

CONTROLLING OFFICER'S REPLY**ENB078****(Question Serial No. 5057)**

Head: (42) Electrical and Mechanical Services Department

Subhead (No. & title): (603) Plant, vehicles and equipment

Programme: (-) Not Specified

Controlling Officer: Director of Electrical and Mechanical Services (CHAN Fan)

Director of Bureau: Secretary for the Environment

Question (Member Question No. 112):

With regard to the replacement of air conditioning systems with high efficiency chillers at five government venues under the subhead, please advise members of this Committee:

- 1) The estimated completion dates of these five projects and the estimated payback period of each project;
- 2) The estimated annual electricity cost saving for each venue after completion of works.

Asked by: Hon. WU Chi-wai

Reply:

The estimated completion date, payback period and annual electricity cost saving of these five projects are shown in the table below.

Item	Project Description	Estimated completion date	Estimated payback period	Estimated annual electricity cost saving [#] (\$)
1	Replacement of air conditioning system with high efficiency chillers (Phase 1) at Tai Shing Street Market Building	End of April 2014	7 years	483,000
2	Replacement of air conditioning system with high efficiency chillers (Phase 1) at Po On Road Municipal Services Building	End of April 2014	10 years	346,000
3	Replacement of air conditioning system with high efficiency chillers at Yeung Uk Road Sports Centre	End of April 2014	10 years	304,000
4	Replacement of air conditioning system with high efficiency chillers at Tsuen Wan West Sports Centre	End of April 2014	8 years	549,000
5	Replacement of air conditioning system with high efficiency chillers at Smithfield Road Municipal Services Building	End of April 2014	6 years	674,000

[#] For calculation of cost saving, it is assumed that the average electricity tariff is \$1 per kWh.