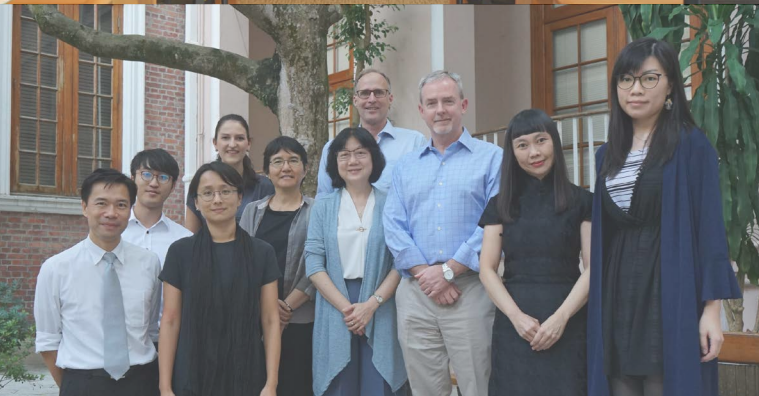
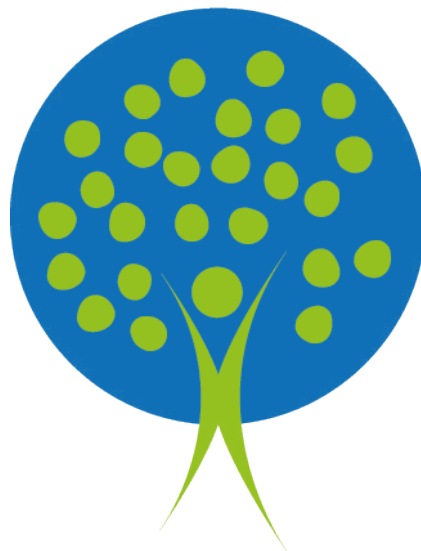


# HONG KONG SUSTAINABLE CAMPUS CONSORTIUM

ANNUAL REPORT 2018-19



香港城市大學  
City University of Hong Kong



香港浸會大學  
HONG KONG BAPTIST UNIVERSITY



Lingnan 嶺南大學  
University 香港 Hong Kong



香港中文大學  
The Chinese University of Hong Kong



香港教育大學  
The Education University  
of Hong Kong



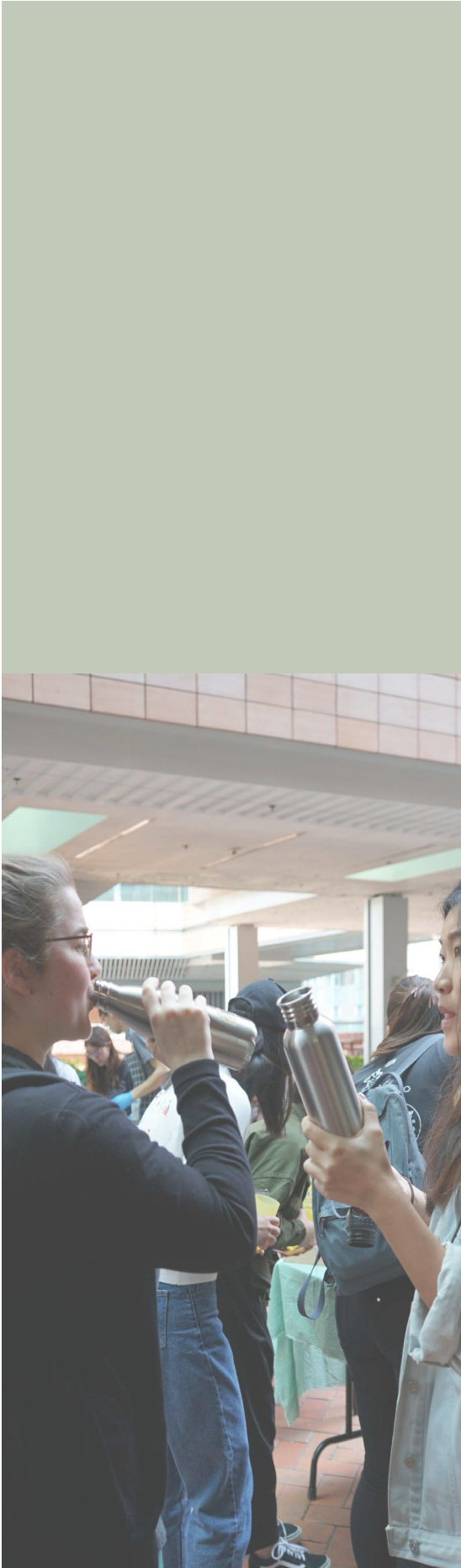
THE HONG KONG  
POLYTECHNIC UNIVERSITY  
香港理工大學



香港科技大學  
THE HONG KONG UNIVERSITY OF  
SCIENCE AND TECHNOLOGY



香港大學  
THE UNIVERSITY OF HONG KONG



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## MESSAGE FROM THE CONVENOR

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It was a bold step for the eight Member University to jointly establish the Hong Kong Sustainable Campus Consortium to collaboratively strive for sustainability in 2010. Now, we have completed a cycle which all eight university took lead respectively to have shaped and grew the Consortium to its present form. HKU is honoured to convene again in 2019. We are incredibly proud of how the consortium has continued to develop over the years and how it allows higher education institutions to lead the way for sustainability in Hong Kong.

This year, thanks to the hard work of the Think Tank on Strategic Planning, the HKSCC agreed on a new strategic plan and identified three working groups to carry out its new visions in this cycle. Alongside the working groups that focus on performance and campaigns, we are excited to launch a new working group on sustainability education which will work on embedding sustainability into university curriculum. In this coming eight years, we are committed to move HKSCC beyond a platform of sharing to a platform for developing more dynamic collaborative sustainability solutions.

