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3 May 2019

Ms Doris LO
Clerk to the Public Works Subcommittee
Public Works Subcommittee
Legislative Council Complex
1 Legislative Council Road
Central, Hong Kong

Dear Ms Lo,

**Provision of an Additional District Cooling System
at the Kai Tak Development**

I refer to your email dated 8 April 2019 to the Financial Services and the Treasury Bureau which has been referred to the Environment Bureau for follow-up. Regarding the matters raised by Hon KWOK Ka-kai in his letter dated 8 April 2019 attached to your email, the Government's response is set out below.

Number of User Buildings using District Cooling Service at Kai Tak Development

As at end 2018, nine user buildings were using the district cooling service at the Kai Tak Development, namely Kai Tak Cruise Terminal, Ching Long Shopping Centre, Trade and Industry Tower, Sheng Kung Hui Holy Cross Primary School, Po Leung Kuk Stanley Ho Sau Nan Primary School, Electrical & Mechanical Services Department (EMSD) Headquarters, Hong Kong Children's Hospital, MTR Kai Tak Station, and MTR Sung Wong Toi Station. We initially estimated that there would be about 20 user buildings that would be connected to the District Cooling System (DCS) by end 2018. In light of the changes of the project development programme of the Kai Tak Development, we re-examined the project progress in 2013 and accordingly adjusted the phased construction schedule of the DCS to better match the development programme. At present, the number of user buildings using the district cooling service is similar to that projected in 2013 after a review on the development schedule.

Energy Saving Benefit from the DCS at the Kai Tak Development

In general, DCS saves about 35% of electricity consumption as compared to traditional air-cooled air-conditioning systems. As the DCS at the Kai Tak Development is only at the initial stage of operation and phased construction is still underway, EMSD does not have sufficient data at this juncture to estimate the energy saving benefit of the entire DCS project.

Based on the annual cooling service consumption of the existing nine users in 2018-19, EMSD estimates that a total of about 7 million kWh electricity was saved as a whole in that financial year through the use of DCS in lieu of traditional air-cooled air conditioning systems. Since the commencement of operation of the DCS in 2013 till 2018-19, the total estimated electricity saved is about 10.08 million kWh.

Yours sincerely,



(Desmond Cheng)

for Secretary for the Environment

c.c. Secretary for Financial Services and the Treasury
Director of Electrical and Mechanical Services

(Attn: Mr Denny HO)
(Attn: Mr VY Ek Chin)