

**CONTROLLING OFFICER'S REPLY**

**ENB239**

**(Question Serial No. 6003)**

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 the work of the Electrical and Mechanical Services Department on energy efficiency and conservation, and alternative energy, please provide the following information:

- a) What were the details, results, expenditures and manpower resources involved in the establishment and updating of the energy end-use database by the Government in each of the past three years?
- b) Did the Government carry out any specific studies on high energy-consumption in the past two years to come up with methods and measures to enhance energy conservation and energy efficiency? If yes, what were the work details and schedule, expenditures and manpower resources involved, and results obtained?
- c) Regarding liaison with the Mainland, regional and international organisations on energy related issues, what were the work details, expenditures and manpower resources involved, participating principal officials, and effectiveness achieved in each of the past two years?

Asked by: Hon CHAN Ka-lok, Kenneth (Member Question No. 172)

Reply:

- a) Up-to-date energy related data have been collected by the Electrical and Mechanical Services Department (EMSD) in the past three years for processing, analysis and compilation eventually as the annually published Hong Kong Energy End-use Data for public reference. As staff responsible for the task also took up other duties concurrently, we do not have a breakdown on the expenditures and manpower involved.
- b) Buildings account for about 90% of total electricity consumption in Hong Kong. To enhance the energy efficiency of central building services installations in buildings and electrical products, EMSD has fully implemented the Buildings Energy Efficiency Ordinance and the Energy Efficiency (Labelling of Products) Ordinance. We had been studying measures to further enhance energy efficiency and upgraded the minimum

energy efficiency standards of lighting installations specified under the Building Energy Code by 10 to 15% in 2014. Moreover, we also completed the review of the Code of Practice on Energy Labelling of Products so as to raise the energy efficiency grading standards of room air conditioners, refrigerating appliances and washing machines. The estimated annual energy saving was about 300 million kWh. As the measures are an integral part of our enforcement of the above-mentioned Ordinances, there is no separate breakdown on the expenditures and manpower involved.

- c) EMSD has been keeping abreast of the worldwide development in energy efficiency and conservation and has established contacts with various international and Mainland organisations. The major ones include the Asia Pacific Economic Cooperation (APEC), the General Administration of Quality Supervision, Inspection and Quarantine (AQSIQ) on the Mainland, etc. EMSD maintains close liaison with these organisations and participates in the regular working meetings under the Energy Working Group of APEC and its associated expert groups, and the AQSIQ for exchange of information on the development of energy efficiency issues and sharing of experiences to keep abreast of the latest international development in energy issues. These meetings are mainly attended by the professional staff of EMSD. EMSD also sent staff to join the 11th APEC Energy Ministerial Meeting attended by the Secretary for the Environment in 2014. The expenditures involved in EMSD's overseas duties for participation in relevant meetings in 2013-14 and 2014-15 were both about \$0.3 million. As the officers concerned also handled other duties concurrently, there is no separate breakdown on the manpower involved.

- End -