2019 has been a challenging yet exciting year for us in the higher education sector; we see the rise of student activism in climate and political issues across the world. Much attention has been put to question the status quo, and in sustainability, this is something always on our mind: how do we create a better world for the younger and future generations?

I very much enjoyed working with the HKSCC members this year, and am looking forward to creating positive, impactful and meaningful changes with the team going forward.

Ms Joy Lam

---

Interim Convenor,  
Hong Kong Sustainable  
Campus Consortium 2019

Head,  
Sustainability Office,  
The University of Hong Kong



First HKSCC Meeting in 2019 at HKU

## HKSCC MEMBERSHIP AND MEETINGS

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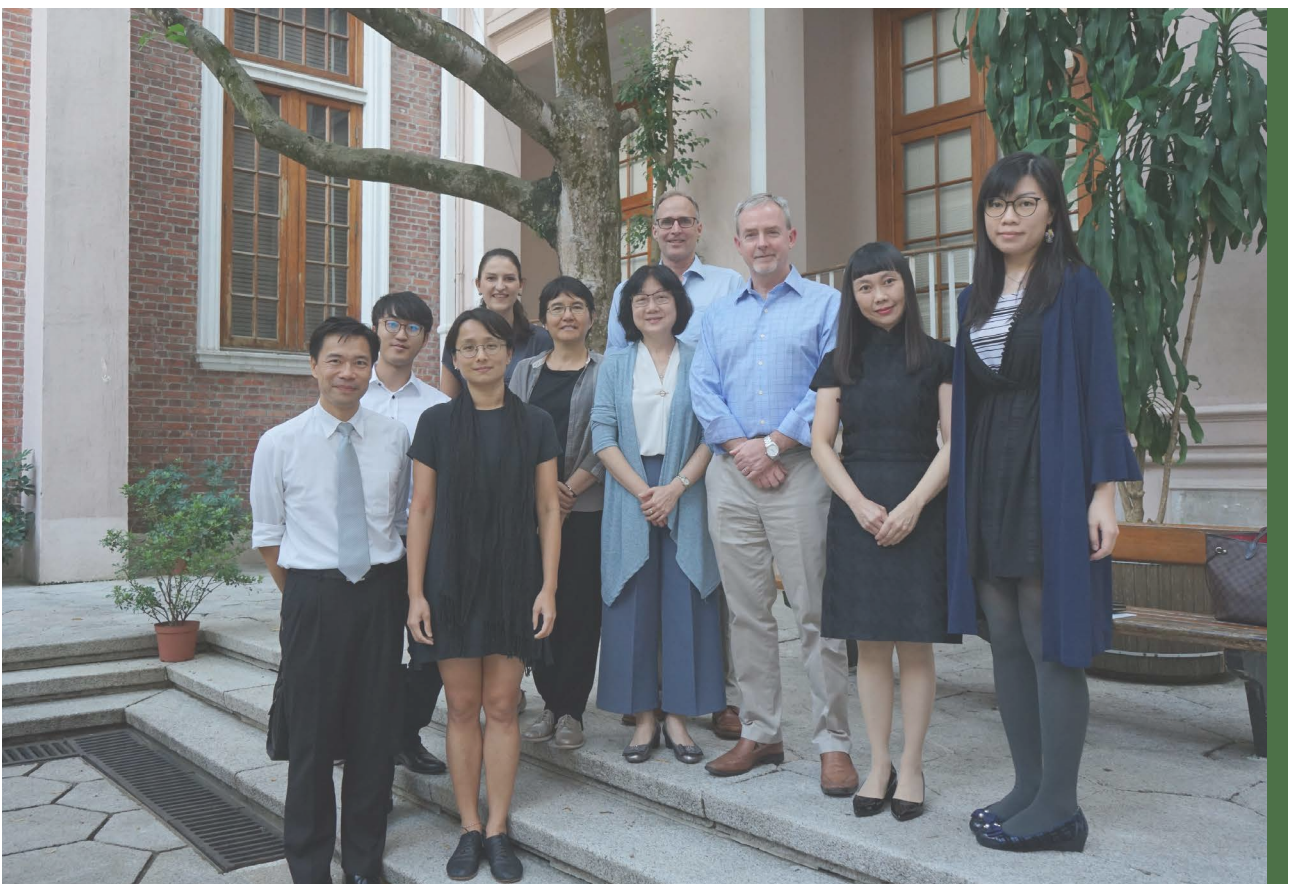
The University of Hong Kong took up the convenorship and provided administrative and secretarial support for the consortium in 2019. HKSCC held three meetings this year. With the endorsement of the 2019-2027 strategic plan, three Working Groups were formed, namely the Working Group on Sustainability Performance, the Working Group on Joint University Campaigns, and the Working Group on Sustainability Education. See appendices for meeting schedules and membership of the working groups.



HKSCC members visited the HKU Herb Garden after the 28<sup>th</sup> HKSCC Meeting

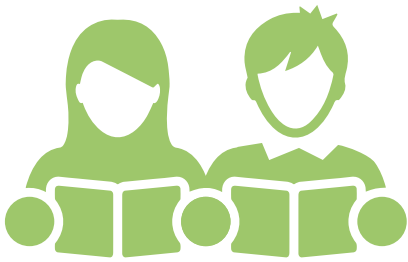


The Working Group on Sustainability Performance held a panel discussion on E-waste collection with industry experts



The Working Group on Sustainability Education was newly formed this year

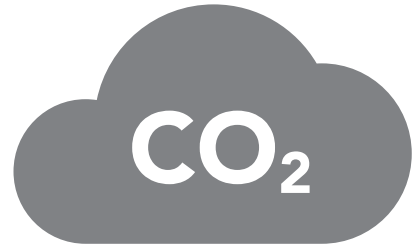
# SUSTAINABILITY FIGURES YEARLY HIGHLIGHTS



**174,303**  
Full-time equivalent



Occupied  
**2,819,042 m<sup>2</sup>**  
of building space

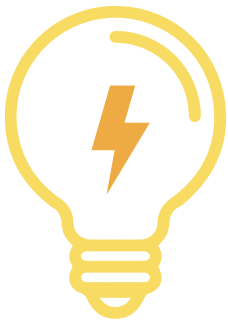


Produced  
**363,672**  
tonnes of greenhouse  
gas emissions



Equivalent to the amount of  
CO<sub>2</sub> that 15,811,826 trees can  
absorb in a year

