

**AIR QUALITY OBJECTIVES (AQO) REVIEW WORKING GROUP
ROAD TRANSPORTATION SUB-GROUP**

**Digest of the 2nd Meeting
held on 28 July 2016 (Thursday) at 2:30pm
in Conference Room, 33/F, Revenue Tower,
5 Gloucester Road, Wanchai**

Present:

Ms. Christine LOH	Under Secretary for the Environment (Chairperson) , Environment Bureau
Mrs. CHEUNG CHIU Hoi Yue, Alice, JP	Deputy Director of Environmental Protection (3) (Vice-chairperson) , Environmental Protection Department (EPD)
Mr. Roger LEE	
Mr. Aaron NG	
Mr. LING Chi Keung	
Mr. SO Sai Hung	
Mr. Matthew WONG	
Mr. Stanley CHAING	
Mr. TUNG Ching Leung	
Mr. Patrick FUNG	
Mr. MOK Wai Chuen	Assistant Director of Environmental Protection (Air Policy), EPD
Mr. Dave HO	Principal Environmental Protection Officer (Mobile Source), EPD
Mr. LAU Jun Yan, Alex	Assistant Secretary for Transport & Housing (Transport) 2B, Transport and Housing Bureau
Mr. LEE Wai Man	Chief Assistant Secretary (Works) 3, Development Bureau
Ms. Rachel KWAN	Assistant Commissioner/Bus and Railway, Transport Department
Mr. WONG Wai Yin, Patrick	Senior Town Planner/Strategic Planning 1, Planning Department
Mr. WOO Tai On, Gabriel	Acting Deputy Head of Civil Engineering Office (Port & Land), Civil Engineering and Development Department

Absent with Apologies:

Mr. Paul LI
Dr. Ringo LEE
Mr. Madison TANG
Ir Dr. David HO
Dr. HUNG Wing Tat
Mr. Daniel NG
Ir FUNG Man Keung
Mr. Evan AU YANG
Hon CHAN Choi Hi
Hon KWAN Sau Ling
Ms. Suzanne Kit Yi CHEUNG

In Attendance:

Ms. HO Wing Kam, Josephine	Acting Senior Environmental Protection Officer (Air Policy) 1, EPD
Ms. LAM Wai Yin, Lilian	Environmental Protection Officer (Mobile Source) 12, EPD
Mr. IP Ho Yin, Nelson	Environmental Protection Officer (Mobile Source) 13, EPD
Mr. LAM Cheuk Fung, Simon	Environmental Protection Officer (Air Policy) 11, EPD

Chairperson's Remarks

1. The Chairperson welcomed Members to the second meeting of the Road Transportation sub-group.

Agenda Item 1: Confirmation of digest of meeting

2. The digest of the first meeting held on 24 June 2016 were confirmed.

Agenda Item 2: A list of proposed new air quality improvement measures and their key considerations

3. The Chairperson advised that the Secretariat had compiled a list of the new air quality improvement measures suggested by Members at and after the first meeting, together with the associated key considerations for implementation, in the RT Paper 3/2016. The Chairperson invited Members to further comment on the list with a view to finalising it before the next meeting so that more detailed discussion on the new measures could be conducted in subsequent meetings.
4. The sub-group discussed each of the eight categories of improvement measures and the relevant key considerations in the RT Paper 3/2016:
 - i) Tunnel payment policy and toll collection method;

- ii) Maintenance and repair of vehicle exhaust system;
- iii) Fostering a "pedestrian-friendly" and "bicycle-friendly" environment;
- iv) Promotion of low-emission transport mode;
- v) Utilization of intelligent transport systems;
- vi) Land use and transport infrastructure planning;
- vii) Managing road space; and
- viii) Other suggestions.

Members' comments on the proposed measures and key considerations and the relevant amendments were summarized in the Annex.

5. The Administration said that the Secretariat would revise the list of proposed new measures and their key considerations according to the comments made by Members at the meeting. After that, the amended list will be issued to Members. If Members have any supplementary proposals after the meeting, they could submit them to the Secretariat for further consolidation.

(Post-meeting note: The Secretariat has amended the original list of proposed improvement measures and their key considerations based on the comments received and provided Members with the amended list by email on 9 September 2016.)

