

CDL SUSTAINABILITY QUARTERLY REPORT

VOLUME 5: Q2 2018



ON TRACK TO CDL FUTURE VALUE 2030

Into the second quarter of Singapore’s Year of Climate Action, City Developments Limited (CDL) remains dedicated to doing good for the environment and community, while doing well as a developer and landlord of quality and innovative spaces. We launched our eleventh sustainability report: ‘On Track to CDL Future Value 2030’ on 30 April 2018, which tracks our FY 2017 progress towards the robust Environmental, Social and Governance (ESG) goals established under the CDL Future Value 2030 sustainability blueprint. At the annual Building and Construction Authority (BCA) Awards 2018, we were honoured as the most awarded private sector property developer and the inaugural recipient of the Built Environment Leadership Platinum Star Award. To commemorate World Environment Day, we took on the mantle of beating plastic pollution, in collaboration with the UN Environment and Global Initiatives. It was a massive effort which saw 300 corporate and community artists transform 40,000 used plastic bottles into three beautiful art installations to raise awareness of this pernicious global problem.

We are proud to be the first Singapore real estate company to have our targets validated by the [Science Based Targets Initiative \(SBTi\)](#). In our [press statement](#) issued in July 2018, we shared our enhanced carbon emissions intensity reduction targets and building materials’ embodied carbon reduction targets for 2018 and 2030. In addition, we have raised our energy and water reduction targets to aim for more ambitious reductions in our resource consumption. These new targets are reflected in this report as we continue to diligently monitor our progress towards our annual interim and 2030 ESG targets.

CONTENT INDEX

 <p>Pg 2</p>	<p><u>Q2 2018 Sustainability Performance Progress</u></p>	 <p>Pg 4</p>	<p><u>Launch of the CDL Integrated Sustainability Report 2018</u></p>
 <p>Pg 5</p>	<p><u>Recognition for Sustainable Built Environment and Environmental, Health and Safety Leadership</u></p>	 <p>Pg 7</p>	<p><u>Sustaining the Ocean: CDL Moves to Beat Plastic Pollution</u></p>
 <p>Pg 8</p>	<p><u>Joining Hands with the Community to Do Good</u></p>	 <p>Pg 9</p>	<p><u>Empowering Youths to Take Action for the Climate</u></p>
 <p>Pg 11</p>	<p><u>Advocating Thought Leadership, Advancing Sustainability Agenda</u></p>	 <p>Pg 16</p>	<p><u>Sustainability Insights from Global Expert</u></p>

Q2 2018 SUSTAINABILITY PERFORMANCE PROGRESS

Data reported in this quarterly progress tracker may be subjected to variance following an external audit which will take place at the end of 2018.

Legend: Progress Tracking

- Meet interim targets, maintain performance towards meeting 2030 targets
- Fall short of interim target for one year, review current practices
- Fall short of interim target for more than two consecutive years, review and revise targets (if necessary)

Future Value 2030 Goals	2030 Targets (Effective from 2017)	Interim 2018 Annual Targets	To-date Performance (As of Q2 2018)
Goal 1: Building Sustainable Cities and Communities      	Achieve Green Mark certification for 80% of CDL owned and/or managed buildings	≥75%	 75% achieved
	Maintain 100% tenant participation in CDL Green Lease Partnership Programme	Achieve 100%	 100% maintained
	Double our commitment to adopt innovations and technology of green buildings	Average of two innovations or new technology adoptions per year	Annual data to be reported at end of 2018
	Double resources devoted to advocacy of sustainability practices, stakeholder engagement and capacity building	≥100 training programmes and events held in the Singapore Sustainability Academy (SSA) per year	 74 events
Goal 2: Reducing Environmental Impact    	Achieve science-based target of reducing carbon emissions intensity by 59% ¹ from 2007 levels	40% reduction ²	 34% reduction
	Reduce energy usage intensity by 35% ³ from 2007 levels	29% reduction	 28% reduction
	Reduce water usage intensity by 38% ³ from 2007 levels	32% reduction	 36% reduction
	Reduce total waste intensity by 50% from 2016 levels	0.7% reduction	 2% increase Review in progress to step up waste minimisation and recycling practices
	Ensure 100% of appointed suppliers are certified by recognised environmental, health and safety (EHS) standards	≥30% of suppliers appointed by Asset Management Division; 100% of main contractors and ≥30% of consultants appointed by Property Development division	Annual data to be reported at end of 2018
Reduce embodied carbon of building materials by 24% ¹ compared to their conventional equivalents	7% reduction for new projects awarded from 2018 onwards	Data to be reported at end of 2020 ⁴	

