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## News Release

5 June 2018

### **World Environment Day 2018 and Singapore's Year of Climate Action:**

#### **CDL and Global Initiatives Launch Singapore Series of UN Environment's #BeatPlasticPollution Campaign**

- *Singapore joins 11 other Asia-Pacific cities hosting recycled plastic art installations for UN Environment's campaign*
- *Three art installations to be showcased at Marina Barrage, City Square Mall and South Beach*
- *Largest installation Mori, a massive 120-metre long caterpillar, to be made from some 18,000 plastic bottles*
- *Mori aims to enter Singapore Book of Records for the largest number of plastic bottles used in an outdoor art installation*

Today, in conjunction with World Environment Day, Dr Amy Khor, Senior Minister of State, Ministry of the Environment and Water Resources, launched the Singapore series of the UN Environment's #BeatPlasticPollution Campaign at Marina Barrage. Through this initiative organised by City Developments Limited (CDL) and Global Initiatives, Singapore, which designated 2018 as its Year of Climate Action, joins 11 other Asia-Pacific cities<sup>1</sup> that have created recycled plastic art installations for the UN Environment's campaign.

"Beat Plastic Pollution" is also the theme for World Environment Day 2018. Globally, 13 million tonnes of plastic enter the ocean every year, threatening marine and human life while destroying natural ecosystems.<sup>2</sup> In Singapore, about 700 million kilogrammes of plastic waste are discarded annually but less than 10% of it is recycled.<sup>3</sup>

To date, CDL and Global Initiatives have rallied 30 like-minded partners from the Private, Public and People (3P) sectors to create three art installations and raise awareness of how plastic pollution affects health, nature and wildlife. The largest of the three installations, *Mori*, is a massive 120-metre long caterpillar which will be made from some 18,000 plastic bottles and displayed at Marina Barrage. *Mori* aims to enter the Singapore Book of Records for the largest number of plastic bottles used in an outdoor art installation.

<sup>1</sup> The 11 cities are Auckland, Bali, Bangkok, Beijing, Davao, Hong Kong, Manila, Seoul, Shanghai, Tokyo and Yangon.

<sup>2</sup> [http://www.worldenvironmentday.global/sites/default/files/toolkit\\_with\\_nature/WED%202018\\_KeyReport\\_v1\\_web.pdf](http://www.worldenvironmentday.global/sites/default/files/toolkit_with_nature/WED%202018_KeyReport_v1_web.pdf)

<sup>3</sup> <http://www.nea.gov.sg/energy-waste/waste-management/waste-statistics-and-overall-recycling>

When completed, the caterpillar sculpture will blossom into a chain of colourful plastic flowers, signifying a waste-to-beauty metamorphosis. Designed by professional architects Mr Kenneth Koh Qibao (age 35) and Mr Brandon Lim Jing Hong (age 30), the sculpture is also a wall for visitors to pledge their commitment to reduce plastic waste and they can share this on social media using the #BeatPlasticPollution and #ClimateActionSG hashtags.

The other two installations *Our Forgotten Sea* and *Singapore's Plastic Iceberg* will be located at CDL's City Square Mall and joint-venture South Beach mixed development respectively.

Prior to the launch of the #BeatPlasticPollution campaign in Singapore, collection points for plastic bottles were set up at seven CDL commercial properties<sup>4</sup> and community spaces such as Our Tampines Hub and Environment Building since 16 May 2018. CDL's hotels, organisers of conventions, marathons, community events, and other companies also contributed plastic bottles they collected. In total, some 40,000 plastic bottles were diverted from the landfills.

Over the next two weeks, about 300 volunteers from all walks of life, including community artists, the National Environment Agency and ITE College East, will come together to create the three art installations to spread the message about plastic pollution.

**Ms Esther An, CDL Chief Sustainability Officer**, said, "Plastic pollution is a global crisis that grows exponentially every year. CDL is honoured to collaborate with Global Initiatives to spearhead the Singapore series of the UN Environment's campaign to beat plastic pollution. We are heartened that partners from the Private, Public and People sectors, as well as members of the public have joined us in the fight against this global threat. CDL is a firm advocate of sustainable development and environmental conservation. Beyond their visual appeal, we hope that the art installations made from recycled plastic bottles will spur greater action and create a wave of change."

**Mr Tony Gourlay, Global Initiatives Chief Executive**, said, "The magnitude of the plastic pollution problem is enormous and the impacts are devastating. We must work together to address this and action-driven campaigns like Beat Plastic Pollution are an important step."

**Ms Isabelle Louis, UN Environment Deputy Regional Director and Representative for Asia and the Pacific**, said, "While plastic has many valuable uses, we have become over reliant on single-use or disposable plastic. This World Environment Day, we want everyone to consider how they contribute to the problem and what they can do to help beat plastic pollution. Really, the mantra is simple: If you can't reuse it, refuse it."

Please refer to the Annex for more information on the three installations and list of participating partners.

For more information about the initiative, please visit [www.cdlsustainability.com](http://www.cdlsustainability.com).

