



We always strive for continual improvement in the protection of environment by setting objectives and targets to enhance our environmental performance.

Awards

Outstanding Environmental Management and Performance Award (OEMPA) and Considerate Contractors Site Award (CCSA)

The Development Bureau and Construction Industry Council jointly organized the CCSA Scheme to recognize construction sites with good site safety and environmental performance and considerate attitude towards the neighbourhood and the public. In 2015, our construction sites received six CCSA and three OEMPA awards, including one Gold, one Silver, one Bronze and three Merit Prizes from CCSA, and one Silver, one Bronze and one Merit Prizes from OEMPA.



Contract number
HY/2009/18
"Central-Wan Chai
Bypass - Central
Interchange"

winner of CCSA
(New Works)
Gold Price and
OEMPA Merit
Prize



Contract number
HY/2009/19 "Central-
Wan Chai Bypass-
Tunnel (North Point
Section) and Island
Eastern Corridor Link

winner of CCSA
(New Works)
Bronze Prize and
OEMPA Silver
Prize



Contract number
05/HY/2012 "Management
and Maintenance of High
Speed Roads in New
Territories East and Hong
Kong Island 2013-2019"

winner of CCSA
(RMAA Works)
Silver Prize



Contract number
HY/2010/08 "Central-
Wan Chai Bypass
- Tunnel (Slip Road 8
Section)"

winner of CCSA
(New Works)
Merit and
OEMPA Bronze
Prize



2015 Hong Kong Flower Show – HyD’s Display Booth

HyD is committed to providing a safe and efficient road and railway infrastructure system with high quality greening for enjoyment of Hong Kong people. The theme of the display booth “Roads Enjoyment Journey” demonstrated the dedicated effort of HyD in providing different kinds of enjoyable journeys to road users. Apart from integration of typical roadside layout accentuated with general highway features, such as cycle tracks, slopes, paving, bridge, tunnel, road signage, noise barrier, water barriers, traffic cones, etc., the garden had creatively displayed lush of greenery with colorful dancing blossoms for public enjoyment. The design conveyed the message that people could enjoy pleasant journeys when going to and forth from work or school, on their way to lunch, jogging or exercising; either on pedestrian path, cycle track, carriageway or train. And the display booth received the “Gold Award for Unique Feature (Landscape Display)” in the 2015 Hong Kong Flower Show.



Environmental Objectives and Targets

Achievement in 2015

Objective	Target	Achievement
Reducing the energy consumption in public lighting	To replace old T8 fluorescent tubes by LED tubes in 10 subways to save energy.	Target achieved: The old T8 fluorescent tubes in 10 subways were replaced by LED tubes.
Saving 5% electricity consumption in HyD offices by 2019 (Comparing with the baseline electricity consumption in 2013)	To continue implementing housekeeping measures and best practices for energy saving and monitoring the electricity consumption in HyD offices.	Electricity consumption in HyD offices is being monitored closely. Housekeeping measures and best practices for energy saving are being implemented.
Adopting measures in water conservation	To continue implementing measures in water conservation and exploring the appropriate installation of latest water saving devices in HMTGO.	Measures in water conservation are being adopted continuously.
Improving indoor air quality	To continue upkeeping the indoor air quality at or above the level of "Good Class" in HMTGO.	Target achieved: Air measurement was conducted by EMSD in October 2015. HMTGO was awarded the Indoor Air Quality Certificate (Good Class).
Carrying out carbon audit for tracking the effectiveness of Green House Gas (GHG) reduction	To continue carrying out carbon audit twice per year for tracking the effectiveness of GHG reduction.	A carbon audit was conducted by BMO of HMTGO.
Encouraging the use of recycled paper in the Department	To maintain the percentage usage of recycled paper not less than 96.5% of the total consumption.	Target achieved: 17,565 reams of paper were consumed in the year, out of which, 99.80% were recycled paper.
Setting target in reducing photocopying paper consumption	To maintain the consumption of photocopying paper at a level not exceeding the consumption level of 2014.	Target achieved: 17,565 reams of paper were consumed in the year. Comparing with 17,851 reams of paper consumed in 2014, a saving of 1.60% in paper consumption was achieved.
Promoting the wider use of recycled materials	To introduce the use of the following construction materials/ methods in more maintenance contracts progressively; (a) Reclaimed Asphalt Pavement (RAP) in bituminous pavement construction; (b) Thermal Patcher for appropriate scale resurfacing; and (c) Stone mastic asphalt with polymer modified binder.	(a) Target Achieved: Use of RAP has been specified in two new road maintenance contracts scheduled to commence in April 2016. (b) Target Achieved: Use of Thermal Patcher for appropriate scale resurfacing has been specified in one new road maintenance contract scheduled to commence in April 2016. (c) Target Achieved: Use of Stone mastic asphalt with polymer modified binder has been specified in two new road maintenance contracts scheduled to commence in April 2016.
Planting trees and shrubs	To plant 15,500 trees/shrubs in capital works contracts of MWPMO and HZMB-HKPMO.	Target achieved: 128,741 trees/shrubs have been planted.
Adopting site office equipment with energy saving label	To include particular specification clauses for using site office equipment with energy saving labels and water consuming appliances with WSD water efficiency labels in all Engineer's Site Office (excluding those using existing premises) of capital works contracts of MWPMO and HZMB-HKPMO tendered in 2015.	Target achieved: all 7 applicable capital works contracts tendered in 2015 have included a particular specification clause for using site office equipment with energy saving label.
Procuring environmentally friendly contract vehicle	To procure environmentally friendly private car model approved by EPD for saloon type contract vehicle in all capital works contracts of MWPMO and HZMB-HKPMO tendered in 2015.	Target achieved: all 7 capital works contracts tendered in 2015 have procured environmentally friendly contract vehicle.
Reducing dust emission	To include a particular specification clause for dust emission reduction in all capital works contracts of MWPMO and HZMB-HKPMO tendered in 2015.	Target achieved: all 7 capital works contracts tendered in 2015 have included the dust emission reduction particular specification clause.
Adopting energy efficient features and renewable energy technologies	In all capital works consultancy agreements of MWPMO and HZMB-HKPMO tendered in 2015 to include requirements for the consultants: (a) to identify opportunities to utilize energy efficient features and renewable energy technologies; and (b) to assess carbon footprint of the road work project during design stage and to provide recommendations on measures to reducing carbon footprint.	No consultant agreement tendered in 2015.
Green Roof and Green Wall at the Engineer's Site Office	To include a particular specification clause for construction of green roof and green wall in all capital works contracts of MWPMO and HZMB-HKPMO tendered in 2015 with Engineer's Site Office (excluding those using existing premises) exposed in sunlight.	Target achieved: all 7 applicable capital works contracts tendered in 2015 have included the particular specification clause for construction of green wall and green roof.

