

**Legislative Council Panel on Environmental Affairs
Subcommittee to Study Issues Relating to
the Development of Electric Vehicles**

Supplementary Information

After consulting relevant Government departments, the Hong Kong Housing Authority (HA) and the Mass Transit Railway Corporation Limited (MTR), the Government provides supplementary information and response to the submission from the Electric Vehicles Policy Study Group¹ at **Annex A**.

2. Besides, as requested by the Subcommittee to Study Issues Relating to the Development of Electric Vehicles at the meeting on 11 May 2020, the details of the locations of the additional chargers installed at Government car parks are at **Annex B**.

**Environment Bureau/Environmental Protection Department
June 2020**

¹ Legislative Council Paper No. CB(1)606/19-20(01).

**Subcommittee to Study Issues Relating to
the Development of Electric Vehicles**

**The Government's responses to the submission
from the Electric Vehicles Policy Study Group**

Summary of views	Government's response
1. Existing Electric Vehicle (EV) Policies and their effectiveness	
1.1 "One-for-One Replacement" Scheme	
The Government should announce the extension of the "One-for-One Replacement" Scheme for 5 years to 2026 as soon as possible to maintain policy stability, in order to have higher chance to increase the EV adoption rate in Hong Kong.	We are reviewing the arrangements for the "One-for-One Replacement" Scheme. After completing the review, we will announce the outcome and the way forward as soon as practicable.
1.2 First registration tax (FRT)	
The Government should raise the FRT concessions for EVs to \$150,000 to enhance the financial incentives.	The Government now offers FRT concessions of up to \$97,500 for electric private cars (e-PCs), and purchasers of e-PCs who scrap and de-register their eligible old private cars (PCs) and then first register a new e-PC under the "One-for-One Replacement" Scheme can enjoy a higher FRT concession of up to \$250,000. This policy strikes a balance between promoting wider use of e-PCs and not increasing the overall number of PCs. We are also reviewing the arrangements for FRT concessions. After completing the review, we will announce the outcome and the way forward as soon as practicable.

1.3 Enterprises procuring EVs

The Government should explore reducing tax concessions for enterprises procuring non-environment-friendly PCs, so as to increase their capital cost of using non-environment-friendly vehicles. This will serve as a motivation to encourage enterprises to establish EV fleets.

Currently, enterprises which procure EVs are allowed full profit tax deduction for the capital expenditure on the vehicles in the first year of procurement. As the above tax deduction does not apply to non-environment-friendly PCs, EV Policy Study Group's recommendation (i.e., to explore reducing tax concessions for enterprises procuring non-environment-friendly PCs) is not applicable.

Financial incentives play an important role in encouraging enterprises to use EVs. Apart from the above tax deduction, the Government offers FRT concessions for EVs and charges lower annual vehicle licence fees for e-PCs. The Government has also encouraged the transport sectors to test out green innovative transport technologies through the New Energy Transport Fund (formerly known as Pilot Green Transport Fund).

2. Numbers, distribution and usage of EV charging facilities

2.1 Private residential car parks

The Government must expedite the launch of the \$2 billion pilot subsidy scheme and pro-actively approach large residential estates in Hong Kong, so as to upgrade the charging-enabling infrastructure in car parks of residential estates on a targeted basis.

To facilitate EV users to charge their EVs at home, the Chief Executive announced in the 2019 Policy Address to prepare for a \$2 billion pilot subsidy scheme to subsidise installation of EV charging-enabling infrastructure in eligible car parks of existing private residential buildings, to help overcome technical and financial difficulties often encountered in the installation of EV charging-enabling infrastructure, thus enabling owners of individual parking spaces to install chargers according to their own needs in future. The pilot

<p>The Government must strengthen education and actively explain to owners' corporations the significance of upgrading infrastructure in car parks to sustainable development.</p>	<p>subsidy scheme will run for about three years and it is estimated that about 60 000 private parking spaces could be benefited.</p> <p>We are pro-actively proceeding with the preparation work for the pilot subsidy scheme and plan to launch the pilot scheme in the second half of 2020. We will promote the scheme through various channels, including setting up a website, social media, publicity leaflets, etc. We will also organise briefing sessions for owners' corporations, property management companies and the general public to introduce the details of the pilot subsidy scheme and explain technical issues such as electricity supply and installation works, so as to encourage them to support and participate in the scheme.</p>
--	--