Goal 3: Ensuring Fair, Safe and Inclusive Workplace  	Maintain Zero corruption and fraud incident across CDL's core operations	Zero	○○● Zero corruption and fraud incident
	Maintain Zero fatality across CDL's operations and direct suppliers in Singapore	Zero	○○● Zero fatality
	Maintain Zero occupational disease across CDL's operations and direct suppliers in Singapore	Zero	○○● Zero occupational disease
	Maintain Zero Accident Frequency Rate (AFR)⁵ for our employees within CDL premises	≤ 1.9 ⁶	○○● Zero AFR
	Maintain AFR of 1 or less for direct suppliers at CDL construction sites	≤ 1	○○● Zero AFR
	Maintain AFR of 1 or less for direct suppliers at CDL managed properties	≤ 1.9 ⁶	○○● 0.99 AFR One reportable incident ⁷

Note:

¹ Target revised upon SBTi's validation on 18 July 2018.

² For Scope 1 direct emissions and Scope 2 indirect emissions from purchased electricity only. CDL's activities are purely real estate. The direct emissions from construction activities from our construction contractors are reported under Scope 3 emissions. CDL has set separate targets to address our scope 3 emissions for capital goods and investment. For more information, please visit www.sciencebasedtargets.org

³ Targets for 2030 have been revised based on 2017 performance.

⁴ Based on the life-cycle of our property development projects, embodied carbon data for building materials are only available 2 years after a project has been awarded.

⁵ Accident Frequency Rate (AFR) refers to the number of workplace accidents per million manhours worked.

⁶ Based on 2017 Real Estate Services Industry Average found in the WSH National Statistics 2017 Report provided by Workplace Safety & Health (WSH) Institute and the Ministry of Manpower (MOM). For more information, please visit www.mom.gov.sg.

⁷ Reportable incident refers to work-related accident, workplace accident, dangerous occurrence and occupational disease that require statutory reporting to the MOM, as mandated by the Singapore WSH Act.

ON TRACK TO CDL FUTURE VALUE 2030: LAUNCH OF THE CDL INTEGRATED SUSTAINABILITY REPORT 2018

On Track to CDL Future Value 2030 Sustainability Goals



CDL published our latest Integrated Sustainability Report 2018: On Track to CDL Future Value 2030 on 30 April 2018. The report shows our progress towards the material ESG goals and targets established under the CDL Future Value 2030 sustainability blueprint released in 2017, which is aligned to 10 relevant Sustainable Development Goals (SDGs). Our eleventh sustainability report continues to be in line with the Global Reporting Initiative's Standards and the International Integrated Reporting Council's (IIRC) Integrated Reporting principles, which CDL has adopted since 2008 and 2015 respectively.

Recognising the increased demand from investors and stakeholders for greater transparency and accountability on climate change, CDL has become one of the first Singapore companies to voluntarily publish our climate-related financial disclosures in four key areas as recommended by the Task Force for Climate-related Financial Disclosures (TCFD). We also commenced a climate change scenario analysis in line with the TCFD's recommendations to assess climate-related risks and opportunities across our key portfolio in major markets under different scenarios and better inform our strategy in managing the financial impacts that climate change will have on our business.

For this report, a comprehensive materiality assessment was conducted in 2017 to reassess and prioritise CDL's material ESG issues. The study considered feedback from 160 of CDL's key stakeholders and advice from an expert panel comprising senior representatives from the IIRC, World Green Building Council and National University of Singapore's Asia Pacific Centre for Environmental Law. Innovation, Energy Efficiency and Renewable Energy, Product Quality and Responsibility and Occupational Health, Safety and Well-being were identified as CDL's top four ESG issues.

More information on CDL's sustainability efforts, CDL Future Value 2030 goals, targets and progress, as well as the full CDL Integrated Sustainability Report 2018 can be found on www.cdlsustainability.com.

RECOGNITION FOR SUSTAINABLE BUILT ENVIRONMENT AND ENVIRONMENTAL, HEALTH AND SAFETY (EHS) LEADERSHIP

Leading the Charge in Sustainable and Friendly Built Environments at the Building and Construction Authority (BCA) Awards 2018

Supporting SDGs:



At the annual BCA Awards 2018, CDL was honoured to be the first and only private sector property developer to receive the inaugural Built Environment Leadership Platinum Star Award. This pinnacle Award is accorded to organisations that have held the Built Environment Leadership (Platinum) award for at least five years. It recognises their excellence and leadership in shaping a safe, high quality, sustainable and friendly built environment in Singapore.

For decades, CDL has committed our projects for assessment under the Quality Mark scheme to ensure high standards of workmanship. Our developments have also consistently excelled under the Construction Quality Assessment System, even though it is not mandatory for all private sector projects to be assessed. We were thus honoured to receive this prestigious award as testament to our unwavering pursuit of quality excellence.

