

第22屆 公德地盤嘉許計劃頒獎典禮

22nd Considerate Contractors Site Award Scheme Award Presentation Ceremony



Environmental Performance

We recognize the importance of protection of environment by setting objectives and targets to improve 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 2016, our construction sites received six CCSA and four OEMPA awards, including one Gold, one Bronze and four Merit Prizes from CCSA, and two Silver and two Merit Prizes from OEMPA and one Silver Prize in Model Subcontractor Award.

Contract No. HY/2009/18 "Central - Wan Chai Bypass - Central Interchange"

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

Contract No. HY/2013/12 "Tuen Mun - Chek Lap Kok Link - Northern Connection Toll Plaza and Associated Works"

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

Contract No. HY/2013/01 "Hong Kong - Zhuhai - Macao Bridge Hong Kong Boundary Crossing Facilities - Passenger Clearance Building"

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

Contract No. HY/2013/02 "Hong Kong - Zhuhai - Macao Bridge Hong Kong Boundary Crossing Facilities - Infrastructure Works Stage I (Western Portion)"

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

Hong Kong Flower Show 2016

HyD endeavors to expand, maintain and improve Hong Kong road network in the past three decades so as to cater for the increasing need of transport and to provide an efficient road network connecting various districts for citizens.

The design concept of this display aims at celebrating the 30th anniversary of HyD by showcasing road network development in the past by designing various features based on the basic elements of a road network, such as footways, carriageways, bridges, tunnels and railways, and thereby depicting a vision of future development.



An entrance gateway featuring the experience of travelling through a tunnel is designed with vertical greening to welcome visitors.



Interplay between colorful flowers and signage are designed to echo the theme "Blossoms in Vivid Art" of the Flower Show.

The display booth with the theme of **Thriving "Highways" in 30 Years** won the Grand Award for Unique Feature under the category of "Landscape Display".



Prize presentation ceremony

The Hong Kong Institute of Landscape Architects (HKILA) Landscape Awards 2016



HyD was presented with certificate by the Hon Mrs Carrie Lam during the award ceremony

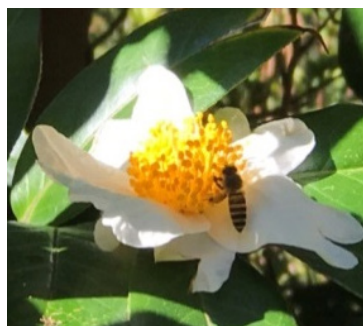
HyD formulates and implements proactive tree management strategies for senescent Acacia trees, in order to better safeguard public safety and enrich biodiversity through replacement planting.

Our HyD's project, namely the "Proactive Revitalization of Senescent Acacia Slopes", has received the Silver Award of the HKILA Landscape Awards 2016 under the Landscape Management Category.

The award is not only a recognition of the department's outstanding achievements on environmental management and sustainable development, but it also boosted our morale and confidence in tackling the difficult work ahead to strive for continual enhancement of our environmental performance.



Replacing the senescent Acacia with native and localized species in HyD's slope



The highways landscape and biodiversity are enhanced through replacement planting

Environmental Objectives and Targets

Achievement in 2016

Objective	Target	Achievement
Reducing the energy consumption in public lighting	To continue replacing old T8 fluorescent tubes by LED tubes in 10 subways to save energy.	Target achieved: The old T8 fluorescent tubes in 13 subways have been replaced by LED tubes.
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.	Electricity consumption in HyD offices is being monitored closely. Housekeeping measures and best practices for energy saving are being implemented. EMSD had conducted site visits to our outstation offices regarding replacement of fluorescent lighting by dual lighting fittings with motion sensors.
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. Flow controllers were installed in water taps in HMTGO toilets in September 2016.
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 2016. 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 annually for tracking the effectiveness of GHG reduction.	Target achieved: Carbon audit was conducted by BMO of HMTGO.
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.	Target achieved: 17,422 reams of paper were consumed in the year, out of which, 100% 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 2015.	Target achieved: 17,422 reams of paper were consumed in the year. Comparing with 17,565 reams of paper consumed in 2015, a saving of 0.81% 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: (i) Stone mastic asphalt with polymer modified binder; (ii) Full depth recycled materials as sub-base of local distributors and feeder roads; and (iii) Reclaimed Asphalt Pavement (RAP)	(i) Target Achieved: Use of stone mastic asphalt with polymer modified binder has been specified in one new road maintenance contract scheduled to commence in April 2017. (ii) Target Achieved: Use of full depth recycled materials as sub-base of local distributors and feeder roads has been specified in road maintenance contracts commenced in 2016. (iii) Target Achieved: Use of RAP has been specified in one new road maintenance contract scheduled to commence in April 2017.
Planting trees and shrubs	To plant 25,000 trees/shrubs in capital works contracts of MWPMO and HZMB-HKPMO.	Target achieved: 71,194 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 to be tendered during the calendar year of 2016.	Target achieved: All 4 applicable capital works contracts tendered in 2016 have included a particular specification clause for using site office equipment with energy saving label.
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.	Target achieved: All 4 capital works contracts tendered in 2016 have included a particular specification clause for procuring at least one electric or hybrid electric vehicle.
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.	Target achieved: All 4 capital works contracts tendered in 2016 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 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.	Target achieved: The one consultancy agreement tendered in 2016 has included the requirements (i) and (ii).
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.	Target achieved: All 4 applicable capital works contracts tendered in 2016 have included the particular specification clause for construction of green roof and/or green wall.

Looking Ahead for 2017

Objective	Target
Reducing the energy consumption in public lighting	<ul style="list-style-type: none"> To replace 2,000 road lights with LED lights; To replace 400 directional signs and gantry signs lights with LED lights; and To replace 1,100 T8 fluorescent tubes for subways with LED tubes.
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 HyD offices.
Improving indoor air quality	To continue upkeeping the indoor air quality at or above "Good Class" level in HyD offices.
Carrying out carbon audit and implementing measures to reduce Greenhouse Gas emission	To continue carrying out carbon audit annually. Explore energy conservation opportunities by identifying our major emission source from the carbon audit result.
Encouraging the use of recycled paper in the Department	To upkeep percentage usage of recycled paper at 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 2016.
Promoting the wider use of recycled materials	To introduce the use of the following construction materials/methods in more maintenance contracts progressively: <ul style="list-style-type: none"> (i) Stone mastic asphalt with polymer modified binder; and (ii) Full depth recycled materials as sub-base of local distributors and feeder roads.
Planting trees and shrubs	To plant 75,000 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 2017.
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 2017.
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 2017.
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 2017 to include requirements for the consultants : <ul style="list-style-type: none"> (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/or Green Wall at the Engineer's Site Office	To include a particular specification clause for construction of green roof and/or green wall in all capital works contracts of MWPMO and HZMB-HKPMO to be tendered during the calendar year of 2017 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.