2.2 Car parks of public sector

<p>The Government should, following the practice of the Budget last year, allocate additional resources to HA for upgrading the basic infrastructure of car parks and installation of EV chargers, as well as upgrading the existing standard chargers to medium ones.</p>	<p>HA provides car parking facilities in its public housing developments primarily to serve the residents of the housing estates/courts concerned and their visitors for parking their vehicles. To support the Government's policy to promote wider use of EVs, HA has been working with the power companies since 2011 to provide EV chargers (including standard, medium and quick chargers) at some hourly car parking spaces in HA's existing car parks. At the same time, in accordance with the recommendations under the Hong Kong Planning Standards and Guidelines (HKPSG), HA has been installing standard EV charging facilities in the car parks of new public housing developments. Subject to demand and technical feasibility, HA has also been providing standard</p>
--	--

	<p>chargers at monthly car parking spaces in its existing car parks.</p> <p>As at the end of March 2020, HA has installed EV chargers at about 250 hourly car parking spaces and 830 monthly car parking spaces in its car parks. Currently, not many EVs are parked in HA's car parks. Some monthly car parking spaces installed with EV chargers have not yet been rented by EV users.</p> <p>Since mid-2019, to further support the Government's initiative to promote the use of EVs, HA has initiated a feasibility study for the installation of additional medium chargers at some hourly car parking spaces, subject to the electricity loading of individual car parks. At present, there are about 40 medium or quick chargers in HA's car parks. For the best use of resources, HA will consider increasing the number of medium chargers gradually in view of their usage situation.</p>
<p>HA should commit the provision of medium chargers for 30% of parking spaces in car parks of new public housing estates, so as to comply with the principle of sustainable development.</p>	<p>As regards new public housing developments, HA will continue to make reference to the recommendation of the HKPSG to provide standard EV charging facilities, including the installation of chargers, for 30% of PC parking spaces in indoor car parks of the developments; while the remaining 70% of PC parking spaces are also provided with EV charging-enabling infrastructure (including electrical distribution boards, power cables, trunking and conduits). Space will also be reserved for future installation of charging socket outlets.</p>

	<p>The Environmental Protection Department (EPD) is updating the relevant guidelines on EV charging, and the relevant guidelines on EV charging facilities in the HKPSG, recommending that new charging facilities to be installed should be medium chargers instead of standard ones, so as to cope with the latest development and actual need of EVs and the associated charging technologies. At the same time, HA is studying the feasibility of installing medium chargers in new public housing developments and its impact on the design of its power supply system. When the detailed technical requirements for medium chargers are established in the relevant guidelines on EV charging and the HKPSG, HA will install relevant facilities where feasible.</p>
<p>The Government should request MTR to expedite the installation of additional medium chargers at 30% of the parking spaces in car parks under the Park and Ride Scheme within 2 years, so as to bring the total number of chargers to 1 000.</p>	<p>MTR supports the Government’s overall policy of promoting the use of EVs, and will take into account factors including capacity of individual car parks, compatibility of electricity supply facilities, demand of parking lots, and convenience to users, etc., and progressively install additional EV chargers in the car parks managed by MTR.</p>
<p>2.3 Government car parks</p>	
<p>The Government must regularly announce the progress of the \$120 million scheme, and</p>	<p>The Government allocated \$120 million last year for installing additional medium chargers at 70 government car parks which are open to public. Over 1 000 additional public chargers are expected</p>

<p>update the position of installing chargers in various government car parks, so that stakeholders can monitor whether the Government can achieve the set target in 3 years, i.e., installing 1 000 additional public chargers.</p>	<p>to be in place by 2022, bringing the total number of chargers to about 1 800.</p> <p>The installation works of the 169 medium chargers, started in 2019-20, were completed by end-April this year. The testing works are in progress and the chargers will be open for public use progressively. Furthermore, we anticipate that about 570 and 460 medium chargers will be installed in 2020-21 and 2021-22 respectively. We will continue to report to the Legislative Council Panel on Environmental Affairs on the progress in promoting the use of EVs in due course, including the progress of installing additional medium chargers in government car parks.</p>
<p>The Government should provide subsidies and technical support to private sector for installation of chargers, and streamline the approval procedures of the corresponding works, so as to encourage the private sector to shoulder the responsibilities to extend the public charging network.</p>	<p>In 2011, EPD has established a dedicated team and a hotline (3757 6222) to provide relevant information and technical support for individuals interested in installing charging facilities. In addition, the Government is actively preparing to formulate the roadmap on the popularisation of EVs to, among other things, examine the policy objective and plan to promote the use of EVs and the support required. The Government will keep in view the development of charging facilities in the market and review the relevant policies and measures in due course.</p>

- END -

Annex B

The number and distribution of EV chargers planned to be installed by the Government