With 25 accolades, CDL was also the most awarded private sector property developer this year. Out of these, 12 were Green Mark Awards that recognise the strong environmental performance of CDL's projects. For more than a decade, CDL has set targets to achieve Green Mark Gold^{PLUS} for all of our new projects – two tiers beyond BCA's mandatory certification level.

We were also recognised for our outstanding tenant engagement for collective low-carbon practices, through both flagship initiatives like the CDL Green Lease Partnership Programme initiated in 2014, and new and ongoing efforts to support and empower tenants to reduce their energy use and waste intensity. We recognise that user behaviour is crucial for achieving a building's overall energy efficiency. For these efforts, CDL's City Square Mall was the first and only mall to receive the Green Mark Pearl Prestige at the BCA Awards 2018. CDL was the only developer to receive this top-tier award for four consecutive years.

City Square Mall was also the first and only mall to be conferred the inaugural BCA-Ministry of Social and Family Development (MSF) Universal Design (UD) Mark for Family-Friendly Business. This new award category recognises businesses that incorporate user-friendly infrastructure and family-friendly services and processes in their facilities. For example, City Square Mall provides inclusive playgrounds, services and events that cater to families, and has a customer service team that is trained to identify and help family shoppers who may need assistance.

More information about CDL's performance at the BCA Awards 2018 can be found [here](#).

CDL Achieves a Local First in Carbon Metric Disclosures

Supporting SDGs:



Republic Plaza, CDL's flagship office building, is the first in Singapore to attain the **ISO 16745** certification for its carbon metric disclosure. This standard defines a globally applicable common method of determining and reporting the carbon metric of an existing building. Under this certification, the greenhouse gas (GHG) emissions arising from the measured energy use during the operation of the building, the measured user-related energy use, and other relevant GHG emissions, associated with the operation of the building were verified by an external verification body. The certification was achieved with **Reasonable Assurance**, the higher of two assurance levels.

The building and construction industry, which accounts for around one-third of global emissions, plays a crucial role in keeping the global temperature at sustainable levels. Research from the World Green Building Council has suggested a "monumental and coordinated" effort from businesses and governments to ensure all buildings operate at net-zero carbon by 2050.

Using the ISO 16745 approach, carbon metric reports provide a baseline for reporting and for the performance comparability against global standards in an international context, enabling the carbon metric performance of Republic Plaza to be assessed in a consistent and comparable way. This enables CDL to better assess and manage our environment performance as the company continues to strive towards reducing carbon emissions and increasing resource efficiency.

More information about ISO 16745 can be found [here](#).

CDL Receives Recognition for Excellence in Workplace Safety and Health

Supporting SDGs:



CDL is the proud recipient of the BizSAFE Mentor Recertification for the fourth consecutive time. We were the first private sector developer to be awarded and inducted as a BizSAFE Mentor in 2010.



BizSAFE Mentors, which are organisations that have demonstrated excellent Workplace Safety and Health (WSH) performance and leadership, guide BizSAFE Enterprises as they progress in the programme. As a Mentor, CDL has shared our experience and best practices through forums, briefings and site visits, and conducted training and workshops to impart WSH management practices and techniques. In February 2018, CDL received a Special Recognition Award as a long-serving BizSAFE Mentor for contributions to the WSH community. Through close and consistent engagement with our contractors and consultants, CDL will continue to champion WSH best practices in the industry.

More information about BizSAFE can be found [here](#).

SUSTAINING THE OCEAN: CDL MOVES TO BEAT PLASTIC POLLUTION

Joining Hands with 11 Cities and our Community; Beating Plastic Pollution through Art

Supporting SDGs:



CDL joined forces with Global Initiatives to advocate against plastic pollution, rallying partners to create three art installations using recycled plastic bottles as part of the Singapore series of UN Environment's #BeatPlasticPollution Campaign. Singapore joined 11 other Asia-Pacific cities to create recycled plastic art installations for the campaign. The launch was held on World Environment Day, 5 June 2018 at Marina Barrage, graced by Senior Minister of State for the Environment and Water Resources, Dr Amy Khor.



#BeatPlasticPollution, the theme for World Environment Day 2018, aims to bring awareness to this escalating and urgent global problem. Globally, 13 million tonnes of plastic enter the ocean every year, threatening marine and human life while destroying natural ecosystems. In Singapore, about 700 million kilogrammes of plastic waste are discarded annually but less than 10% is recycled.

CDL and Global Initiatives rallied 30 like-minded partners from the Private, Public and People (3P) sectors to create the three art installations pictured above. The joint effort raised awareness of how plastic pollution affects health, nature and wildlife. The largest of these, *Mori*, is a massive 120-metre long caterpillar which was made from some 18,000 plastic bottles and displayed at Marina Barrage. It entered the Singapore Book of Records for the longest sculpture made of plastic bottles.

More information about the global #BeatPlasticPollution campaign by UN Environment can be found [here](#).

