

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

ENB057

Question Serial No.

1774

Head: 42 Electrical and Mechanical Services Department Subhead (No. & title):

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:

For the energy-saving projects undertaken for the Government and public bodies, please provide information in accordance with the format below:

	Government Department/ Public Body	Buildings/ Facilities Involved	Electricity and cost saving	Reduction in carbon emission
2010				
2011				
2012				

Asked by: Hon. MO, Claudia

Reply:

During the period between 2010 and 2012, Electrical and Mechanical Services Department has handled a total of 305 energy-saving projects for various government departments and public bodies. These projects involve retrofitting of energy efficient lighting and control systems, light emitting diode (LED) exit signs, and energy efficient air-conditioning and control systems, etc. The estimated total annual energy saving is 27 million kWh, or equivalent to an annual reduction of about 18 900 tonnes of carbon dioxide emission. The breakdown is given in the table below.

Supplementary Notes for ENB057 [SFCQ-1774]

1. The no. of EE projects completed in the past few years are :

2008 (Actual)- 55

2009 (Actual) – 50

2010 (Actual) – 175

2011 (Actual) – 75

2012 (Actual) – 55

2013 (Estimate) – 50

2. The retrofitting of energy efficient lightings and replacement of energy efficient air conditioning systems are the most common types of EE project.

3. In term of financial year, the expenditures and estimated saving for implementation of energy-saving projects in the past few years are as follows:

Financial Year	Expenditure (\$ million)	Energy Saving (million kWh)
2007-08	43.3	7.7
2008-09	38.1	4.9
2009-10	180.1	17.4
2010-11	88.8	6.0
2011-12	58.2	6.6
2012-13	40.3 (revised estimate, subject to the final account)	3.2
2013-14	25.6 (approved estimate)	3.1
Total	474.4	48.9

Remarks: The above information is also given in the reply to another question on Head 137 [SFCQ-2486].

4. Energy saving of 1 million kWh is equivalent to a reduction of 700 tonnes carbon dioxide emission.