6. The Administration said that the two measures "Tunnel payment policy and toll collection method" and "Maintenance and repair of vehicle exhaust system" were tentatively scheduled for discussion at the next meeting. The relevant discussion papers will be distributed for Members' information prior to the next meeting.

Agenda Item 3: Any other business

7. The Vice-chairperson advised that a Member had suggested that Members exchanged email addresses to facilitate discussion among themselves. The Secretariat would consult Members (including those absent with apologies) on this suggestion after the meeting.
8. The Administration advised that measures proposed by Members but outside the scope of road transportation had been referred to the relevant sub-groups or the Air Policy Group of EPD for consideration. Measures include -
 - i) Study the feasibility of the use of renewable energy;
 - ii) Conduct a comprehensive review on indoor air quality; and
 - iii) Accelerate the replacement of non-road mobile machinery.

Agenda Item 4: Date of the next meeting

9. The third meeting of the sub-group was tentatively scheduled for 29 September 2016 (Thursday) at 9:30 am.

(Post-meeting note: The Secretariat has informed Members on 30 August 2016 that the third meeting of the sub-group originally scheduled for 9:30 a.m. on 29 Sept 2016 will be re-scheduled to be held at 2:30 p.m. on the same day.)

10. The meeting adjourned at 4:30 p.m.

Annex

Proposed new air quality improvement measures	Brief description of amendments
A. Tunnel payment policy and toll collection method	
1. Review the tunnel payment policy and level (e.g. the Government to buy back the tunnels).	In response to Members' suggestion, the improvement measure will be amended to "review the tunnel payment policy and level (e.g. the Government to buy back the tunnels, to launch a tunnel toll-subsidy pilot scheme)".
2. Consider replacing the existing system with complete automatic toll collection system.	No amendment.
B. Maintenance and repair of vehicle exhaust system	
1. Propose to use chassis dynamometer for testing vehicle tailpipe emissions.	No amendment.
2. Tighten the annual vehicle examination for private cars from over six years old to over three years old.	In response to Members' suggestion, the improvement measure will be amended to "tighten the annual vehicle examination for private cars from over six years old to over three years old (or consider adopting vehicle kilometres travelled as the vehicle examination criterion). "relevant overseas experience" will be added to the key considerations.
3. Provide vehicle tailpipe emission testing equipment for rent by small and medium-sized vehicle repair workshops.	No amendment.
4. Establish a maintenance information database of vehicle tailpipe emission system.	No amendment.
5. Raise awareness on the importance of vehicle maintenance and repair.	No amendment.
C. Fostering a "pedestrian-friendly" and "bicycle-friendly" environment	
1. Foster "pedestrian-friendly" environment (such as widening of footpaths, construction of covered walkways and enhancing the pedestrian connections) to encourage people to walk.	No amendment.

Proposed new air quality improvement measures	Brief description of amendments
2. Foster “bicycle-friendly” environment and study into the provision of ancillary facilities for cycling (such as provision of cycling track network and bicycle parking spaces, park-and-ride facilities at public transport interchanges and bike-friendly policies to facilitate carriage of bicycles on public transport).	No amendment.
3. Set up cycling and walking shared space at harborfront areas.	No amendment.
4. Establish lower vehicle speed limits zones (e.g. 30km/h) in community roads, school zones and areas with elderly centres to foster pedestrian environment.	In response to Members’ suggestion, the implementation feasibility (e.g. how to define school zones and areas with elderly centres) will be added to the key considerations.
D. Promotion of low-emission transport mode	
<p>1. Tram or electric bus interchange schemes at busy road sections (e.g. Nathan Road) or new development areas to replace the franchised bus services so as to reduce the number of buses and boarding/alighting passengers on the road section.</p> <ul style="list-style-type: none"> - Consider using electric buses with ultra-fast charge or super-capacitor models for the interchange schemes. - Set up priority lanes for trams/electric vehicles within the pilot areas. 	<p>Members expressed that the measures to be considered for implementation at busy road sections (e.g. Nathan Road) and in new development areas were different. Also, the promotion of low-emission transport mode in new development areas should be categorized as “Land use and transport infrastructure planning” matter (i.e. Item F).</p> <p>In response to Members’ suggestion, the interchange schemes in new development areas will be moved from item D1 to Item F - Land use and transport infrastructure planning, and “Provide low-emission transport modes for residents in new development areas” will be added to Item F.</p> <p>“business mode of interchange schemes” will be added to the key considerations of Item D1.</p>
<p>2. Electric vehicles pilot schemes - switching vehicle fleet of selected routes to electric vehicles.</p> <ul style="list-style-type: none"> - Targeting green minibus or franchised bus routes. 	In response to Members’ suggestion, the title of the measure will be amended to “electric vehicles pilot schemes - switching the

