

CONTROLLING OFFICER'S REPLY**ENB235****(Question Serial No. 4924)**

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:

Please provide in table form information on how much electricity was consumed by the Central Government Offices, various Government Offices and departmental headquarters over the past three years. Does the Government have any intention to adopt measures to reduce unnecessary electricity consumption?

What were the plans and details, manpower and expenditures involved, and the savings achieved with regard to the energy-saving projects undertaken by the Department for the Government and public bodies over the past three years?

What are the plans and details of the energy-saving projects to be undertaken for the Government and public bodies in the year ahead?

Asked by: Hon CHAN Chi-chuen (Member Question No. 176)

Reply:

- (i) The respective total electricity consumption of government buildings in the three financial years from 2012-13 to 2014-15 are as follows:

Year	Total Electricity Consumption of Buildings (kWh)
2012-13	1422 million
2013-14	1411 million
2014-15*	data collection in progress

*The total electricity consumption of government buildings in 2014-15 is not yet available as data collection is still in progress.

The Government has always been taking various energy conservation measures including the installation of equipment with high energy efficiency and implementation of energy-saving housekeeping measures, such as maintaining the air-conditioning temperature at 25.5 degree Celsius, turning off lightings and computers when not in use, and switching off some of the lifts during off-peak hours

etc., in order to reduce unnecessary electricity consumption and enhance the energy efficiency of public buildings.

- (ii) The Electrical and Mechanical Services Department conducted a total of 115 energy-saving projects for various government departments in the past three years. 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 expenditure incurred on the implementation of energy-saving projects by the Department from 2012-13 to 2014-15 is about \$65 million. The estimated total annual energy saving upon completion of the projects is around 9 million kWh. The work generated was absorbed by existing manpower and we do not have a breakdown of the manpower involved.
- (iii) Regarding energy conservation, the Government has set a target of achieving a 5% saving in electricity consumption under comparable operating conditions as that of 2013-14 for government buildings in the coming five years (i.e., 2015-16 to 2019-20), and will conduct energy audits on major government buildings for further energy-saving opportunities.

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