

**CONTROLLING OFFICER'S REPLY**

<b>ENB075</b>
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**(Question Serial No. 5195)**

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 (Member Question No. 64):

With regard to 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. MO, Claudia

Reply:

During the period between 2011 and 2013, the Electrical and Mechanical Services Department has handled a total of 180 energy-saving projects for various government departments and public bodies. 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 estimated total annual energy saving is 12 million kWh, or equivalent to an annual reduction of about 8 400 tonnes of carbon dioxide emission. A breakdown is given in the table below.

Year	Government Department/Public Body	Buildings/Facilities Involved	Electricity and cost saving <sup>#</sup> per annum	Reduction in carbon emission per annum
2011	Agriculture, Fisheries and Conservation Department;	art and cultural venues;	5 million kWh and electricity cost saving of about \$5 million	3 500 tonnes
	Architectural Services Department;	carpark buildings;		
2012	Civil Aviation Department;	court buildings;	4 million kWh and electricity cost saving of about \$4 million	2 800 tonnes
	Census and Statistics Department;	cooked food centres;		
2013	Correctional Services Department;	dockyards;	3 million kWh and electricity cost saving of about \$3 million	2 100 tonnes
	Customs and Excise Department;	clinics;		
	Department of Health;	community centres;		
	Drainage Services Department;	departmental headquarters;		
	Education Bureau;	fire stations;		
	Environmental Protection Department;	government offices;		
	Fire Services Department;	government quarters;		
	Food and Environmental Hygiene Department;	hospitals;		
	Government Property Agency;	libraries;		
	Government Records Service;	markets;		
	Home Affairs Department;	museums;		
	Hong Kong Police Force;	parks and playgrounds;		
	Hospital Authority;	police stations;		
	Immigration Department;	prisons;		
	Independent Commission Against Corruption;	public toilets;		
	Judiciary;	recreational centres;		
	Leisure and Cultural Services Department;	regional depots;		
	Marine Department;	schools;		
	Transport Department; and	sewage treatment plants;		
	Water Supplies Department.	sports centres;		
		stadiums;		
		swimming pools;		
		town halls;		
		workshops, etc.		

<sup>#</sup> For calculation of cost saving, it is assumed that the average electricity tariff is \$1 per kWh.

Apart from the above projects, there are other minor works and capital works projects with energy efficiency features undertaken by various departments using their allocated resources or project votes for individual capital projects.