Looking Ahead for 2016

Objective	Target
Reducing the energy consumption in public lighting	To continue replacing old T8 fluorescent tubes by LED tubes in 10 subways to save energy.
Saving 5% electricity consumption in HMTGO by 2019 (Comparing with the baseline electricity consumption in 2013)	To continue implementing housekeeping measures and best practices for energy saving. To replace fluorescent lighting by dual lighting fittings with motion sensors at our outstation offices.
Adopting measures in water conservation	To continue implementing measures in water conservation and exploring the appropriate installation of latest water saving devices in HMTGO.
Improving indoor air quality	To continue upkeeping the indoor air quality at or above the level of "Good Class" in HMTGO.
Carrying out carbon audit for tracking the effectiveness of Green House Gas (GHG) reduction	To continue carrying out carbon audit annually for tracking the effectiveness of GHG reduction.
Encouraging the use of recycled paper in the Department	To raise the percentage usage of recycled paper from 96.5% to 97% of the total paper consumption.
Setting target in reducing photocopying paper consumption	To maintain the consumption of photocopying paper at a level not exceeding the consumption level of 2015.
Promoting the wider use of recycled materials	To introduce the use of the following construction materials/methods in more maintenance contracts progressively: (a) Stone mastic asphalt with polymer modified binder; (b) Full depth recycled materials as sub-base of local distributors and feeder roads; and (c) Reclaimed Asphalt Pavement (RAP)
Planting trees and shrubs	To plant 25,000 trees/shrubs in capital works contracts of MWPMO and HZMB-HKPMO.
Adopting site office equipment with energy saving label	To include particular specification clauses for using site office equipment with energy saving labels and water consuming appliances with WSD water efficiency labels in all Engineer's Site Office (excluding those using existing premises) of capital works contracts of MWPMO and HZMB-HKPMO to be tendered during the calendar year of 2016.
Using environment-friendly vehicles in capital works projects	To include the requirement for procuring at least one electric or hybrid electric vehicle for saloon type contract vehicle in each capital works contract of MWPMO and HZMB-HKPMO to be tendered during the calendar year of 2016.
Reducing dust emission	To include a particular specification clause for dust emission reduction in all capital works contracts of MWPMO and HZMB-HKPMO to be tendered during the calendar year of 2016.
Adopting energy efficient features and renewable energy technologies	In all capital works consultancy agreements of MWPMO and HZMB-HKPMO for which invitation to submit Technical and Fee Proposals during the calendar year of 2016 to include requirements for the consultants : (i) to identify opportunities to utilize energy efficient features and renewable energy technologies; and (ii) to assess carbon footprint of the road work project during design stage and to provide recommendations on measures to reducing carbon footprint.
Green Roof and Green Wall at the Engineer's Site Office	To include a particular specification clause for construction of green roof and green wall in all capital works contracts of MWPMO and HZMB-HKPMO to be tendered during the calendar year of 2016 with Engineer's Site Office (excluding those using existing premises) exposed in sunlight.

Hoping that this report could provide you with a glimpse of our dedication and efforts in environmental protection. Should you have any comment to our work, please share with us your views through our homepage on the Internet (address: <http://www.hyd.gov.hk>). Thank you for reading this publication.