CDL Embraces Life Under Water by Celebrating the International Year of the Reef

Supporting SDGs:



In conjunction with the Asia Dive Expo (ADEX) 2018 and the International Year of the Reef 2018, Ocean Geographic founder and marine photographer Michael Aw gathered key ocean conservationists for an exclusive event at the SSA to share a call for action around marine conservation. The event saw an attendance of over 60, including Her Excellency Margriet Vonno, Ambassador of the Kingdom of the Netherlands to Singapore, Chairman of the Shell Companies in Singapore Ms Goh Swee Chen, CDL Group CEO Mr Sherman Kwek, and director of documentary 'A Plastic Ocean' Mr Craig Leeson.





Acclaimed songstress and ocean conservation spokesperson Ms Kristin Hoffmann performed “Song for the Ocean”, backed by a youth choir group put together by CDL.

With Director Craig Leeson in attendance, an abridged version of his award-winning documentary “A Plastic Ocean” was screened. The groundbreaking film was shot in 20 locations across the world over four years and explores the fragile state of our oceans while uncovering alarming truths about plastic pollution and devising working solutions that can be put into immediate effect. The audience was also treated to an exclusive preview of Michael Aw’s short film, “Facing Grace”, starring Hong Kong actress Hidy Yu, before its global launch the next day. It showed artfully how sharks and humans can live harmoniously together. The audience then had a lively sharing session with the panelists, which included Michael Aw, Kristin Hoffmann, Craig Leeson, and Hidy Yu.



Mr Sherman Kwek closed the evening by pledging his support and commitment to save the oceans, reiterating the importance of environmental conservation for all.

CDL’s South Beach Makes a Splash in the international “Song for the Ocean” Music Video



On 8 June, the global launch of the “[Song for the Ocean](#)” music video put South Beach, JW Marriott Hotel Singapore South Beach and the Singapore skyline on the global stage, when it was screened for the first time at the Explorer’s Club in New York. The song was written by Kristin Hoffmann, inspired by her love of the ocean. Launched by Dr Sylvia Earle in commemoration of World Ocean Day, the music video featured the youth choir supported by CDL and was coordinated by Francis Liew. It received over 10,000 views worldwide via YouTube, Facebook and Ocean Geographic on launch day.

Empowering CDL’s Staff to Beat Plastic Pollution

Supporting SDGs:



Following the star-studded event at the SSA to raise awareness around plastic pollution and ocean conservation, CDL Group CEO Sherman Kwek called for CDL’s staff to cut down on their plastic usage to preserve marine life. A company-wide screening of ‘[A Plastic Ocean](#)’ was held on 27 April 2018 in conjunction with Earth Day 2018, to galvanise our staff to act on this pressing global issue. Close to 100 CDL staff gathered to watch the film, where Mr Sherman Kwek personally delivered the opening remarks.

JOINING HANDS WITH THE COMMUNITY TO DO GOOD

“Kampong Times”: Making a Splash at Assisi Fun Day 2018!

Supporting SDGs:



Over 400 senior management and employees from CDL, our subsidiaries Millennium & Copthorne Hotels plc (M&C) and CBM Pte Ltd, as well as sister company Hong Leong Finance, exemplified the “kampong spirit”, giving their time and talent generously at Assisi Fun Day 2018.

Themed “Kampong Times”, the annual carnival is the Hospice's largest fundraising event. CDL and M&C (Copthorne King's Hotel, Grand Copthorne Waterfront, M Hotel and Orchard Hotel) set up eight stalls selling a variety of food and drinks to some 10,000 visitors, while CBM lent their manpower and expertise to the smooth running of the carnival.

The highlight of this year's event was The CDL Challenge, which saw CDL Group CEO Mr Sherman Kwek on the dunking machine. He made a splash for charity, and was successfully dunked by Patron of Assisi Hospice, Ms Ho Ching, Guest-of-Honour, Minister for Education Mr Ong Ke Yung, Chairman of Assisi Hospice's Fundraising Committee, Mr Jeffrey Seah, and the son of Assisi Hospice's former patient Mr Phua Swee Eng, Mr Phua Zhi Wei. The CDL Group raised a record total of \$234,000 for Assisi Hospice through its efforts, with the dunking segment alone bringing in \$183,000.



Mr Kwek said, “I am deeply heartened by the strong support from our staff, business associates, friends and the community. Their generous contributions will go towards helping Assisi Hospice sustain its impactful and far-reaching work. Every dollar raised will make a difference to the Hospice's patients and their loved ones.”