Department	District		Location	No. of EV chargers to be installed
Transport Department	Southern	1.	Aberdeen Car Park	44
	Central & Western	2.	Kennedy Town Car Park	59
		3.	Rumsey Street Car Park	75
	Kwai Tsing	4.	Kwai Fong Car Park	94
	Eastern	5.	Shau Kei Wan Car Park	81
	Wong Tai Sin	6.	Sheung Fung Street Car Park	47
	Wan Chai	7.	Tin Hau Car Park	124
Tsuen Wan	8.	Tsuen Wan Car Park	132	
Government Property Agency	Eastern	9.	North Point Government Offices	14
	Central & Western	10.	Queensway Government Offices	28
	Sha Tin	11.	Sha Tin Government Offices	54
	North	12.	North District Government Offices	11
	Tuen Mun	13.	Tuen Mun Government Offices	22
	Sai Kung	14.	Sai Kung Government Offices	7
	Sham Shui Po	15.	Cheung Sha Wan Government Offices	41
	Kowloon City	16.	Trade and Industry Tower	20
Leisure and Cultural Services Department	Central & Western	17.	Sun Yat Sen Memorial Park	12
		18.	Sun Yat Sen Memorial Park Sports Centre	6
	Eastern	19.	Siu Sai Wan Sports Ground	6
		20.	Island East Sports Centre	6
	Southern	21.	Deep Water Bay Beach	3
		22.	Ap Lei Chau Waterfront Promenade	6

Department	District		Location	No. of EV chargers to be installed
	Wan Chai	23.	Wong Nai Chung Gap Children's Playground	3
	Kwun Tong	24.	Kowloon Bay Park	11
		25.	Ping Shek Playground	10
		26.	Shun Lee Tsuen Park	4
		27.	Lei Yue Mun Municipal Services Building	6
	Sham Shui Po	28.	Lai Chi Kok Park	2
		29.	Sham Shui Po Sports Ground	2
		30.	Cornwall Street Park	2
		31.	Lung Cheung Road Lookout	4
	Wong Tai Sin	32.	Hammer Hill Road Sports Ground	1
		33.	Po Kong Village Road Park	2
	Yau Tsim Mong	34.	Kowloon Park	18
	Islands	35.	Tung Chung Municipal Services Building	10
	Kwai Tsing	36.	Tsing Yi Southwest Leisure Building	3
		37.	Tsing Yi Northeast Park	3
		38.	Tsing Yi Sports Ground and Swimming Pool	3
		39.	Kwai Chung Sports Ground	3
		40.	Hing Fong Road Playground	3
	North	41.	Sheung Shui Swimming Pool	3
		42.	North District Sports Ground	8
		43.	Wo Hing Sports Centre	4
		44.	Po Wing Road Sports Centre	3
		45.	Fanling Swimming Pool	5

Department	District		Location	No. of EV chargers to be installed
	Sai Kung	46.	Tseung Kwan O Swimming Pool	4
		47.	Tseung Kwan O Sports Ground	2
		48.	Tiu Keng Leng Sports Centre	2
	Sha Tin	49.	Siu Lek Yuen Road Playground	3
		50.	Sha Tin Sports Ground and Yuen Wo Playground	6
		51.	Sha Tin Jockey Club Swimming Pool and Yuen Wo Road Sports Centre	6
		52.	Sha Tin Town Hall	5
		53.	Hong Kong Heritage Museum	2
		54.	Ma On Shan Swimming Pool	6
		55.	Ma On Shan Sports Ground	15
		56.	Yuen Chau Kok Complex	10
	Tai Po	57.	Tai Po Sports Ground	3
		58.	Tai Po Complex	5
		59.	Kwong Fuk Park	5
	Tsuen Wan	60.	Shing Mun Valley Swimming Pool	2
		61.	Shing Mun Valley Sports Ground	3
	Tuen Mun	62.	Tuen Mun North West Swimming Pool	9
63.		Tuen Mun Swimming Pool	3	
64.		Yau Oi Sports Centre	3	
Yuen Long	65.	Yuen Long Swimming Pool	17	
	66.	Tin Shui Wai Swimming Pool & Tin Shui Wai Sports Centre	11	
	67.	Tin Shui Wai Sports Ground	18	

Department	District		Location	No. of EV chargers to be installed
		68.	Tin Yip Road Park	9
		69.	Fung Kam Street Sports Centre	17
Tourism Commission	Kowloon City	70.	Kai Tak Cruise Terminal	38
Total				1 209

Remark:

The number of EV chargers listed in the table is a preliminary estimate. The actual number will be affected by factors such as availability of electricity at venues, availability of spaces and other restrictions.

- END -