

Government intends that all new taxis should operate on LPG fuel from the end of 2000, and will encourage all diesel taxis to be replaced with LPG taxis by 2005.

**Table 8.2c**  
**Comparison of Exhaust Emissions between New LPG and Diesel Taxis<sup>4</sup>**  
**(Emission Test Cycle - Japan)**

Pollutant	Model A		Model B	
	LPG Taxi	Diesel Taxi	LPG Taxi	Diesel Taxi
CO	0.41	0.59	0.33	1
HC	0.19	0.38	0.19	1
NO <sub>x</sub>	0.04	0.73	0.01	1
Particulates	Negligible	1	Negligible	0.57
Smoke	Negligible	1	Negligible	0.48

The feasibility of introducing LPG as an alternative fuel for other vehicles will also be considered. LPG as an alternative fuel is an effective means of reducing emissions from selected elements of the vehicle fleet.

#### **Traffic Control Measures - Traffic Control**

The implementation of traffic control schemes, eg more effective traffic signals timing by an *Intelligent Transport System*, to reduce vehicle idle time and increase average speeds, can result in reductions in fuel consumption and vehicle emissions provided that additional traffic growth does not take advantage of the reduced degree of congestion. Studies have shown savings in fuel consumption and hence emissions of up to 15 to 18% can be achieved depending on the prevailing traffic conditions.

Traffic control schemes are progressively being implemented in Hong Kong and include the various Area Traffic Control (ATC) schemes. Significant improvements are not envisaged unless high-tech system linked to a satellite-type ERP system is considered.

The effect of traffic control measures is difficult to quantify within the scope of the SEA but such measures will reduce congestion and idling time at junctions and are considered to be a useful means to contribute to the management of air quality in Hong Kong.<sup>1</sup>

#### **Traffic Control Measures - Park and Ride**

Park and ride schemes provide parking facilities serviced by buses or rail on the fringes of city centres, with the aim of encouraging the transfer from private to public

<sup>4</sup> Source: *Consultation Paper - Proposal to Introduce LPG Taxi*, The Government of The Hong Kong Special Administrative Region, October 1998.