機及自動梯裝置
Lift & escalator installation



照明裝置
Lighting installation





Energy Efficiency of Buildings

- Mandatory implementation of Building Energy Code and Energy Audit Code
 - For new buildings, expected energy saving of 2.8 billion kWh achievable in first decade (i.e. carbon dioxide emission reduction by 1.96 million tonnes)
 - Compliance registration every 10 years for new buildings
 - Energy audit for 4 key types of central building services installations in commercial buildings and commercial portion of composite buildings once every 10 years



Energy Efficiency of Buildings

- Government to lead by examples
 - Target-based green performance framework for new and existing Government buildings
 - Compliance with Building Energy Codes
 - Demonstration of state-of-the-art energy-efficient designs and technologies
 - Energy audits at Government venues



Energy Efficiency of Buildings

- Buildings Energy Efficiency Funding Schemes (BEEFS)- \$450 million
 - Subsidy for communal areas of residential, commercial and industrial buildings
 - Energy-cum-carbon audits
 - Energy efficiency improvement of building services installations
 - From April 2009 to April 2012
 - Subsidy up to 50% of expenditure
 - Over 1100 projects have been approved
 - Estimated electricity saving around 180 million kWh per year (i.e. reduce CO₂ around 125,000 tonnes a year)



Energy Conservation and Use of Energy Efficient Products

- Mandatory Energy Efficiency Labelling Scheme (MEELS)
 - Energy Efficiency (Labelling of Products) Ordinance (EELPO)
 - Enacted in May 2008
 - 1st Phase full operation in November 2009
 - Energy label for room air conditioners, refrigerating appliances and compact fluorescent lamps
 - Estimated electricity saving around 150 million kWh per year (i.e. reduce CO₂ by around 105,000 tonnes a year)



Energy Conservation and Use of Energy Efficient Products

- Mandatory Energy Efficiency Labelling Scheme (MEELS)
 - 2nd Phase MEELS to cover two more appliances by amendment to EELPO
 - 1) Washing machines and 2) dehumidifiers
 - Full operation in September 2011
 - Estimated additional electricity saving of around 25 million kWh per year (i.e. CO₂ reduction by around 17,500 tonnes a year)

<http://www.energylabel.emsd.gov.hk/en/mainpage.html>



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Other Ongoing EE&C Programmes

- Energy Efficiency Registration Scheme for Buildings (voluntary BECs)
- Scheme for Wider Use of Fresh Water in Cooling Tower of Air Conditioning Systems
- District Cooling System (DCS) in progress
- Voluntary Energy Efficiency Labelling Scheme
- Publicity and Public Education

http://www.emsd.gov.hk/emsd/eng/pee/eels_vlntry.shtml

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Home> Promoting Energy Efficiency and Conservation [無標題] Voluntary Energy Efficiency Labelling Scheme

Voluntary Energy Efficiency Labelling Scheme

To make it easier for the public to choose energy efficient products, EMSD operates a voluntary Energy Efficiency Labelling Scheme for appliances and equipment used both at home and office as well as for vehicles. The scheme aims to save energy by informing potential customers of the products level of energy consumption and efficiency rating, so that buyers can take these factors into consideration when making their purchasing decision.

The scheme now covers twenty one types of household appliances and office equipment. Twelve types of which are electrical appliances including refrigerators (Voluntary Scheme), washing machines (Voluntary Scheme), non-integrated type compact fluorescent lamps, dehumidifiers (Voluntary Scheme), electric clothes dryers, room coolers (Voluntary Scheme), electric storage water heaters, television sets, electric rice-cookers, electronic ballasts, LED lamps, and induction cookers. The seven types of office equipment include photocopiers, fax machines, multifunction devices, printers, LCD monitors, computers and hot / cold bottled water dispensers. The scheme also covers two types of gas appliances including domestic gas instantaneous water heaters and gas cookers. The scheme has also been extended to cover petrol passenger cars.



EMSD has extended the voluntary Energy Efficiency Labelling Scheme (EELS) to cover gas cooker with effective from 14 November 2013.

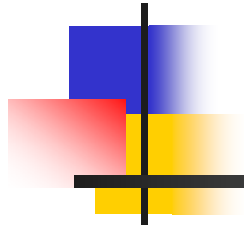
To further facilitate the public in choosing energy efficient appliances and raise public awareness on energy saving, the Government has introduced a Mandatory Energy Efficiency Labelling Scheme (MEELS) through the Energy Efficiency Labelling (Labelling of Products) Ordinance, Cap. 598.

The MEELS covers five types of products, namely room air conditioners, refrigerating appliances, compact fluorescent lamps, washing machines and dehumidifiers. The Voluntary Energy Efficiency Labelling Scheme for room coolers, household refrigeration appliances, washing machines and dehumidifiers shall cover only the type of products not regulated under the Ordinance.

2014-15 Budget

ATV and TVB

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Thank you !

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