A mature tree absorbs 23kg of CO<sub>2</sub> per year  
(Carbon removal factor adopted by ISO-14064)

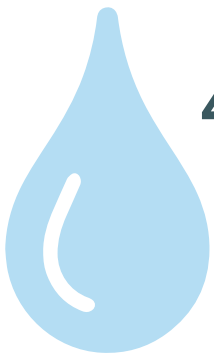


Consumed  
**608,432,586 kWh**  
of energy

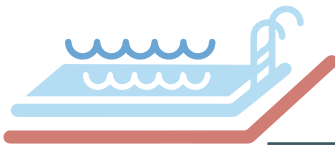
The total electricity  
consumed is  
able to power **133,428**  
regular households for a year



Generated  
**1,795,602 kWh**  
renewable energy

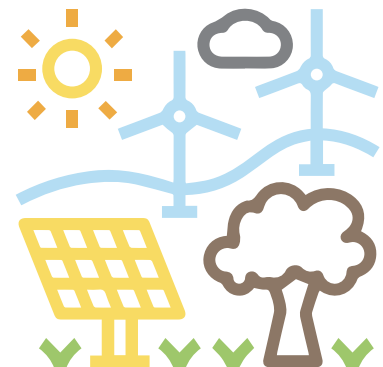


Consumed  
**4,083,647 m<sup>3</sup>**  
of potable water



Equivalent to  
the volume of  
**1,633**  
Olympic size  
swimming pools

The volume of a standard  
Olympic-size swimming pool  
is 2,500m<sup>3</sup>



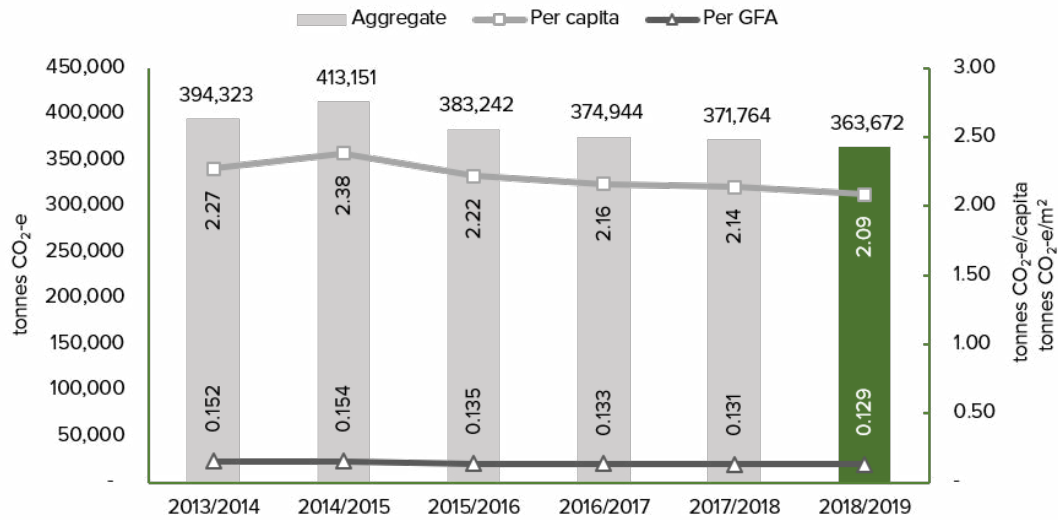
Disposed  
**10,950 tonnes**  
of waste to landfills

Equivalent to the  
weight of  
**730**  
double decker buses



Diverted  
**2,046 tonnes**  
of materials from landfills  
for recycling and reuse

## GREENHOUSE GAS EMISSIONS



In 2018/19, the Greenhouse Gas (GHG) Emissions decreased by 8,092 tonnes of carbon dioxide equivalent (CO<sub>2</sub>-e) compared to the previous reporting period. Both per capita and per gross floor area (GFA) emissions declined by 2.35% and 1.73% respectively. All member universities implemented green initiatives including car fleet management and material selection and energy use to optimize operational needs.

In 2017, the HKSCC supported the Government’s Hong Kong’s Climate Action Plan 2030+ and set a medium-term collective target for the tertiary education sector to reduce aggregate greenhouse gas emissions by 20% by 2020/2021. As of 2018/19, the GHG Emissions has reduced by 5.11% comparing to the 2015/2016 baseline, showing that there are rooms for improvement in our environmental performance.

