

CONTROLLING OFFICER'S REPLY**ENB241****(Question Serial No. 5331)**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 renewable energy 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
2012				
2013				
2014				

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
2012				
2013				
2014				

Asked by: Hon KWOK Ka-ki (Member Question No. 169)Reply:

In promoting the application of renewable energy (RE), the Government follows the Technical Circular on "Adoption of Energy Efficient Features and Renewable Energy Technologies in Government Projects and Installations" in incorporating RE facilities in all public works projects where technically feasible and cost effective, having regard to the actual site conditions of the works project concerned. Examples include the solar water heating system at Castle Peak Hospital, the photovoltaic system and small wind turbines at Sing Yin Secondary School, and the photovoltaic system and solar water heating system at

the Cruise Terminal Building. As these projects are funded by the provision for individual capital works projects, there is no need for the Electrical and Mechanical Services Department (EMSD) to allocate separate resources for their implementation.

During the period between 2012 and 2014, EMSD has conducted a total of 115 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 9 million kWh, or equivalent to an annual reduction of about 6 300 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 per annum	Reduction in carbon emission per annum
2012	Agriculture, Fisheries and Conservation Department; Architectural Services Department; Civil Aviation Department; Civil Engineering and Development Department; Customs and Excise Department; Department of Health; Drainage Services Department; Education Bureau;	art and cultural venues; carpark buildings; court buildings; cooked food centres; clinics; community centres; departmental headquarters; fire stations;	4 million kWh and electricity cost saving of about \$4 million	2 800 tonnes
2013	Environmental Protection Department; Fire Services Department; Food and Environmental Hygiene Department; Government Property Agency; Government Records Service; Home Affairs Department; Hong Kong Police Force; Judiciary;	government offices; government quarters; libraries; markets; museums; parks and playgrounds; police stations; public toilets; recreational centres; regional depots; schools; sewage treatment plants; sports centres; stadiums; swimming pools; town halls; workshops etc.	3 million kWh and electricity cost saving of about \$3 million	2 100 tonnes
2014	Leisure and Cultural Services Department; Transport Department; and Water Supplies Department.		2 million kWh and electricity cost saving of about \$2 million	1 400 tonnes

Apart from the above projects, there were other minor works and capital works projects adopting energy efficient features funded by resources allocated to the departments concerned or project votes for individual capital works projects.

- End -