

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

ENB033

Question Serial No.

0295

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. EU Yuet-mee, Audrey

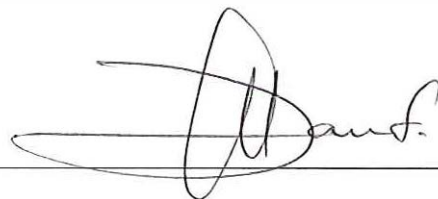
Reply : During the period between 2010 and 2012, Electrical and Mechanical Services Department has handled / will handle a total of 290 energy-saving projects for various government departments and public bodies. These projects involve retrofitting of energy efficient lighting and control systems, light 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.

Year	Government Department/ Public Body	Buildings/ Facilities Involved	Electricity and cost saving #	Reduction in carbon emission
2010	Agriculture, Fisheries and Conservation Department;	art and cultural venues; carpark buildings; court buildings; cooked food centres; dockyards; clinics; community centres; departmental headquarters; fire stations; government offices; government quarters; hospitals; libraries; markets; museums; parks and playgrounds; police stations; prisons; public toilets; recreational centres; regional depots; schools; sewage treatment plants; sports centres; stadiums; swimming pools; town halls etc.	18 million kWh electricity and about \$18 million per annum	About 12 600 tonnes of carbon dioxide per annum
	Architectural Services Department;			
2011	Civil Aviation Department;		5 million kWh electricity and about \$5 million per annum	About 3 500 tonnes of carbon dioxide per annum
	Civil Engineering and Development Department;			
2012*	Census and Statistics Department;	4 million kWh electricity and about \$4 million per annum	About 2 800 tonnes of carbon dioxide per annum	
	Correctional Services Department;			
	Customs and Excise Department;			
	Department of Health;			
	Drainage Services Department;			
	Education Bureau;			
	Environmental Protection Department;			
	Fire Services Department;			
	Food and Environmental Hygiene Department;			
	Government Property Agency;			
	Home Affairs Department;			
	Hong Kong Police Force;			
	Hospital Authority;			
	Immigration Department;			
	Independent Commission Against Corruption;			
	Judiciary;			
	Leisure and Cultural Services Department;			
	Marine Department; and			
	Transport Department.			

* Projects in 2012 are under planning and subject to change.

For calculation of the cost saving, it has been assumed that the average electricity tariff is \$1 per kWh.

Signature: _____



Name in block letters: _____

CHAN Fan

Post Title: Director of Electrical and Mechanical Services

Date: _____

24 February 2012