EMPOWERING YOUTHS TO TAKE ACTION FOR THE CLIMATE

CDL Presents Innovative Sustainability Start-ups at the Sustainable Solutions Expo

Supporting SDGs:



The inaugural Sustainable Solutions Expo (SSE) was organised by the Global Compact Network Singapore (GCNS), as a regional platform to showcase small and medium enterprises (SMEs) providing sustainable solutions across various industries. Held on 5 & 6 June 2018, the SSE gathered practitioners to showcase best practices and solutions to address various SDGs and create business opportunities.

As part of our commitment to youth development and pioneering sustainable urban solutions, CDL showcased two start-ups with innovative solutions for a low-carbon future and the circular economy at the SSE. Founded by young and passionate Singaporeans, award-winning start-ups UglyGood and Gush! have built established client bases among established organisations such as the Singapore Zoo and Night Safari, and Distrii Republic Plaza, Singapore's single largest tech-driven co-working space. Besides providing them exposure to potential investors and partners, CDL is exploring collaboration opportunities with both start-ups, as part of our ongoing bid to improve sustainability along our value chain.

UglyGood turns waste into resources by providing innovative end-to-end recycling solutions. **Gush!** produces innovative air-purifying paint solutions that combat indoor air pollution in a sustainable manner.

Grooming Eco-Champions of Tomorrow: The CDL E-Generation Challenge is back!

Supporting SDGs:



CDL launched the 9th edition of the CDL E-Generation Challenge 2018 on 4 June, in partnership with the Global Green Economic Forum (GGEF) and OCBC Bank. Established in 2010, the youth-centric competition aims to engage youths aged 18 to 35 to champion environmental conservation and reduce their carbon footprint by adopting good practices. This year, the Challenge will send two winners on a research expedition to Raja Ampat helmed by Dr Sylvia Earle, renowned oceanographer and explorer. It calls for youths' solutions to SDG: Climate Action (#13) and Life Below Water (#14), complementing the International Year of the Reef 2018.

The 2017 competition was the inaugural edition to take on a revamped format which sought youths' comprehensive and urgent solutions to climate change. It saw a slew of applications from prominent youths in the local sustainability scene. Jessica Cheam, founder of Eco-Business and Inch Chua, local singer-songwriter, emerged as the winners of a two-week expedition to Antarctica in March 2018. The prestigious opportunity was part of the Climate Force: Antarctica 2018 led by O.B.E. Robert Swan, renowned environmentalist and explorer, and first man to set foot on both the North and South Poles.



Upon returning from the expedition, both winners were inspired by the once-in-a-lifetime journey to showcase their takeaways to the public through creative formats. Inch Chua unpacked her experience with an exclusive showcase of songs written in response to Antarctica, titled "No Man's Land". Performed on 19 May 2018 to a full house, this was the first of a three-part performance which will culminate in a full-length production in 2019, in collaboration with local theatre company TheatreWorks. Jessica Cheam launched a photo exhibition and short documentary, 'Changing Course', at the Singapore Botanic Gardens on 4 June.

It included a collection of 70 photos and the documentary was filmed with the support of award-winning filmmaker Fraser Morton. The public exhibition ran from 1 June to 12 July 2018 and was opened by the Minister for the Environment and Water Resources Mr Masagos Zulkifli.



More information about "[No Man's Land](#)" and "[Changing Course](#)" by Inch Chua and Jessica Cheam respectively can be found at the above links.

The Singapore Sustainability Academy: One Year and Going Strong

Supporting SDGs:



On 5 June 2017, the [SSA](#) opened its doors for the first time. Within a year, the SSA hosted over 120 events and training programmes, 4,500 visitors, and established 140 partnerships with like-minded individuals and organisations from Singapore and beyond to advance action and awareness of sustainability and climate action. In 2018, the SSA continues to serve as a major platform for businesses, the community and youth to gather in pursuit of a more sustainable Singapore and planet through events and trainings, networking sessions and high-level meetings. It is proud to have hosted some 74 events and trainings as of Q2 2018. Some key events are outlined below.

1. Colugo Scouts' Screening of 'A Plastic Ocean', 15 April



In a bid to present to cub scouts the extent of the plastic pollution problem globally and in Singapore's waters, the Colugo Scouts organised a screening of 'A Plastic Ocean' at the SSA for 41 scouts and their parents. The event complements the SSA's role as a platform for marine conservationists and enthusiasts to inspire each other about the importance of curbing plastic use for our oceans.

2. Sustainable Living Lab's Circular Design Product Launch and Exhibition, 21 April



The launch event and exhibition showcased the work of participants from Sustainability Circle, an eight-week intensive Circular Design workshop that follows the Circular Design Guide by the Ellen MacArthur Foundation and global design and innovation firm IDEO. To a public audience of 40, participants from various backgrounds, such as engineers, designers and business developers who joined the programme, showcased the circular design products of their invention, alongside a sharing of their experiences, during the event.

