

**Legislative Council Public Works Subcommittee
Meeting on 27 November 2019**

51TF – Reconstruction of Pak Kok Pier on Lamma Island

Supplementary Information

Purposes

At the Legislative Council Public Works Subcommittee meeting on 27 November 2019, members have requested the Government to provide the following supplementary information related to the reconstruction of Pak Kok Pier on Lamma Island:

- (a) the number of existing public piers with solar panels and the respective number of solar panels at these public piers; and
- (b) the existing number of village vehicles on Lamma Island and whether there will be enough manoeuvre spaces at the Pak Kok Pier after its reconstruction for these vehicles.

Government Responses

(a) Information Related to Public Piers with Solar Panels

- 2. The existing number of public piers with solar panels and the number of solar panels at each of these public piers are listed as below:

	Name of Pier	Number of Solar Panel Installed¹
1.	Sai Kung Public Pier	6
2.	Tung Chung Development Pier	8
3.	Tsuen Wan Public Landing Steps	4
4.	Sharp Island Pier	12

Note 1: The approximate size of each solar panel is 2 metres long and 1 metre wide.

3. After reconstruction, there will be about 18 solar panel installed on the roof cover of the Pak Kok Pie. We estimate the daily electricity consumption of the Pak Kok Pier is about 8 kWh, mainly supplying power for the lighting system and drinking water dispenser. Under normal weather conditions, the estimated total electricity generated is at least 10 kWh per day, which is sufficient for the electricity demand of the whole pier. The proposed solar panels could store up excessive power for use at night, on cloudy days or under unstable weather conditions. Moreover, there will be backup electricity supply for the pier in case of emergency or during maintenance of the solar panels.

(b) Information Related to Village Vehicles

4. As of October 2019, there are 77 village vehicles on Lamma Island.

5. The overall width of village vehicle does not exceed 1.2 metres. The minimum width of the new pier after reconstruction is about 3.5 metres which is sufficient for a village vehicle to travel through.

**Transport and Housing Bureau
Civil Engineering and Development Department
Transport Department
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