

第23屆公德地盤嘉許計劃頒獎典禮

23rd Considerate Contractors Site Award Scheme Award Presentation Ceremony



Environmental Performance

We continue to set clear objectives and targets every year to monitor 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 2017, our construction sites received four OEMPA and five CCSA awards, including one Gold, one Bronze and two Merit Prizes from OEMPA, and one Bronze and four Merit Prizes from CCSA, as well as one Silver and one Merit Prizes in Model Subcontractor Award.

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

Winner of OEMPA Gold Prize and CCSA (New Works) Merit Prize

Contract No. HY/2011/08 "Central - Wan Chai Bypass - Tunnel Buildings, Systems and Fittings, and Works Associated with Tunnel Commissioning"

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

Contract No. 05/HY/2012 "Highways Department Term Contract (Management and Maintenance of High Speed Roads in New Territories East and Hong Kong Island 2013 - 2019)"

Winner of OEMPA Merit Prize and CCSA (RMAA Works) Merit Prize

Hong Kong Flower Show 2017

The development and maintenance of efficient transport network is indispensable to Hong Kong's sustainable growth. It has been channeling fluid movement of people and goods to support economic prosperity and building close bond among neighborhoods.

HyD's display booth with the theme of "The Road Ribbons of Hong Kong" symbolized the roadscape overlaying onto the urban fabric. Walking through this HyD's exhibit, the visitors would experience the juxtaposition of extensive road network, modern skyscrapers and natural terrain with rich vegetation. The rose junction, where visitors from different directions encounter, celebrates the moment of intersection and togetherness.



Grand entrance of HyD's display booth



The rose junction became the photo hotspot



HyD's display booth won the Grand Award for Outstanding Exhibit (Landscape Display)



Lighting effect at night

The International Federation of Landscape Architects Asia-Pacific Region - Landscape Architecture Awards 2017

The “Enhancement of Vegetated Slopes of HyD – Phased Replacement of Senescent Acacia” is part of our life-cycle planning for managing its tree assets. It aims to ensure public safety in a proactive and preventive manner.

In view of the age profile of many of the Acacia under HyD’s maintenance, the proximity of these trees to the road network and their current health and structural conditions, there is an urgent need to prioritise and implement a work plan to minimise risks to road users posed by senescent trees, and replacing them with native and naturalised species to promote sustainable tree management and enhance urban biodiversity.

The project has received the Honorable Mention of the International Federation of Landscape Architects Asia-Pacific Region - Landscape Architecture Awards 2017 under the Analysis and Master Planning category.

The award is a recognition of HyD’s outstanding achievement on environmental management such as upcycling the logs generated from the replacement work for creation of art work and for educational and other uses to bring benefits to the community instead of adding burden to the landfill sites.



Replacing the senescent Acacia under HyD’s maintenance to better safeguard public safety



HyD representatives were presented with certificate by the International Federation of Landscape Architects Asia-Pacific Region during the award presentation ceremony



Diversified flora and fauna are seen in the restored habitats, and Acacia woods are upcycled into art work for public enjoyment

Environmental Objectives and Targets

Achievement in 2017

Objective	Target	Achievement
Reducing the energy consumption in public lighting	(i) To replace 2,000 road lights with LED lights; (ii) To replace 400 directional signs and gantry signs lights with LED lights; and (iii) To replace 1,100 T8 fluorescent tubes for subways with LED tubes.	Target achieved: Replaced 2,466 road lights, 415 directional signs and gantry signs lights and 1,124 T8 fluorescent tubes by LED lights.
Saving 5% electricity consumption in Ho Man Tin Government Offices 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. The EMSD had identified three outstation offices regarding replacement 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 HyD offices.	Target achieved: 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 HyD offices.	Target achieved: Air measurement was conducted by the EMSD in December 2017. HyD offices' air quality was monitored and attained the "Excellent" or "Good" Class.
Carrying out carbon audit for tracking the effectiveness of Green House Gas reduction	To continue carrying out carbon audit annually. To explore energy conservation opportunities by identifying our major emission source from the carbon audit result.	Target achieved: Carbon audit was conducted by the Building Management Office of Ho Man Tin Government Offices in 2017.
Encouraging the use of recycled paper in the Department	To upkeep percentage usage of recycled paper at 97% or above of the total paper consumption.	Target achieved: 17,422 reams of paper were consumed in the year, and all of them 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 2016.	Target achieved: 17,422 reams of paper were consumed in the year, which were the same as in 2016.
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; and (ii) Full depth recycled materials as sub-base of local distributors and feeder roads.	(i) 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 2018. (ii) Target achieved: Use of full depth recycled materials as sub-base of local distributors and feeder roads has been specified in two new road maintenance contracts scheduled to commence in April 2018.

Objective	Target	Achievement
Planting trees and shrubs	To plant 75,000 trees/shrubs in capital works contracts of Major Works Project Management Office (MWPMO) and Hong Kong-Zhuhai-Macao Bridge Hong Kong Project Management Office (HZMB-HKPMO).	Target achieved: 122,052 trees/shrubs have been planted.
Adopting site office equipment with energy saving labels	To include particular specification clauses for using site office equipment with energy saving labels and water consuming appliances with Water Supplies Department (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.	Target achieved: All 3 applicable capital works contracts tendered in 2017 have included a particular specification clause for using site office equipment with energy saving labels and water consuming appliances with WSD water efficiency labels.
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.	Target achieved: All 4 capital works contracts tendered in 2017 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 2017.	Target achieved: All 4 capital works contracts tendered in 2017 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 2017 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: 4 consultancy agreements tendered in 2017 have included the requirements (i) and (ii).
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.	Target achieved: All 3 applicable capital works contracts tendered in 2017 have included the particular specification clause for construction of green roof and/or green wall.

Looking Ahead for 2018

Objective	Target
Reducing the energy consumption in public lighting	(i) To replace 4,000 road lights with LED lights; (ii) To replace 1,000 directional signs and gantry signs lights with LED lights; and (iii) To replace 1,200 T8 fluorescent tubes for subways with LED tubes.
Saving 5% electricity consumption in Ho Man Tin Government Offices 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. To 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% or above 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 2017.
Promoting the wider use of recycled materials	To introduce the use of full depth recycled materials as sub-base of local distributors and feeder roads in more maintenance contracts.
Planting trees and shrubs	To plant 29,000 additional trees/shrubs in capital works contracts of MWPMO and Major Works Project Management Office (Special Duties) (MWPMO (SD)) (previously named as HZMB-HKPMO).
Adopting site office equipment with energy saving labels	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 MWPMO (SD) to be tendered during the calendar year of 2018.
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 MWPMO (SD) to be tendered during the calendar year of 2018.

Objective	Target
Reducing dust emission	To include a particular specification clause for dust emission reduction in all capital works contracts of MWPMO and MWPMO (SD) to be tendered during the calendar year of 2018.
Adopting energy efficient features and renewable energy technologies	In all capital works consultancy agreements of MWPMO and MWPMO (SD) for which invitation to submit Technical and Fee Proposals during the calendar year of 2018 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/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 MWPMO (SD) to be tendered during the calendar year of 2018 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.