3. Jane Goodall Institute Singapore – Earth Day Volunteer Appreciation Event, 21 April



The Jane Goodall Institute of Singapore (JGIS) said a big 'thank you!' to their volunteers through a Volunteer Appreciation Event held at the SSA, which gathered 15 from their network who have been contributing regularly to the Institute's activities and events. The gathering further served to educate them of the damaging effects of plastic use and showcase those who have been actively cutting plastic use in their daily lives.

4. The Economist Corporate Network Sustainable Business and Investing Event, 26 April



The Economist Corporate Network gathered 40 senior business leaders from a range of industries from finance, to retail and real estate, for a panel discussion and networking session about sustainable business and investing.

The panel comprised experts in sustainable financing and ESG best practices from DSM, Fidelity International, WWF Singapore, CDL, and The Economist Corporate Network.

5. NEA Preparatory Training on Climate Change Communication and Facilitation, 28 April



In view of the urgent need for effective communications about Climate Change, the National Environment Agency (NEA) organised a training session for 15 youths on how to create strategies to address this topic in their own communities. The training, conducted by Assistant Professor Sonny Rosenthal from the Nanyang Technological University (NTU) Wee Kim Wee School of Communication and Information, also gave participants a chance to create and refine their own strategies, and showcased examples of successful climate change campaigns such as the recently concluded Feeding the 5000 event by Gone Adventurin', held at City Square Mall with CDL's support.

6. Public Awareness and Consultation on the Wild Animals and Birds Act, 4 May



Member of Parliament for Nee Soon Constituency and founder of the Animal Concerns Research and Education Society (ACRES) Mr Louis Ng, together with his legislative team, organised an event to seek the public's inputs and feedback on potential amendments to the Wild Animals and Birds Act (WABA). WABA, a piece of legislation dating to the 1960s, is the principal law that governs the protection of Singapore's wildlife. Seeking to propose changes to WABA through a Private Members' Bill in parliament, they held this session to seek Singaporeans' views about the potential amendments.

7. China Europe International Business School Visit to the SSA, 23 May



Some 40 students in the China Europe International Business School's Executive MBA Programme visited the SSA as part of a learning journey to Singapore. The group comprised high-level professionals from senior management and boards of directors, hailing from a variety of industries in China. Through the visit and a sharing by CDL Chief Sustainability Officer (CSO) Esther An, the delegation gained a deeper understanding about CDL's sustainability efforts towards a greener environment and across different geographical regions including China. Afterwards, they

visited South Beach to experience CDL's sustainable design and technologies for themselves and were highly interested in how to implement South Beach's green innovations in China.

8. UNLEASH Innovation Lab – Climate Action Track Visit to SSA, 1 June



UNLEASH is an annual global innovation lab that brings together 1,000 talents from all over the world to generate ideas and solutions for the SDGs. Held for the first time in Singapore, talents from over 100 countries gathered over six days to ideate and form networks to advance sustainable development.

CDL hosted a visit for 80 talents from the Climate Action track at the SSA, showcasing our sustainability integration and climate action efforts through green buildings, green financing and innovative partnerships, such as the establishment of the SSA. CDL also invited two relevant social enterprises, UglyGood and Gush!, to present their novel products that address climate challenges.

9. Food Waste in Focus cum SSA Anniversary Celebration, 8 June



The SSA celebrated its first anniversary with a group of 40 friends and associates, in conjunction with a Gone Adventurin' reception that touched on the pressing problem of food waste. CDL CSO Esther gave an overview of the SSA's milestones over the past year, as well as upcoming programmes and youth engagement activities such as the recently-launched CDL E-Generation Challenge 2018.

Shifting the spotlight to food waste, Gone Adventurin' then shared their experiences in hosting Asia's first Feeding the 5000 event at City Square Mall in March 2018. Several invited food waste practitioners and experts also spoke about their own solutions to the food waste problem at different stages of the value chain.

10. Sustainable Living Lab (SL2) Event: Plastics in a Circular Economy and Open Source Circular Economy Days, 9 June



To educate the public and promote innovative methods of reducing plastic waste, Sustainable Living Lab organised a Community Lab event and sharing session to get people to rethink how individuals can close the loop on plastic recycling. After a talk about the fundamentals of the circular economy and how consumers can lead low-carbon and zero-waste lifestyles, the event gave participants a chance to make their own reusable plastics. Participants who brought along their own HDPE and PP plastics were able to repurpose these materials into new items during the hands-on session.

11. Singapore Institute of Directors (SID) Current Topics Series on Sustainable Finance, 20 June



Global momentum has been building towards recognition of the role played by ESG factors in investment decisions. These are fast becoming pertinent issues for companies' senior executives and boards to consider. The SID organised an event for directors to learn how these trends will impact their organisations in future, and the financial risks and opportunities associated with climate change. Attended by some 21 directors, it featured opening talks by experts from KPMG and DBS, and a panel discussion involving green financing experts from CDL and Moody's Investor Services.

