

CONTROLLING OFFICER'S REPLY

ENB073

(Question Serial No. 0509)

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. 23):

With regard to research studies on application of innovative energy efficiency technologies, three studies were completed in 2013-14. What are the expenditure, details and findings of these studies? On the three studies planned for 2014-15, what are the establishment and expenditure involved? What are the progress and estimated completion time of these studies?

Asked by: Hon. LO Wai-kwok

Reply:

In 2013-14, the expenditure of completed research studies on application of innovative energy efficiency technologies was \$0.2 million. These studies include light emitting capacitor (LEC) exit sign, low loss electromagnetic ballast and variable speed room air conditioner. The findings of these studies show that the technologies have good energy saving performance and are suitable for local application. We will disseminate information of the relevant technologies through newsletters and the internet.

In 2014-15, we plan to conduct three application studies on, namely high efficiency chillers, energy-efficient system for lifts and high energy efficiency lighting technology. The estimated expenditure of these studies is \$0.3 million. The work incurred will be absorbed by existing manpower and so there is no separate breakdown on manpower involved. The relevant application studies will commence in April 2014 and are expected to be completed in 2014-15.