

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

**ENB053**

Question Serial No.

4489

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
2011				
2012				
2013				

Asked by: Hon. KWOK Ka-ki

Reply:

During the period between 2011 and 2013, Electrical and Mechanical Services Department has handled / will handle a total of 180 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 12 million kWh, or equivalent to an annual reduction of about 8 400 tonnes of carbon dioxide emission. The breakdown is given in the table below.



**Supplementary Notes for ENB053 [SFCQ-4489]**

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
<b>Total</b>	<b>474.4</b>	<b>48.9</b>

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.