12. Northland Secondary School's Eco Knowledge Quest and Photo Hunt Challenge, 25-26 June



As part of Northland Secondary School's eco-education programme, several passionate teachers organised a learning journey for 120 students to the SSA and City Square Mall to learn about existing efforts to conserve energy, water and resources. The students took away much knowledge about conservation efforts done on a personal, national and international level, and the students and teachers alike were inspired by the SSA's mission and embodiment of sustainable materials and mission.

13. LepakinSG 'Sea our Shores' Series, April to June 2018



'Sea Our Shores' is a year-long series of workshops held by local environmental interest group LepakinSG, where selected speakers, activists, conservationists and individuals active in the marine conservation arena are invited to conduct talks and hands-on sessions for the public to learn more about Singapore's shores and reefs. The events are in commemoration of the International Year of the Reef 2018.

In April, May, and June, LepakinSG held three workshops at the SSA:

- *April:* 'Treasures of our Shores', where three local conservationists spoke to a 50-strong crowd about the role that Singapore's shores play on the international stage (27 April)
- *May:* Film Screening of '[Albatross](#)', a documentary which studies the newly emerging but major issue of ocean plastic pollution situation through the environmental tragedy taking place on a tiny atoll in the centre of the North Pacific Ocean, where many seabirds have died from ingesting plastic (11 May)
- *June:* A clay modelling workshop just for kids and their parents, was accompanied by a talk on Singapore's diverse marine life (23 June)

14. GCNS Sustainability Professionals Programme (SPP), April to June 2018



Career opportunities in sustainability are growing, amid a mounting push for sustainable business practices locally and globally. The SPP piloted by GCNS and the National Trades Union Congress (NTUC) aimed to equip executives with the skills to take advantage of career opportunities in the green sector. The 10-day programme held over five months gave 30 participants a deeper understanding of key corporate sustainability concepts and frameworks, while exposing them to prominent individuals in the Singapore corporate sustainability scene.

15. 'The Adventurous Fellowship' Equipping and Sharing Sessions, May to June 2018



The Adventurous Fellowship, a flagship programme for youths by local social enterprises Skillseed and Geylang Adventures, is a series of three residential camps that aim to explore Singapore's prevailing social and environmental needs framed under the tri-sector model. Over three weekends in May and June, 32 selected youth fellows attended equipping and sharing sessions at SSA. Representatives from the people, public and private sectors shared their perspectives on three main issues, namely Environment, Inequality and Integration, which were further explored during the camps.

16. NEA Pre-School Environmental Education Workshop, May-June 2018



Some 32 pre-school teachers attended two fun-packed sessions of "Learn, innovate, play", a workshop organised by NEA and Envirioniche LLP. Teachers were taught the fundamentals in environmental education, which included topics such as anti-littering, 3Rs (Reduce, Reuse & Recycle), dengue prevention, environmental hygiene and energy efficiency.

One of the workshop highlights was taking part in a plastic flower-making workshop as part of CDL and GI's #BeatPlasticPollution campaign. Amazed by the sheer amount of plastic bottles collected during the short time, many participants made a commitment to reduce their disposables usage in future.

Promoting Strategic Thought-leadership and Best Practices in Sustainability

Supporting SDGs:



As an early adopter of sustainability and pioneer in green building and green bonds in Singapore, CDL's Senior Management are often invited to share their value-driven sustainability strategy at high-level conferences and academic lectures. CDL's Senior Management were invited to speak at 13 sustainability-focused events including the following speaking engagements in Q2 2018:

1. Fourteenth International Conference on Green and Energy-Efficient Building and New Technologies and Products, 3 April

At this conference held in Zhuhai, China, CDL was invited to join the Conference's Sub-Forum on Technology and Humanity. CSO Esther shared CDL's leadership in a presentation themed 'Technology vs Humanity: Building Green and Smart for Human Good and a Sustainable Future', on a panel comprising green building thought leaders and professors from Tsinghua and Tongji Universities, and Hong Kong's Henderson Group.

2. NUS Bachelor of Environmental Studies Lecture, 5 April

Esther was invited to speak to some 60 final year students from the National University of Singapore's Bachelor in Environmental Studies programme, as part of their module on Environmental Management in Singapore. The class sought to expose students to sustainability practitioners in Singapore who had successfully carved out their careers in the field, as role models for the students aspiring to work in sustainability in future.

3. 15th ASEAN Leadership Forum, 28 April

CDL was invited to speak at this annual forum held around the ASEAN Summit, which was attended by 150 delegates from the region. Singapore's leadership in sustainability is especially significant this year given our role as the ASEAN chair. At the forum, Esther spoke on a panel on "ASEAN Community and the Sustainable Development Goals – Aligning Sustainability at the Core of Integration."

