

CONTROLLING OFFICER'S REPLY**ENB234****(Question Serial No. 6299)**Head: (42) Electrical and Mechanical Services DepartmentSubhead (No. & title): (-) Not SpecifiedProgramme: (3) Energy Efficiency and Conservation, and Alternative EnergyControlling Officer: Director of Electrical and Mechanical Services (CHAN Fan)Director of Bureau: Secretary for the EnvironmentQuestion:

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
2013				
2014				
2015				

Asked by: Dr Hon KWOK Ka-ki (Member Question No. 219)Reply:

During the period between 2013 and 2014, the Electrical and Mechanical Services Department (EMSD) has conducted a total of 60 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 about 5 million kWh, or equivalent to an annual reduction of about 3 500 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#	Reduction in carbon emission
2013	Architectural Services Department;	art and cultural venues;	3 million kWh and electricity cost saving of about \$3 million	2 100 tonnes
2014	Civil Engineering and Development Department; Department of Health; Drainage Services Department; Fire Services Department; Food and Environmental Hygiene Department; Government Property Agency; Home Affairs Department; Hong Kong Police Force; Judiciary; Leisure and Cultural Services Department; and Transport Department.	carpark buildings; court buildings; clinics; community centres; departmental headquarters; fire stations; government offices; government quarters; markets; parks and playgrounds; police stations; recreational centres; regional depots; sewage treatment plants; sports centres; stadiums; swimming pools; town halls, etc.	2 million kWh and electricity cost saving of about \$2 million	1 400 tonnes
2015*	-	-	-	-

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

*All the energy-saving projects undertaken by EMSD were completed in 2014. Starting from 2015, all the appropriate energy-saving projects are included in minor works and capital works projects, and these projects are funded by resources allocated to their respective project votes and carried out by the relevant works departments.

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