

**CONTROLLING OFFICER'S REPLY TO  
INITIAL WRITTEN QUESTION**

Head: 42 – Electrical and Mechanical Services Department      Subhead:

Programme: (3) Energy Efficiency and Conservation, and Alternative Energy

Controlling Officer: Director of Electrical and Mechanical Services

Director of Bureau: Secretary for the Environment

Question: Regarding the promotion of energy efficiency and conservation, please provide the following information:

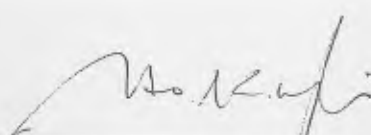
- (a) The project details, the expenditure of each project and the effectiveness of the energy efficiency and conservation projects implemented by the Electrical and Mechanical Services Department (EMSD) for government departments in the past two years (i.e. 2007-08 and 2008-09).
- (b) The expenditure for the energy efficiency and conservation projects to be implemented in the next three years (i.e. 2009-10 to 2011-12).

Asked by: Hon. LI Wah-ming, Fred

Reply:

- (a) EMSD has completed a total of 128 energy-saving projects in the past two years (73 in 2007 and 55 in 2008). The scope of these projects include replacement of general and emergency lighting by more energy efficient lighting such as T5 fluorescent light fittings and Light Emitting Diode (LED) exit signs; retrofitting of air-conditioning plants, lifts and escalators; and use of high efficiency pumps and motors, etc. The total expenditure for implementation of these energy-saving projects in 2007-08 and 2008-09 was about \$43 million each year. The total amount of energy saved from the implementation of those projects that commenced in 2007-08 and 2008-09 will be about 13 million kWh per year when the projects are completed.
- (b) The total expenditure for implementation of energy-saving projects for government departments for 2009-10 is \$177 million. The expenditure for the energy-saving projects to be implemented for government departments in 2010-11 and 2011-12 is yet to be determined.

Signature



Name in block letters

HO KWONG WAI

Post Title

Director of Electrical and Mechanical Services

Date

18 March 2009