

## **ITEM FOR PUBLIC WORKS SUBCOMMITTEE OF FINANCE COMMITTEE**

### **Supplementary information on 34WF - Additional trunk transfer facilities between Tan Kwai Tsuen and Tuen Mun**

#### **INTRODUCTION**

In considering paper PWSC (1999-2000)26 on **34WF** - Additional trunk transfer facilities between Tan Kwai Tsuen and Tuen Mun at the Public Works Subcommittee meeting held on 26 May 1999, Members requested the Administration to provide supplementary information on the details of the projected increase in water demand for Tuen Mun areas for the period up to 2008.

#### **THE ADMINISTRATION'S RESPONSE**

2. In general, we assess the future water demands of an area on the basis of domestic, industrial, commercial and service trade consumptions. While domestic consumption is directly related to the population in the area, other consumptions are dependent on the level of industrial, commercial and service trade activities. They are normally only indirectly related to the size of population.

3. The projected increase in domestic demand is to cater for the population intake of proposed housing developments in the Tuen Mun area. We estimate that the domestic demand will increase to 119 137 cubic meters per day in 2003 and to 152 394 in 2008 as a result of the population intake. Proposed major housing developments in the area include Tuen Mun Areas 4C, 16, 18, 29 and 56. The projected growth in non-domestic demand caters mainly for planned industrial developments which include the Fourth Industrial Estate, the River Trade Terminal, the Black Point Power Station and the Tuen Mun Port, service trades including restaurants and stores, hair saloons, etc. associated with residential development and planned commercial developments. Details of the forecast of the water demand build-up is shown in the Enclosure.

**Enclosure to PWSCI(1999-2000)9**

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**Fresh Water Demand Build-up in Different Years for Tuen Mun Areas**

		<b>1999</b>	<b>2003</b>	<b>2008</b>
(a)	Domestic Population (No. of persons)	405,223	496,669	634,235
(b)	Domestic Demand (Cubic metres/day)	92,122	119,137	152,394
(c)	Domestic Demand per Capita [ (b) / (a) ] (Cubic metres/day)	0.227	0.240	0.240
(d)	Non-domestic Demand (Cubic metres/day)	89,671	106,932	181,663
(e)	Total (mean daily demand) [ (b) + (d) ] (Cubic metres/day)	181,793	226,069	334,057