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13 June 2019

Chief Council Secretary (4)1
Council Business Division 4
Legislative Council Secretariat
Legislative Council Complex,
1 Legislative Council Road, Central
Hong Kong
(Attn: Mr Anthony CHU)

Dear Mr CHU,

**LEGISLATIVE COUNCIL
PUBLIC ACCOUNTS COMMITTEE**

**Consideration of Chapter 1 of the Director of Audit's Report No. 72
Planning, provision and management of public parking spaces**

We refer to your letter dated 4 June 2019, requesting our response to provide information on implementation of parking-related technology initiatives as set out in Part (VII) of the Appendix. Our responses to the requests are attached in the **Appendix** for Members' reference.

For enquiries, please contact me on 2594 6401.

Yours sincerely,

(MAK Shing-tat)

for Director of Environmental Protection

Encl.

(VII) For the Environmental Protection Department

Implementation of parking-related technology initiatives

- (a) according to paragraphs 5.16(a) and 5.18(a) of the Audit Report, electric vehicle ("EV") chargers had not yet been provided at government multi-storey car parks in Aberdeen, Kennedy Town and Kwai Fong. As announced in the 2019-2020 Budget, the Administration would allocate \$120 million to extend the public EV charging networks in government car parks (including the above three government multi-storey car parks). Please advise the progress and timetable for the installation of EV chargers in these three government car parks as well as the plan and timetable to extend the public EV charging networks in other government car parks

As announced in the 2019-20 Budget, the Government would allocate \$120 million to extend the public EV charging networks at government car parks in the coming 3 years. Taking into account the availability of spare power capacity and technical feasibility of installing medium chargers in these government car parks, the Government has initially assessed that over 1 000 additional public chargers are expected to be in place by 2022, bringing the total number of government public chargers to about 1 700. The locations for the installation of additional EV chargers are shown in **Annex**. Tender documents for installation of additional EV chargers are being prepared and the preliminary installation schedule for the additional EV chargers, including those in the Aberdeen Car Park, Kennedy Town Car Park and Kwai Fong Car Park, is as below:

Fiscal Year	Estimated No. of Additional Public EV Medium Chargers
2019-20	about 170 (including those in Aberdeen Car Park)
2020-21	about 600 (including those in Kennedy Town Car Park and Kwai Fong Car Park)
2021-22	about 430

Remark:

The number of EV medium chargers is a preliminary estimate and the actual number will be affected by factors such as spare power supply available at particular venues, availability of space for the installation, etc.

- (b) **referring to paragraph 5.1 6(b) of the Audit Report about the occupation of parking spaces with EV chargers by non-EVs, please advise the factors to be considered in identifying the locations for the installation of EV chargers at car parks and measures to ensure that parking spaces with EV chargers would be available for use of EVs**

In the past, the locations of parking spaces for installation of EV chargers in the government car parks were selected mainly on technical considerations. Many parking spaces equipped with EV chargers are thus located near the exit or on the ground floor as it is technically more viable to install the chargers and the associated electrical wirings closer to the electrical switch room.

Taking into account the phenomenon that the existing parking spaces with EV chargers are occupied by non-EVs at times due to their convenient locations, we plan to install the additional EV chargers in future at locations away from the most popular and convenient spots. In other words, we will target the spaces on upper floors of the car parks or locations further away from exit or lift in order to enhance the opportunity of EV drivers to charge their EVs. In addition, traffic cones and/or appropriate notice will be placed by the carpark operators at the parking spaces with chargers wherever practicable subject to actual utilization in order to vacant the space concerned for the use by EVs.

A parking bay guidance system to provide information on vacant parking spaces to drivers is also being developed by the Transport Department (TD). The Environmental Protection Department will work with TD on the incorporation of information on real-time availability of EV chargers in the system to facilitate EV drivers to identify vacant parking spaces equipped with chargers. Electronic display panels to be installed at the entrance of the government car parks will also display the real-time availability of parking spaces with EV chargers and the number of vacant parking spaces. The arrangement will facilitate both EV and non-EV drivers in identifying parking spaces suiting their needs.

