

# Economy Updates on EE&C Policies & Programmes



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- EE&C Related Policies
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- Other Ongoing EE&C Programmes



# EE&C Related Policies

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- 2009-10 Policy Address
  - Low carbon economy
    - Reduce energy intensity of Hong by at least 25% by 2030, with 2005 as baseline
    - Reduce carbon emissions through use of clean fuel and improved energy efficiency
      - Energy efficiency for buildings and products



# Energy Efficiency of Buildings

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- Mandatory implementation of Building Energy Codes
  - Buildings Energy Efficiency Bill introduced into Legislative Council on 9 Dec 2009 for vetting
  - Minimum energy efficiency standard for buildings
  - Buildings account for 89% electricity consumption in Hong Kong
  - For new buildings and existing buildings undergoing major retrofitting works



# Energy Efficiency of Buildings

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- Mandatory implementation of Building Energy Codes
  - For new buildings, energy saving of 2.8 billion kWh achievable in first decade (i.e. carbon dioxide emission reduction by 1.96 million tonnes)
  - Energy audit for common areas of commercial buildings and commercial portion of composite buildings once every 10 years



# Energy Efficiency of Buildings

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- Government to lead by example
  - Target based environmental performance framework for new and existing government buildings
    - Joint circular by Development Bureau & Environment Bureau issued in April 2009
    - Framework on energy efficiency, GHG reduction, RE application, waste reduction, water management, and IAQ
    - All newly built government buildings over 10,000 sq m to be assessed by environmental performance assessment standards to not lower than the second highest grade



# Energy Efficiency of Buildings

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- Government to lead by example
  - Government projects to demonstrate the state-of-the-art energy efficient designs & technologies
    - A planned new school project
    - A government offices building
  - District cooling system (DCS) for public and private non-domestic buildings in Kai Tak Development area for energy efficient A/C
    - All public developments to connect to DCS
    - Construction commences by around mid 2010 for phase 1 completion by 2013 (tentative)



# Energy Efficiency of Buildings

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- Buildings Energy Efficiency Funding Schemes (BEEFS)- \$450 million
  - Subsidy for communal areas of residential, commercial and industrial buildings
    - Energy-cum-carbon audits
    - AA&I works to upgrade energy efficiency performance of building services installations
  - Introduced since April 2009
  - Subsidy up to 50% of expenditure





# Energy Conservation and Use of Energy Efficient Products

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- Mandatory Energy Efficiency Labelling Scheme
  - Energy Efficiency (Labelling of Products) Ordinance (EELPO)
    - Effective since 9 November 2009
    - Energy label for room air-conditioners, refrigerating appliances, & compact fluorescent lamps
      - Estimated electricity saving around 150 million kWh per year (i.e. reduce CO<sub>2</sub> by around 105,000 tonnes)



# Energy Conservation and Use of Energy Efficient Products

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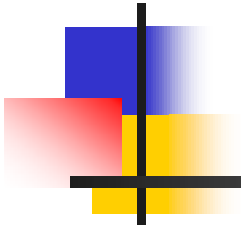
- Mandatory Energy Efficiency Labelling Scheme
  - Proposal to extend MEELS to cover 2 more appliances by amendment to EELPO
    - Dehumidifiers and washing machines
    - Estimated additional electricity saving of around 25 million kWh per year (i.e. CO2 reduction by around 17,500 tonnes)



## Other Ongoing EE&C Programmes

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



Thank you !