### Comparison between 2017-18 and 2018-19



AGGREGATE

↓ 2.18%



PER CAPITA

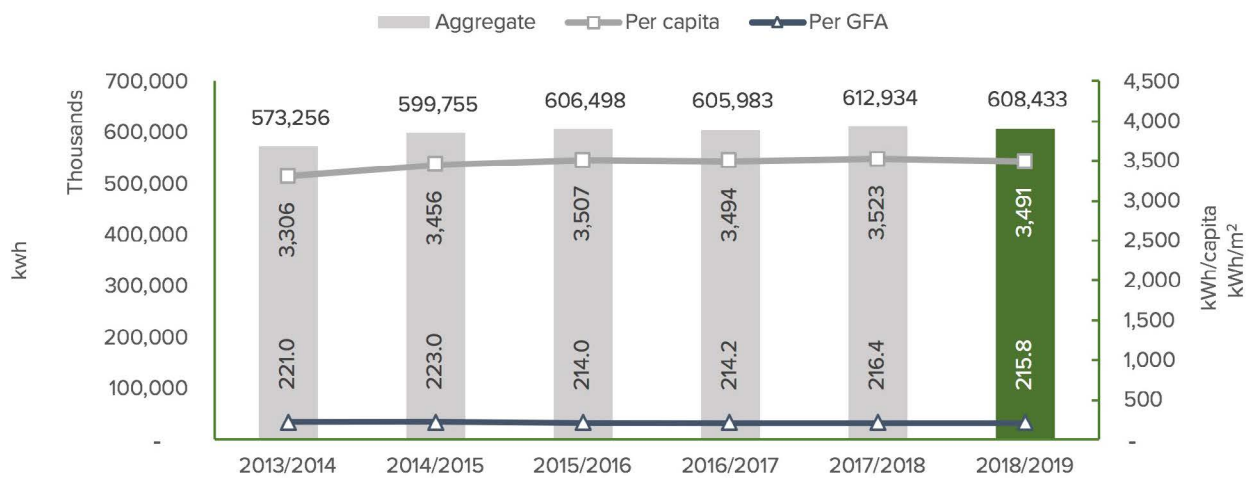
↓ 2.35%



PER GFA

↓ 1.73%

## ENERGY CONSUMPTION



In 2018/19, our overall energy consumption has decreased by 0.7% to 608,432,586 kWh (2017/18: 612,934,198 kWh), mainly due to infrastructure improvements across the universities, such as the replacement of cooling chiller systems and the reduced use of gas-powered dehumidifiers, which reduced both electricity and town gas use. Our energy consumption per capita and per GFA have reduced by 0.91% and 0.28% to 3,491.86 kWh/capita and 215.8 kWh/GFA respectively.

### Comparison between 2017-18 and 2018-19



AGGREGATE

↓0.7%



PER CAPITA

↓0.91%

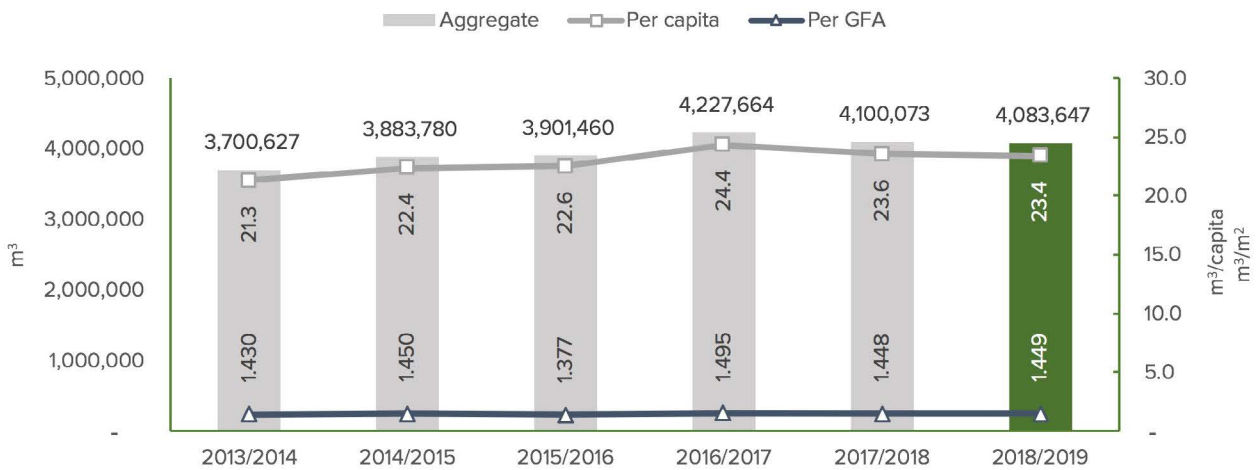


PER GFA

↓0.28%



## WATER CONSUMPTION



The total amount of potable water consumed decreased by 16,426 m<sup>3</sup> to 4,083,647m<sup>3</sup> (2017/18: 4,100,073m<sup>3</sup>), which is a reduction of 0.4%. While the per capita water consumption decreased by 0.58%, the per GFA water consumption increased by 0.05%.

### Comparison between 2017-18 and 2018-19



AGGREGATE

↓ 0.4%



PER CAPITA

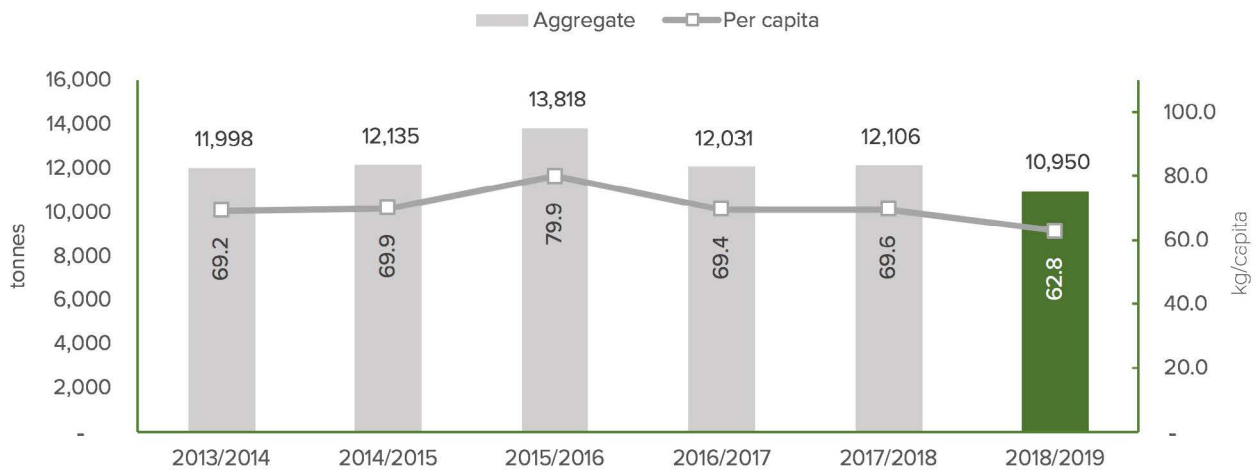
↓ 0.58%



PER GFA

↑ 0.05%

## MUNICIPAL SOLID WASTE



In 2018/19, the total amount of municipal solid waste (MSW) disposed to landfills reduced by 9.54% to 10,950 tonnes (2017/18: 12,106 tonnes). The per capita MSW disposed to landfills reduced by 9.70% to 62.8kg. The significant drop in waste disposal was resulted by the expansion of existing food waste recycling programmes, implementation of glass recycling programmes.