Locations for installation of additional EV chargers

Department		Location	<u>No. of EV chargers to be installed</u>
Transport Department	1.	Aberdeen car park	About 690 in total
	2.	Kennedy Town car park	
	3.	Kwai Fong car park	
	4.	Shau Kei Wan car park	
	5.	Sheung Fung Street car park	
	6.	Tin Hau car park	
	7.	Tsuen Wan car park	
Government Property Agency	8.	North Point Government Offices	About 190 in total
	9.	Queensway Government Offices	
	10.	Shatin Government Offices	
	11.	North District Government Offices	
	12.	Tai Po Government Offices	
	13.	Yuen Long District Office Building	
	14.	Tuen Mun Government Offices	
	15.	Sai Kung Government Offices	
	16.	Cheung Sha Wan Government Offices	
	17.	Trade and Industry Tower	
Leisure and Cultural Services Department	18.	Sun Yat Sen Memorial Park	About 320 in total
	19.	Sun Yat Sen Memorial Park Sports Centre	
	20.	Siu Sai Wan Sports Ground	
	21.	Island East Sports Centre	
	22.	Deep Water Bay Beach	
	23.	Ap Lei Chau Waterfront Promenade	
	24.	Wong Nai Chung Gap Children's Playground	
	25.	Hong Kong Heritage Museum	
	26.	Kowloon Bay Park	
	27.	Ping Shek Playground	
	28.	Shun Lee Tsuen Park	
	29.	Lei Yue Mun Municipal Services Building	

Department		Location	<u>No. of EV chargers to be installed</u>
	30.	Lai Chi Kok Park	
	31.	Sham Shui Po Sports Ground	
	32.	Cornwall Street Park	
	33.	Lung Cheung Road Lookout	
	34.	Hammer Hill Road Sports Ground	
	35.	Po Kong Village Road Park	
	36.	Kowloon Park	
	37.	Tung Chung Municipal Services Building	
	38.	Tsing Yi Southwest Leisure Building	
	39.	Tsing Yi Northeast Park	
	40.	Tsing Yi Sports Ground and Swimming Pool	
	41.	Kwai Chung Sports Ground	
	42.	Hing Fong Road Playground	
	43.	Sheung Shui Swimming Pool	
	44.	North District Sports Ground	
	45.	Wo Hing Sports Centre	
	46.	Po Wing Road Sports Centre	
	47.	Fanling Swimming Pool	
	48.	Tseung Kwan O Swimming Pool	
	49.	Tseung Kwan O Sports Ground	
	50.	Tiu Keng Leng Sports Centre	
	51.	Siu Lek Yuen Road Playground	
	52.	Sha Tin Sports Ground and Yuen Wo Playground	
	53.	Sha Tin Jockey Club Swimming Pool and Yuen Wo Road Sports Centre	
	54.	Sha Tin Town Hall	
	55.	Ma On Shan Swimming Pool	
	56.	Ma On Shan Sports Ground	
	57.	Yuen Chau Kok Complex	
	58.	Tai Po Sports Ground	
	59.	Tai Po Complex	
	60.	Kwong Fuk Park	
	61.	Shing Mun Valley Swimming Pool	
	62.	Shing Mun Valley Sports Ground	

Department		Location	<u>No. of EV chargers to be installed</u>
	63.	Tuen Mun North West Swimming Pool	
	64.	Tuen Mun Swimming Pool	
	65.	Yau Oi Sports Centre	
	66.	Yuen Long Swimming Pool	
	67.	Tin Shui Wai Swimming Pool & Tin Shui Wai Sports Centre	
	68.	Tin Shui Wai Sports Ground	
	69.	Tin Yip Road Park	
	70.	Fung Kam Street Sports Centre	
Tourism Commission	71.	Kai Tak Cruise Terminal	

Remark:

The number of EV medium chargers is a preliminary estimate and the actual number will be affected by factors such as spare power supply available at particular venues, availability of space for the installation, etc.