Proposed new air quality improvement measures	Brief description of amendments
<ul style="list-style-type: none"> - With the support of vehicle supplier, work out the best configurations for electric vehicles of the selected routes for the trial. - The scale of the pilot scheme must be large enough (15 vehicles or more) to attract vehicle suppliers to provide comprehensive technical and maintenance support. 	<p>existing vehicle fleet of selected routes to electric vehicles”.</p> <p>“ancillary charging facilities” will be added to the key considerations, while the requirement on the number of vehicles on the trial routes will be removed.</p> <p>Members also expressed that, apart from electric vehicles, the Administration should consider other new-energy vehicles and the relevant policies. The Chairperson agreed to have detailed discussion on the subject of new-energy vehicles. Therefore, a new item, D4 “exploring the use of new-energy vehicles”, will be added under “promotion of low-emission transport mode”.</p>
3. Promotion of hybrid private cars.	No amendment.
E. Utilization of intelligent transport systems	
1. Launch one-stop mobile app for the public to choose the most time-saving, economical and low-emission transportation mode.	No amendment.
2. Launch one-stop mobile app for the public to access real-time information on car parking vacancies which helps them choose the best parking location and shortening the driving distance.	No amendment.
3. Implement electronic road pricing scheme to tackle road traffic congestion at busy roads.	No amendment.
4. Introduce intelligent transport systems (e.g. manage traffic flow by traffic signal control, install smart sensors and surveillance cameras for illegal parking enforcement).	No amendment.
F. Land use and transport infrastructure planning	
1. Through proper land use planning to redress the current imbalance in home-job distribution and bring jobs closer to home so as to reduce commuting time and	In response to Members’ suggestion, a new item, “enhance district-based publicity on bus route rationalisation”, will be added

Proposed new air quality improvement measures	Brief description of amendments
private car usage.	under land use and transport infrastructure planning so as to enhance the efficiency of the transport network as a whole.
2. Use urban planning and design solutions together with transport management to improve air ventilation in high density development.	No amendment.
3. Conduct comprehensive review on the development of road transportation infrastructure and networks (such as construction of new tunnels and roads) to cope with population growth and to tackle road traffic congestion.	No amendment.
G. Managing road space	
1. Raise the first registration tax of highly polluting vehicles as well as private cars and impose emission limits on vehicle licences to manage the growth of vehicles.	No amendment.
2. Enhance enforcement against illegal parking.	No amendment.
3. Review on-street metered parking fees.	No amendment.
H. Other suggestions	
1. Provide information on the energy efficiency, emission performance and noise level of vehicles, etc. to facilitate the public to make a more environmentally-friendly choice.	No amendment.
2. Set out objectives/policies to support the use of cleaner vehicle fuels.	No amendment.
3. Extend the coverage areas of the existing low emission zones and its restriction to other vehicle types.	No amendment.
4. Address the personal and operational needs of heavy vehicle drivers, such as provision of parking space and arrangement of meal and rest breaks at the Kwai Chung Container Terminals area, so as to reduce air pollution arising from idling engines.	No amendment.
5. Set up priority lanes for public vehicles.	No amendment.
6. Review the policy on replacement of franchised buses.	No amendment.
7. Provide funding support to innovative projects initiated by the public that can alleviate traffic congestion and improve air quality.	No amendment.

Proposed new air quality improvement measures	Brief description of amendments
8. Raise public awareness on environmental protection, promote green living and encourage the public to use public transport systems as well as low emission transportation options.	No amendment.