### Comparison between 2017-18 and 2018-19



AGGREGATE

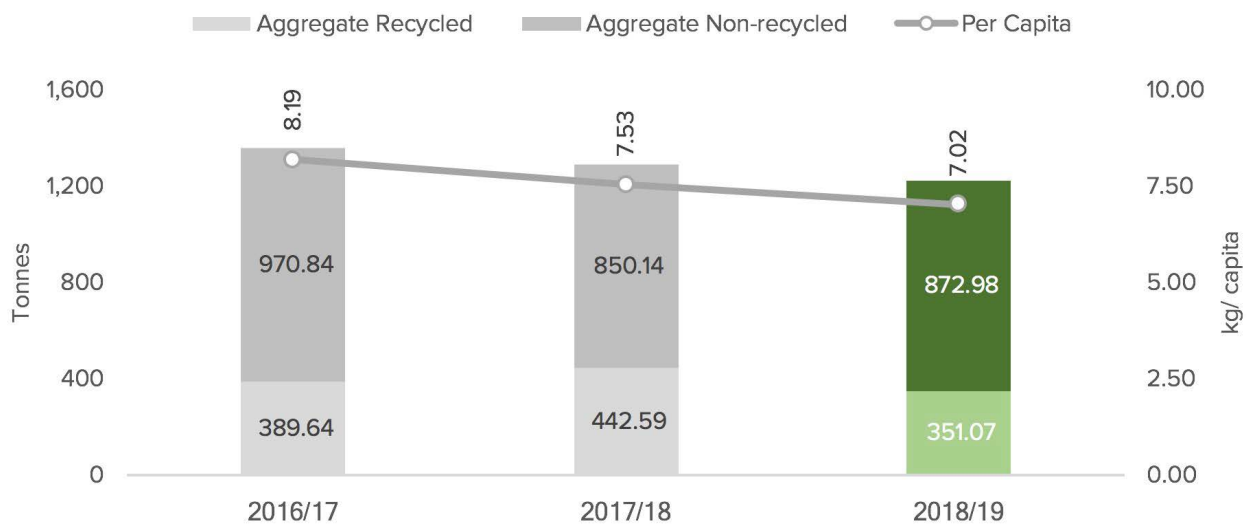
↓ 9.54%



PER CAPITA

↓ 9.70%

## PAPER CONSUMPTION



In 2018/19, the total paper consumption of all member universities reduced by 5.31% to 1,224.05 tonnes (2017/18: 1,292.73 tonnes), and the paper consumption per capita dropped by 6.74% to 7.02 kg/capita (2017/18: 7.53 kg/capita). The paper reduction was resulted by the implementation of paper reduction polices at various member universities. Nevertheless, the percentage of recycled paper used dropped to 28.68% (2017/18: 34.24%), indicating there are rooms for improvement for procuring paper from recycled sources.

### Comparison between 2017-18 and 2018-19



AGGREGATE

↓ 5.31%



PER CAPITA

↓ 6.74%

## OUR PERFORMANCE ACROSS THESE YEARS

HKSCC has been striving to standardise our environmental performance data across all member universities to establish a holistic picture on the environmental footprint of the university sector.

This is the sixth year of the data collection process. Apart from general data, for example, the number of students, staff, and build up area, we also collect environmental indicators such as energy, greenhouse gases, water, solid waste, and paper use. These data allow us to have a clear understanding of our existing performance, and will serve as valuable reference for us to set future performance targets.

The table below shows changes from the first year of data collection, 2013/14 to the most recent year, 2018/19.

		2013/14	2018/19	% Change
Build Up Area (m <sup>2</sup> )		2,530,561	2,819,042	+11.40%
Full-time Equivalent Staff and Students		173,385	174,303	+0.53%
Greenhouse Gas Emissions (t CO <sub>2</sub> e)	Aggregate	394,323	363,672	-7.77%
	Per Capita	2.27	2.09	-8.09%
	Per GFA	0.152	0.129	-15.13%
Energy Consumption (kWh)	Aggregate	573,256,479	608,432,586	+6.14%
	Per Capita	3,306.00	3,491	+5.59%
	Per GFA	221.00	216	-2.34%
Water Consumption (m <sup>3</sup> )	Aggregate	3,700,627	4,083,647	+10.35%
	Per Capita	21.30	23	+9.99%
	Per GFA	1.430	1.449	+1.30%
Municipal Solid Waste	Aggregate	11,998 tonnes	10,950 tonnes	-8.73%
	Per Capita	69.20 kg	63 kg	-9.21%

In general, the member universities have been expanding throughout these years, resulting in the increase of facility size and the number of full-time equivalent students and staff. These increase have contributed towards the increase of aggregate energy and water consumption. Yet, the total GHG emissions of the member universities have declined from 2013/14 to 2018/19 by 7.77% due to infrastructural upgrades of the universities and fuel mix improvements of the local electricity companies. The aggregate and per capita amount of MSW disposed to landfills has dropped significantly by 8.73% and 9.21% respectively, which is a key achievement resulted by the waste reduction policies, such as disposable item bans, recycling policies, and educational campaigns of all member universities.

In the next cycle of convenorship, the consortium will move forward to establish collective performance targets to further promote sustainability among the university sector.

## COLLABORATIVE ACCOMPLISHMENTS

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### A. STRATEGIC PLAN FOR NEXT CYCLE

The Think Tank on Strategic Planning, specially formed last year, developed a strategic plan for the next cycle of the consortium. The members of HKSCC approved the strategic plan, which laid out the visions for the next 8 years.

