

CONTROLLING OFFICER'S REPLY

ENB038

(Question Serial No. 1273)

Head: (42) Electrical and Mechanical Services Department
Subhead (No. & title): (-) Not Specified
Programme: (3) Energy Efficiency and Conservation, and Alternative Energy
Controlling Officer: Director of Electrical and Mechanical Services (CHAN Fan)
Director of Bureau: Secretary for the Environment

Question:

In respect of the energy-saving work for government and public venues, please provide the following information:

- (i) What are the savings in energy and expenditure at various government facilities achieved as a result of the energy-saving projects undertaken by the Government in the past three years?
- (ii) What is the ratio of actual expenditure on acquiring the energy-saving equipment to the cost savings achieved?
- (iii) What are the energy-saving plans and objectives of the Government for the future?

Asked by: Hon WONG Ting-kwong (Member Question No. 59)

Reply:

(i)&(ii)

The Electrical and Mechanical Services Department conducted a total of 115 energy-saving projects for various government departments in the past three years. These projects include the retrofitting of energy efficient lighting and control systems, light emitting diode (LED) exit signs, and energy efficient air-conditioning and control systems, etc. The expenditure incurred on implementation of energy-saving projects by the Department from 2012-13 to 2014-15 is about \$65 million. The estimated total annual energy saving upon completion of the projects is around 9 million kWh. The payback period (i.e., ratio of expenditure to annual energy cost savings) for the relevant projects is around seven years.

- (iii) Regarding energy conservation, the Government has set a target of achieving a 5% saving in electricity consumption under comparable operating conditions as that of 2013-14 for government buildings in the coming five years (i.e., 2015-16 to 2019-20), and will conduct energy audits on major government buildings for further energy-saving opportunities.

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