

**Legislative Council  
Panel on Development**

**356WF -- Uprating of Tung Chung fresh water supply system**

**Follow-up Actions to Meeting on 28 March 2017**

At the meeting on 28 March 2017, the Panel on Development discussed the LC Paper No. CB(1)699/16-17(08) on the proposal to upgrade **356WF** “Uprating of Tung Chung fresh water supply system” to Category A at an estimated cost of \$300.2 million in money-of-the-day prices to cope with the anticipated increase in fresh water demand in Tung Chung and enhance the reliability of the existing system. The Administration was requested to provide the following information to the Panel:

*Usage of the rooftop of the Reservoir*

*(a) whether the Administration would facilitate the public to utilise the space on the rooftop of the proposed Reservoir for recreational activities; if yes, the details; if no, the reasons;*

2. Water Supplies Department (WSD) will facilitate taking forward any appropriate proposals for gainful utilisation of the space on the rooftops of service reservoirs for recreational and other activities. Over the past years, 52 service reservoir roofs have been used as sports grounds, sitting-out areas, parks, playgrounds and training fields, etc. According to the current practice and procedure, during the design stage for a proposed service reservoir, WSD will consult the Leisure and Cultural Services Department (LCSD) if the proposed service reservoir roof could be of any potential use. Other government departments and private organisations may also approach WSD for any proposed use of a service reservoir roof. In case the proponent is a private organisation, support from the relevant policy bureau in regard to the proposed use is required. If the proposed use of the service reservoir roof is considered suitable, the proponent can submit a formal application to the District Lands Office concerned for an allocation of the service reservoir roof for the proposed use. If such allocation is subsequently granted to the proponent, the allocatee will be responsible for proper management of the facilities pertaining to the proposed use.

3. In regard to the rooftop of the proposed service reservoir, we consulted LCSD in November 2016 if the roofs of the proposed Tung Chung No. 2 fresh water service reservoir and the adjoining existing service reservoir could be of any

potential recreational use after completion of the construction of the proposed service reservoir. As at today, there has been no suitable recreational use identified for the rooftop of the proposed and existing service reservoirs.

*(b) how the recreational activities (if any) on the rooftop of the proposed Reservoir would cause damage to the proposed Reservoir or contamination to the potable water stored therein, and whether any measures could be taken to avoid contamination of potable water, such as constructing a barrier or installing a close-circuit television system;*

4. On the rooftop of a service reservoir, there are air vents and access to the inside of the service reservoir. Any damage to these facilities may lead to contamination of the potable water stored therein. Normally, service reservoir will be properly locked up for security reason unless the rooftop area has been allocated for use by a proponent. In this case, the allocatee is required to manage the facilities pertaining to the proposed use according to conditions imposed by WSD to avoid any damage to the service reservoir and contamination of the water stored therein. WSD may also install appropriate protective measures in regard to the security of the air vents and access, etc. before handing over the rooftop to the allocatee.

#### Staff planning

*(c) whether the Administration would consider recruiting and deploying additional manpower to operate and maintain the fresh water supply and distribution systems in Tung Chung and North Lantau; if yes, the details; if no, the reasons; and*

5. Since the onset of the North Lantau development in phases in the 1990s, WSD has been increasing its manpower resources accordingly to support the operation and maintenance of the fresh water supply and distribution systems in Tung Chung and North Lantau. WSD will maintain close monitoring on the adequacy of the manpower resources and will deploy additional resources as necessary to meet the increasing workload due to the future development in Tung Chung and North Lantau.

#### New Engineering Contract

*(d) elaboration on how the New Engineering Contract could promote cooperation, mutual trust and collaborative risks management between contracting parties*

6. New Engineering Contract (NEC) form encompasses contract provisions

to encourage contracting parties to adopt a partnering approach to take forward construction works. NEC form also improves the equitable sharing of risks between contracting parties, with a view to lowering the tender premium and construction cost. This contract form attaches great importance on risk mitigation and management and embraces a collaborative risk management mechanism which helps to further reduce the project risk. This mechanism requires contracting parties to give early warnings on any risks as soon as they arise and work together to resolve such risks in a collaborative manner. Both parties have the obligation to notify each other if either of them becomes aware of any risk which could increase the project cost and/or cause delay. Under this mechanism, the contracting parties should attend the meeting for resolving and mitigating the risk and determining appropriate measures to deal with and lower the risk collaboratively. Therefore, NEC form can help improve the performance of construction contracts in terms of cost and time control.

7. Development Bureau and works departments have been promoting partnership to improve the management efficiency and cost-effectiveness of works contracts. Since 2009, works departments have been adopting NEC form in some public works contracts as pilots to let the works departments and the industry, including consultants and contractors, to build up more knowledge and experience. In October 2016, Development Bureau has published Practice Notes for NEC – Engineering and Construction Contract for public works projects in Hong Kong. Standard contract documents and sample templates are provided for the works departments and the industry's reference in using the NEC form so as to encourage the adoption of NEC form in more public works projects of different natures. Currently, except special circumstances of individual projects, the NEC form is adopted for contracts in public works projects managed by works departments.

**Development Bureau**  
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