#### **Vision**

1. Position the Hong Kong higher education sector as a leading voice for building a sustainable community in Hong Kong by being transparent in our goals, targets, and performance
2. Utilize our collective strength, research, and roles as educators to influence change-makers for positive sustainable outcomes
3. Prepare our graduates to succeed in an increasingly resource-constrained world
4. Utilize our campuses as living lab for sustainable innovation, practice and learning

The consortium will work towards this vision through three goals. Three Working Groups were set up to reach the goals and their respective strategies through well-defined tactics.

Goal 1:

**Set a collective set of performance targets**

Goal 2:

**Ensure that 100% of students are exposed to sustainability ideas, concepts and skill-building**

Goal 3:

**Emphasize joint collaborations to demonstrate unity, leverage our strengths, and engage more efficiently**

This new vision and restructuring of working groups will further strengthen the collaborative effects of HKSCC and allow the higher education sector in Hong Kong to continue to be a leader in sustainability. The full strategic plan can be found in Appendix 3.

## B. CONVERSATION WITH E-WASTE CONTRACTORS ON E-WASTE COLLECTION



The Working Group on Sustainability Performance hosted a group of industry professionals for a discussion on the current state of E-waste recycling in Hong Kong. Mr Donald Lim from ALBA Integrated Waste Solutions (Hong Kong), Mr Felix S.L. Chung from EcoSage, and Mr Harold Yip from SSID made up the expert panel.

The panel commented on the current and future state of the E-waste industry and had an honest exchange about government regulations, non-recyclable items, and the end of life for E-waste items. The panel provided valuable intelligence on how universities can ensure that E-waste is being collected properly and disposed of in an environmentally responsible manner. They also offered advice on how to improve E-waste collection on campuses so that the higher education community can continue to be a leader in waste reduction.



## C. CONTINUOUS EFFORT ON JOINT ENVIRONMENTAL CAMPAIGNS

The eight member universities held a second successful joint university campaign this year. UNify: BYO (八大 BYO) was held in March 2019. It encouraged students and staff to bring their own containers when buying food or other items on campus. A BYO Week with special discounts and events, a joint survey, a social media campaign, student ambassadors, and a promotional video was organized across all eight universities.



Campaign events at various campuses

In the following spring, the Working Group on Joint University Campaigns plans to run its third campaign: UNify: Sustainable Living (八大續線日常).

## D. LAUNCHING THE WORKING GROUP ON SUSTAINABILITY EDUCATION

A new working group was launched this year on sustainability education. The aim of the group is to work towards ensuring that 100% of students are exposed to sustainability ideas, concepts, and skill-building. The group is made up of primarily academic representatives from each university with some interested representatives from sustainability offices. The group will first focus on three key strategies of developing a system for assessing sustainability content in coursework, continuing assessments of workforce requirements to strengthen curriculum, and supporting extra-curricular activities for sustainability learning.



## LOOKING FORWARD

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It has been a rewarding year for the HKSCC. The highlight of this year include launching a brand new working group and holding a second successful joint university campaign. With the new strategic plan in place, the consortium is poised to make an even bigger impact moving forward. New collective targets will push all member universities to reduce our environmental impact, and the new focus on education will bring the academic and administrative sides of campus sustainability closer together. Furthermore, our joint campaigns and initiatives will increase sustainability awareness not only on our campuses, but in the wider community as ideas spread among students, families, and friends.

As we enter this new cycle of convenorship, we will continue to collaboratively work towards a greener and brighter future.

## APPENDICES

### APPENDIX 1

## MEETING SCHEDULE UNDER HKU'S CONVENORSHIP

Meeting	Date	Major discussion items
<b>HKSCC Meetings</b>		
27 <sup>th</sup> Meeting	16 <sup>th</sup> May 2019	<ul style="list-style-type: none"> <li>◇ Finalization of 2017/18 Annual report</li> <li>◇ Review of UNify: BYO campaign</li> <li>◇ Campus Environmental Sustainability Index – Environmental Behaviour Survey 2019</li> <li>◇ Presentation of strategic plan for next cycle</li> </ul>
28 <sup>th</sup> Meeting	17 <sup>th</sup> October 2019	<ul style="list-style-type: none"> <li>◇ Review of results of Environmental Behaviour Survey 2019</li> <li>◇ Finalization of strategic plan</li> <li>◇ Report from WGSP</li> <li>◇ Report from WGSE</li> <li>◇ Report from WGJUC</li> </ul>
29 <sup>th</sup> Meeting	21 <sup>st</sup> January 2020	<ul style="list-style-type: none"> <li>◇ Campus Environmental Sustainability Index – Environmental Behaviour Survey 2019 Update</li> <li>◇ HKSCC Strategic Plan Update</li> <li>◇ Report from Working Group On Sustainability Performance</li> <li>◇ Report from Working Group On Sustainability Education</li> <li>◇ Report from Working Group On Joint University Campaigns</li> <li>◇ Draft HKSCC Report 2018-19</li> </ul>
<b>WGSP MEETINGS</b>		
17 <sup>th</sup> Meeting	16 <sup>th</sup> July 2019	<ul style="list-style-type: none"> <li>◇ Review of chairmanship and secretary</li> <li>◇ E-waste management on campus</li> <li>◇ Review of reporting template for annual report</li> <li>◇ Review of progress on 2020/21 carbon commitment</li> </ul>
18 <sup>th</sup> Meeting	14 <sup>th</sup> October 2019	<ul style="list-style-type: none"> <li>◇ Conversation with E-waste contractors</li> <li>◇ E-waste management and potential joint collaboration</li> <li>◇ Data collection for annual report</li> </ul>
19 <sup>th</sup> Meeting	9 <sup>th</sup> January 2020	<ul style="list-style-type: none"> <li>◇ Briefing on Science-Based Targets</li> <li>◇ Discussion on HKSCC aggregate GHG targets setting</li> <li>◇ Discussion on change/disruption in environmental-related operations</li> </ul>
<b>WGJUC MEETINGS</b>		
3 <sup>rd</sup> Meeting	11 <sup>th</sup> January 2019	<ul style="list-style-type: none"> <li>◇ Planning of UNify: BYO campaign</li> </ul>
4 <sup>th</sup> Meeting	21 <sup>st</sup> February 2019	<ul style="list-style-type: none"> <li>◇ Planning of UNify: BYO campaign</li> </ul>



