

**CONTROLLING OFFICER'S REPLY**

**ENB036**

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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:

Regarding research studies on application of innovative energy efficiency technologies, what are the expenditure and establishment involved and the research details of the 3 studies in 2016-17; and what are the estimated provision for and the objective and content of the studies in 2017-18?

Asked by: Hon LO Wai-kwok (Member Question No. 25)

Reply:

In 2016-17, the expenditure of the 3 completed application studies was \$0.15 million. These studies include light emitting diode (LED) lighting application, optimisation of air-conditioning system and heat pump application. The findings of these studies show that LED and heat pump technologies have good energy saving performance and optimisation of air-conditioning system can improve energy efficiency. These 3 technologies are suitable for further promotion for local application.

In 2017-18, we will conduct 3 application studies, namely cogeneration and trigeneration, LED driver and variable speed window-type room air conditioners. 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.

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