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<sup>4</sup> Central Mall, City House, City Square Mall, Fuji Xerox Towers, Manulife Centre, Quayside Isle and Republic Plaza

### **About UN Environment**

UN Environment is the leading global voice on the environment. It provides leadership and encourages partnership in caring for the environment by inspiring, informing, and enabling nations and peoples to improve their quality of life without compromising that of future generations. UN Environment works with governments, the private sector, the civil society and with other UN entities and international organisations across the world. [www.unenvironment.org](http://www.unenvironment.org)

### **About Global Initiatives**

Global Initiatives is an international company based in Singapore that promotes sustainable partnership solutions to global challenges through film, media projects and public-private initiative driven events. The Responsible Business Forum (RBF) global event series help drive sustainable industry solutions through public-private partnerships that enhance responsible business growth. [www.globalinitiatives.com](http://www.globalinitiatives.com)

### **About City Developments Limited**

City Developments Limited (CDL) is a leading global real estate operating company with a network spanning 100 locations in 28 countries. Listed on the Singapore Exchange, the Group is one of the largest companies by market capitalisation. Its income-stable and geographically-diverse portfolio comprises residences, offices, hotels, serviced apartments, integrated developments and shopping malls.

With a proven track record of over 50 years in real estate development, investment and management, CDL has developed over 40,000 homes and owns over 18 million square feet of lettable floor area globally. Its diversified land bank offers a solid development pipeline in Singapore as well as its key overseas markets of China, UK, Japan and Australia.

The Group's London-listed subsidiary, Millennium & Copthorne Hotels plc (M&C), is one of the world's largest hotel chains, with over 135 hotels worldwide, many in key gateway cities.

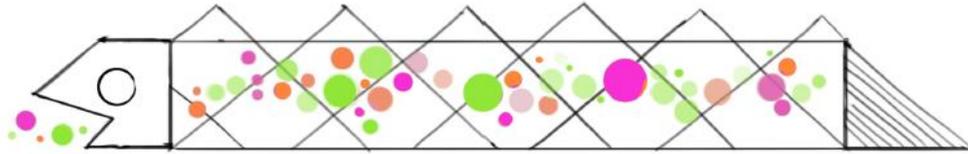
Leveraging its deep expertise in developing and managing a diversified asset base, the Group is focused on enhancing the performance of its portfolio and strengthening its recurring income streams to deliver long-term sustainable value to shareholders. The Group is also developing a fund management business and targets to achieve US\$5 billion in Assets Under Management (AUM) by 2023.

For its steadfast sustainability efforts and performance, CDL is consistently listed on 13 leading global sustainability benchmarks including FTSE4Good Index Series (since 2002), MSCI Global ESG Leaders Indexes (since 2009), Global 100 Most Sustainable Corporations in the World (since 2010) and Dow Jones Sustainability Indices (since 2011). For more information, please visit [www.cdl.com.sg](http://www.cdl.com.sg).

## Annex

### About The #BeatPlastic Pollution Installations

#### [1] Mori by Kenneth Koh Qibao and Brandon Lim Jing Hong



#### Meet *Mori!* An Interactive Plastic Loving Caterpillar

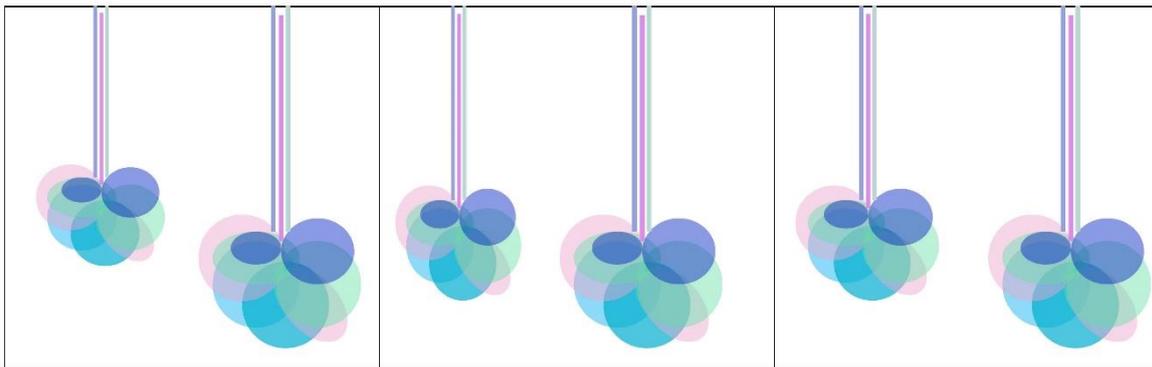
<b>Dimensions:</b>	1.8m x 120m
<b>Materials:</b>	Discarded plastic bottles, eco-friendly paint, bamboo poles and nylon strings
<b>Location:</b>	Marina Barrage
<b>Completion status:</b>	To be completed by end June 2018

#### **Description:**

*Mori* is an interactive plastic sculpture inspired by a giant, hungry caterpillar that grew slowly and blossomed into a chain of colourful flowers over time. Made from some 18,000 discarded bottles, the massive 120-metre long sculpture aims to remind people of the vast amount of plastic waste accumulated daily. If waste could be thought of differently, there will be huge potential to make a difference.