## APPENDIX 2A

## MEMBERSHIP OF THE HONG KONG SUSTAINABLE CAMPUS CONSORTIUM 2019

University	Representatives	Title/ Position
HKU	Dr Steven CANNON (Convenor, Jan- Sept 2019)	Executive Vice President
	Ms Maegan COWAN (Secretary, Jan - Dec 2019)	Project Manager, Sustainability Office
	Mr Oles KWONG (Secretary, Jan 2020 - Present)	Sustainability Analyst, Sustainability Office
	Ms Joy LAM (Interim Convenor, Oct 2019 - Present)	Head, Sustainability Office
	Dr Kaimin SHIH	Professor, Department of Civil Engineering
CityU	Ms Brenda LAI	Director of Facilities Management
	Prof Wen Jung LI	Associate Provost (Institutional Initiatives), Chair Professor of Biomedical Engineering
CUHK	Mrs Cecilia LAM	Director, Campus Planning and Sustainability Office; Director, Jockey Club Museum of Climate Change
	Mr Eric NG	Vice-President (Administration) and University Secretary
EdUHK	Mr Wai Tat LAU	Director of Estates
	Prof Eric TSANG	Associate Dean and Professor, Faculty of Liberal Arts and Social Sciences
HKBU	Dr Shan Shan CHUNG	Senior Lecturer, Department of Biology
	Dr Andy LEE	Vice-President (Administration) and Secretary
HKUST	Mr Davis BOOKHART	Senior Manager, Sustainability Unit; Assistant Adjunct Professor, Division of the Environment
	Prof Jimmy FUNG	Professor and Head, Division of Environment
LU	Prof Mark MCGINLEY	Professor of Teaching and Head of Science Unit; Director of Core Curriculum and General Education
	Mr Ian WOO	Comptroller, Office of the Comptroller
PolyU	Mr Joseph CHAN	Head, Campus Sustainability Office
	Prof Alexander WAI	Vice President (Research Development); Chair Professor of Optical Communications

**APPENDIX 2B****MEMBERSHIP OF THE THINK TANK ON STRATEGIC PLANNING**

University	Representatives	Title/ Position
HKU	Ms Joy LAM (Interim Convenor)	Head, Sustainability Office
HKBU	Mr Michael KWOK	Consultant (Environmental Health and Safety), Estates Office
HKUST	Mr Davis BOOKHART	Senior Manager, Sustainability Unit; Assistant Adjunct Professor, Division of the Environment
LU	Prof Mark MCGINLEY	Professor of Teaching and Head of Science Unit; Director of Core Curriculum and General Education

**APPENDIX 2C****MEMBERSHIP OF THE WORKING GROUP ON SUSTAINABILITY PERFORMANCE 2019**

University	Representatives	Title/ Position
HKU	Ms Maegan COWAN	Project Manager, Sustainability Office
	Mr Oles KWONG	Sustainability Analyst, Sustainability Office
	Mr Y.C. NG	Assistant Director, Estates Office
	Mr Peter PUN	Senior Technical Manager, Estates Office
CityU	Mr W.K. LEUNG	Senior Safety and Administration Manager, Facilities Management Office
CUHK	Mr Calvin LAI	Assistant Director (Sustainability), Campus Planning and Sustainability Office
EdUHK	Prof Eric TSANG	Associate Dean and Professor, Faculty of Liberal Arts and Social Sciences
HKBU	Mr Dennis HUI (Co-Chair)	Assistant Director of Estates (Environmental Health and Safety), Estates Office
	Mr Cannes WONG (Secretary)	Assistant Officer (Environmental Health and Safety), Estates Office
HKUST	Mr Davis BOOKHART (Co-Chair)	Senior Manager, Sustainability Unit; Assistant Adjunct Professor, Division of the Environment
LU	Ms Angela KWONG	Facilities Management Manager; Office of the Comptroller; Facilities Management Division - Operations & Maintenance
PolyU	Ms Florence YUEN	Campus Sustainability Officer, Campus Sustainability Office

## APPENDIX 2D

## MEMBERSHIP OF THE WORKING GROUP ON JOINT UNIVERSITY CAMPAIGNS 2019

University	Representatives	Title/ Position
HKU	Ms Yuki CHAN	Project Manager, Sustainability Office
	Ms Maegan COWAN (Co-Chair, Jan - Dec 2019)	Project Manager, Sustainability Office
CityU	Ms Shirley NG	Assistant Safety and Environment Manager, Facilities Management Office
CUHK	Ms Serena WONG (Co-Chair, Dec 2019 - Present)	Sustainability Officer, Campus Planning and Sustainability Office
EdUHK	Ms Janey LEUNG	Assistant Property and Facility Manager, Estates Office
HKBU	Mr Cannes WONG (Secretary)	Assistant Officer (Environmental Health and Safety), Estates Office
HKUST	Ms Loretta LUK	Program Manager (Sustainability), Sustainability Unit
LU	Ms Mei CHAN (Co-Chair)	Senior Administrative Officer, Science Unit
PolyU	Ms Florence YUEN	Campus Sustainability Officer, Campus Sustainability Office