4. Singapore Sustainability Symposium, 3 May

In view of CDL having integrated sustainability into our core business and operations for over two decades, and our recent pioneering issuance of the first green bond by a listed Singapore company, we were invited to speak in the "Economics and Financial Incentives" track as part of the symposium. Esther shared about CDL's journey in "Integrating Sustainability. Creating Business Value with EcoAdvantage" to a 200-strong audience.

5. Green Real Estate Investing & Financing Seminar, 15 May

The seminar, organised by the Asia-Pacific Real Estate Association (APREA) and Global Real Estate Sustainability Benchmark (GRESB), examined real estate opportunities in green financing and investment. Esther was invited to share CDL's experience in green financing at the seminar before 50 investors and industry executives.

6. Asia Venture Philanthropy Network (AVPN) Conference 2018, 4 June

This high-level annual forum on social impact and responsible investing themed 'Maximising Impact', was attended by over 600 impact investors and non-governmental organisations. As a local sustainability leader, Esther was invited to speak at a plenary on 'Purpose-Driven Business Impact' along C-Suite sustainability experts from Milken Institute, Danone, Kimberly-Clark Asia Pacific and the Economic Development Board.

7. Green Finance Conference 2018, 6 June

Organised by the Global Finance Markets Association, the Asia Securities Industry & Financial Markets Association, UN Climate Change Secretariat and UN Economic and Social Commission for Asia Pacific, the conference aimed to explore how Asian capital markets can be best leveraged to support sustainable and climate-aligned economic growth in the region. Esther provided CDL's perspective on green bonds and financing on the panel 'The Role of Asia-Pacific Green Bond Standards' alongside global green financing experts from DNV GL, Amundi Asset Management, Banque de France and the Asia Investor Group on Climate Change, to 150 investors and business representatives.

8. EDGE Green Buildings Finance Workshop Singapore, 8 June

The workshop gave investors, developers and real estate practitioners a chance to interact and learn practical ways to capture the massive USD 13 trillion investment and impact opportunity in East Asia for green buildings and financing. Esther shared CDL's expertise on a panel about 'Experience of Developers and Investors with Green Portfolio' to an audience of 80, alongside fellow experts from IFC Asia Pacific, CapitaLand, Diener Syz Real Estate (Indonesia) and Capital House (Vietnam).

9. Sustainable Ecology Foundation Private Launch, 27 June

The Sustainable Ecology Foundation is a newly-formed non-profit organisation in Singapore to help accelerate Research and Development in healthcare, sustainable technology solutions and quality education for children in order to build a sustainable future. Esther was invited to the exclusive opening event, to share her insights on a plenary session about healthcare and sustainability along the Belt and Road from a corporate perspective.

SUSTAINABILITY INSIGHTS FROM GLOBAL EXPERTS

As part of CDL's continued thought-leadership and advocacy efforts, we have been featuring sustainability insights from experts on our dedicated sustainability microsite: www.cdlsustainability.com. This issue features an expert article by Mr Erik Solheim, UN Environment Executive Director and Under-Secretary-General of the United Nations.

[A Crisis of Convenience](#) puts out an urgent call to action for a movement against the way we currently produce, use and manage plastic. It underscores the UN Environment's simple yet ambitious goal to beat plastic pollution in partnership with individuals, the private sector, and governments around the world.



Mr Erik Solheim was elected to become Executive Director of the UN Environment (UNEP) in 2016. Prior to joining UNEP, he was the chair of the Development Assistance Committee of the Organisation for Economic Co-operation and Development. From 2007 to 2012, he held the combined portfolio of Norway's Minister of the Environment and International Development, and from 2005 to 2007 served as Minister of International Development. He has also served as UNEP's Special Envoy for Environment, Conflict and Disaster since 2013 and a Patron of Nature for the International Union for the Conservation of Nature since 2012.

ADVISOR | Sherman Kwek

EDITOR | Esther An

EDITORIAL TEAM | Sarah Ong, Toh Hui Ran, Hong Sze Yunn, Diane Albeper, Rena Tan, Jen Ong, Rachel See, Tracy Yeow

COPYRIGHT © CITY DEVELOPMENTS LIMITED. ALL RIGHTS RESERVED.

CDL Sustainability Quarterly Report is published by City Developments Limited (CDL). Copyright in the contents of the pages and in the screens displaying the pages, and in the information therein and in their arrangement, is owned by CDL unless otherwise indicated. No reproduction, in part or in whole, or hyperlinking of this newsletter or e-publication website may be made without prior permission of CDL. The views expressed in this newsletter do not necessarily reflect those of the organisation. Information is correct at time of publishing and is subject to changes. Visual representations such as photos are CDL's properties or are granted permission for use by external partners and parties.