

## **Achievement of Environmental Objectives and Targets and Environmental Targets for 2009**

**“We recognize the importance of sustainable development and have been striving for continual improvement in the protection of environment by setting objectives and targets to improve our environmental performance.”**



## Achievement of Environmental Objectives and Targets

We set clear objectives and targets in our environmental management plan every year, and are pleased to conclude that most of our targets for 2008 were satisfactorily met. Our achievements are summarized as follows:

Objectives	Targets set for 2008	Achievement (as at 31 Dec 2008)
Installation of electronic ballasts with a view to reducing energy consumption	To complete installation of 3,000 electronic ballasts for road lighting	3,000 electronic ballasts were replaced
Installation of dimmers at footbridges with a view to reducing energy consumption	To complete installation of dimmers at 10 footbridges	10 footbridges were installed with dimmers
Implementation of Clean Air Charter initiative	Energy and Emission Management Team to arrange an Energy Audit to examine energy consumption equipment in Ho Man Tin Government Offices (HMTGO) in early 2008 and to recommend measures in minimising energy consumption and reducing emissions	Energy audit for HMTGO was completed in April 2008 with five Energy Management Opportunities identified
Encouraging the use of recycled paper in the Department	To raise the percentage of recycled paper from 90% to 92% of the total consumption	Target was achieved
Further reduction in electricity consumption in individual floors of HMTGO where the Departmental Headquarters are located	To delamp some of the lamps of the corridors on UG/F to 6/F in early 2008	The exercise will continue until early 2009
Recycling materials	<p>To progressively introduce the use of asphalt incorporating reclaimed asphalt pavement in roadworks</p> <p>To complete the study on asphalt rubber and asphalt rubber mixtures</p>	<p>Reclaimed asphalt pavement was used in the NT West high speed road term contract and the Tuen Mun Road reconstruction contract</p> <p>The study was completed in December 2008</p>

<b>Objectives</b>	<b>Targets set for 2008</b>	<b>Achievement (as at 31 Dec 2008)</b>
Planting trees and shrubs	To plant 250,000 trees/shrubs in the vicinity of major highway projects	295,000 trees/shrubs were planted
Procuring environmentally-friendly contract vehicle	To procure at least one environmentally-friendly petrol private car model in each of the new major works contracts	Target was achieved for all 4 new major works contracts
Adopting site office equipment with energy saving label	To use site office equipment with energy saving labels in all new major works contracts	Target was achieved for all 4 new major works contracts
Dust emission reduction	To include a particular specification clause for dust suppression in all new major works contracts	Target was achieved for all 4 new major works contracts

## Environmental Targets for 2009

We always strive for continual improvement and shall continue in 2009 to maintain a sustainable environment with more energy saving, greening and housekeeping measures as well as research initiatives in the protection of environment. We will make every endeavour to achieve the targets set below.

<b>Objectives</b>	<b>Targets</b>
Installation of electronic ballasts with a view to reducing energy consumption	To complete installation of 3,000 electronic ballasts for road lighting
Installation of dimmers at footbridges with a view to reducing energy consumption	To complete installation of dimmers at 10 footbridges
Energy saving in Ho Man Tin Government Offices (HMTGO) where Departmental Headquarters are located (setting electricity saving target based on the results of first energy audit)	To implement measures in minimising electricity consumption by: (a) delamping 100 nos. of lamps on UG/F to 6/F corridors of HMTGO (b) replacing 1,000 nos. of T8 fluorescent lamps with T5 fluorescent lamps (c) replacing 15 nos. of T8 exit signs with LED signs

Objectives	Targets
Improving indoor air quality	To continue upkeeping the indoor air quality at or above the level of "Good Class" in HMTGO
Adopting measures in water conservation	To educate staff on water conservation and to consider installing dual-flush toilets and automatic water taps in the toilets of HMTGO
Encouraging the use of recycled paper in the Department	To raise the percentage of recycled paper from 92% to 94% of the total consumption
Recycling materials	<p>To carry out a site trial on the use of concrete paving blocks incorporating recycled glass cullets on a footway and monitor its performance</p> <p>To continue introducing progressively more use of asphalt incorporating reclaimed asphalt pavement in road works</p> <p>To introduce the use of thermal patcher for minor asphalt pavement maintenance in the two new road maintenance contracts due to commence in April 2009</p>
Developing low noise road surfacing (LNRS) materials	To complete the study on the noise reduction performance of five different types of LNRS materials laid at Fanling Highway
Planting trees and shrubs	To plant 250,000 trees/shrubs in the vicinity of highway projects
Adopting site office equipment with energy saving label	To use site office equipment with energy saving labels in all new major works contracts
Procuring environmentally-friendly contract vehicle	To procure at least one environmentally-friendly petrol private car model in each of the new major works contracts
Reducing dust emission	To include a particular specification clause for dust suppression in all new major works contracts

**We hope you will find that this publication gives a good snapshot of our dedication and efforts in environmental protection. Should you have any comments or feedback on our work, please share with us your views through our homepage on the Internet (address: <http://www.hyd.gov.hk>). Thank you.**