The body of the caterpillar is made of plastic bottle bottoms. Volunteers painted the plastic bottle tops in bright hues, handcrafted them into flower shapes and attached them to the body using bottle caps. The transformative nature of this installation invites volunteers to actively transmute the synthetic, transparent material into a new, colourful form inspired by nature. *Mori's* transformation from a caterpillar to a butterfly signifies the metamorphosis from waste to beauty, making it the ideal pledge wall for UNEP's #BeatPlastic Pollution Campaign.

#### [2] Our Forgotten Sea by Sharyl Lam Hui Ping

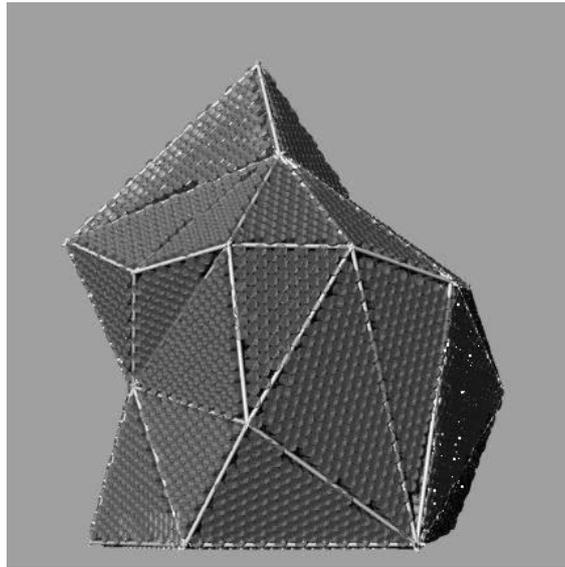


<b>Dimensions:</b>	12.0m x 1.2m and 8.0m x 1.2m
<b>Materials:</b>	Discarded plastic bottles, eco-friendly paint and nylon strings
<b>Location:</b>	CDL's City Square Mall, Level 5
<b>Completion status:</b>	5 June 2018

#### **Description:**

A total of 1,200 discarded plastic bottles were processed to create dimples and ridges on the surface of the artwork. Eco-friendly colour pigments were added to represent the various calming and refreshing water bodies such as the beaches, reservoirs, connected canals and waterways. The rhythmic dialogue of colour and texture is apparent along its length, lending itself a cool soothing appearance unique to each panel.

### **[3] Singapore's Plastic Iceberg by Mathieu Meur and Oriane Guyon**



**Dimensions:** 4m x 3m x 2m  
**Materials:** Discarded plastic bottles, PVC pipes, and fishing line  
**Location:** South Beach Avenue Basement 1 Plaza  
**Completion status:** 5 June 2018

#### **Description:**

*Singapore's Plastic Iceberg* represents the expression "Tip of the iceberg", highlighting the massive scale of plastic pollution, which is most often unnoticed by the public. 50 Ocean Geographic volunteers spent 36 hours to painstakingly create this sculpture using 16,000 discarded plastic bottles.

The current plastic crisis is suffocating the ocean. A recent report<sup>5</sup> indicate that 12,000 pieces of micro-plastic particles were found per litre of sea ice in core samples taken from five regions in the Arctic Ocean. These particles range from fragments of packaging, paints, nylon and polyester, to cellulose acetate (used in cigarette filters). Previous research estimated that one trillion tonnes of plastic had been frozen in the Arctic ice over past decades, making it a major global sink for plastic pollution, many times more concentrated than the infamous Great Pacific Garbage Patch.

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<sup>5</sup> <http://www.dailymail.co.uk/wires/pa/article-5652113/New-high-levels-microplastic-pollution-Arctic-ice.html>

## List of Participating Partners

### Key Partners:

ACTCO  
DSM  
Hilton  
Paia Consulting

### Official Paint Sponsor:

Nippon Paint Singapore

### Corporate Partners:

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Eco-Business  
Fuji Xerox Singapore  
Hyflux Ltd  
Khoo Teck Puat Hospital  
NTUC Fairprice Co-operative Limited  
Ocean Geographic  
South Beach Consortium Pte Ltd  
Yishun Community Hospital

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M Hotel Singapore  
M Social Singapore  
Marina Bay Sands  
Orchard Hotel Singapore  
Resorts World Sentosa  
Studio M  
The St Regis Singapore  
W Singapore - Sentosa Cove

### Community Partners and Schools:

Braddell Heights Women's Executive Committee  
BCA Academy  
Green Ambassadors  
Institute of Technical Education (ITE)  
Nanyang Technological University Singapore  
Our Tampines Hub  
Republic Polytechnic  
Schoolhouse By The Bay @ Katong  
Singapore Kindness Movement  
South East Community Development Council  
PCF Sparkletots @ Zhenghua 632A  
Tanjong Katong Secondary School  
Temasek Polytechnic  
UWC South East Aisa

### Supporting Government Agencies:

Centre for Liveable Cities  
National Heritage Board  
Public Utilities Board