## APPENDIX 2E

## MEMBERSHIP OF THE WORKING GROUP ON SUSTAINABILITY EDUCATION 2019

University	Representatives	Title/ Position
HKU	Prof Gray KOCHAR-LINDGREN	Professor and Director of the Common Core
	Ms Joy LAM	Head, Sustainability Office
	Dr Kaimin SHIH	Professor, Department of Civil Engineering
CityU	Prof Wen Jung Li	Associate Provost (Institutional Initiatives) and Chair Professor of Biomedical Engineering
	Dr Danny MARKS	Assistant Professor of Environmental Studies at the Department of Asian and International Studies
CUHK	Prof Mei Yee LEUNG	Director of the Office of University General Education
	Ms Irene NG	Director of the I.CARE Centre for Whole-Person Development
EdUHK	Prof Eric TSANG	Associate Dean and Professor, Faculty of Liberal Arts and Social Sciences
HKBU	Dr Shan Shan CHUNG	Senior Lecturer, Department of Biology
HKUST	Mr Davis BOOKHART	Senior Manager, Sustainability Unit; Assistant Adjunct Professor, Division of the Environment
	Dr Meike SAUERWEIN (Co-Chair)	Lecturer II, Division of Environment and Sustainability
	Ms Christine SO (Secretary)	Assistant Program Manager (Education Development) Division of Environment and Sustainability
LU	Prof Mark MCGINLEY (Co-Chair)	Professor of Teaching and Head of Science Unit; Director of Core Curriculum and General Education
PolyU	Prof Cecilia LI-TSANG	Professor of the Department of Rehabilitation Sciences

**APPENDIX 3****HKSCC STRATEGIC PLAN: FROM SHARING TO DEVELOPING****Vision and Goals for the Next Eight Year Cycle** | 28 May 2019

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**Background**

The Hong Kong Sustainable Campus Consortium (HKSCC) was established in 2010 by the Heads of Universities Committee (HUCOM) of the Hong Kong Special Administrative Region (HKSAR) as a platform for the higher education institutions in Hong Kong to share information and best practices on sustainability related issues. The Consortium was tasked with implementing the “Hong Kong Declaration,” (see Appendix A), which included the requirement for an annual report on the progress of meeting the Declaration goals.

Since 2010, each of the eight HKSCC schools has served one year as Convener of the Consortium. Entering the next eight-year cycle, Consortium Members have agreed to set a new set strategic plan to continue the momentum of the Consortium, and to situate the HKSCC as a platform for sustainability leadership in Hong Kong.

**From Sharing to Developing**

One of the many positive outcomes of the HKSCC over the past eight years was the coalescing of a strong sustainability vision among the eight schools. While each school remained unique in character, the identity of the Consortium took shape as a collective force for promoting sustainability within our larger higher education community. First by sharing ideas, approaches, and data, and later by collaborating on areas of interest, the Consortium now has a solid foundation for promoting sustainability within the Hong Kong university sector.

Over the next eight years, the Consortium has the potential to move beyond a platform of sharing to a platform for developing more dynamic and active collaborative sustainability solutions. This 2019-2027 Strategic Plan sets forth goals, strategies, and tactics for achieving this vision.

**Vision**

1. Position the Hong Kong higher education sector as a leading voice for building a sustainable community in Hong Kong by being transparent in our goals, targets, and performance
2. Utilize our collective strength, research, and roles as educators to influence change-makers for positive sustainable outcomes
3. Prepare our graduates to succeed in an increasingly resource-constrained world
4. Utilize our campuses as living lab for sustainable innovation, practice and learning

**Goal 1: Set a collective set of performance targets**

In order to promote sustainability, we must first be a leader in sustainability by being accountable for our own performance. The targets should include environmental indicators and social indicators.

(Lead - Working Group on Sustainability Performance)

Strategies	Tactics
<b>#1: Develop a set of KPIs</b>	<ul style="list-style-type: none"> <li>◇ Evaluate the availability of data that is accessible at all institutions, and institute timely collection methods</li> <li>◇ Investigate new areas of metering and measurement to identify new opportunities for KPI development</li> </ul>
<b>#2: Identify a set of 2027 performance targets</b>	<ul style="list-style-type: none"> <li>◇ Follow the process used to develop the 2020/21 GHG reduction targets to expand collective targets</li> <li>◇ Set an aggressive, yet achievable set of Consortium targets</li> </ul>
<b>#3: Focus on collaborative design of campus policies</b>	<ul style="list-style-type: none"> <li>◇ Jointly develop a set of operational policies, including sustainable construction, green building, catering, and consumption of office resources</li> <li>◇ Jointly target specific products or services that have large impacts on our campuses and adopt new language for purchasing contracts and tenders</li> </ul>
<b>#4: Engage government and local leaders on pressing waste, energy, and GHG issues</b>	<ul style="list-style-type: none"> <li>◇ Schedule regular meetings with EPD and other relevant agency staff to keep up with government priorities</li> <li>◇ Share policies, strategic decisions, and successes with leaders from local schools and businesses</li> </ul>

**Goal 2: Ensure that 100% of our students are exposed to sustainability ideas, concepts, and skill-building**

As the world becomes increasingly resource-constrained, it will impact the types of jobs and responsibilities available to our students after they graduate. Further, studies suggest that this generation of students is more likely to change careers multiple times, meaning that they will need a clear set of skills that are transferable. Sustainability ideas, concepts and skills can serve as a bridge for students to navigate future challenges.

(Lead - Working Group on Sustainability Education)

Strategies	Tactics
<b>#1: Develop a system for assessing sustainability content in coursework</b>	<ul style="list-style-type: none"> <li>◇ Agree to a common definition of terms and list of key sustainability concepts</li> <li>◇ Evaluate current coursework against the framework of definitions and key concepts to determine percentage of coursework with sustainability coverage</li> <li>◇ Develop results as KPIs and report annually</li> </ul>
<b>#2: Continue assessments of workforce requirements to strengthen curriculum</b>	<ul style="list-style-type: none"> <li>◇ Implement employer surveys to better understand the types of soft and hard sustainability skills valued in the workplace</li> </ul>
<b>#3: Develop partnerships for outreach</b>	<ul style="list-style-type: none"> <li>◇ Develop joint programs for training our students to be effective sustainability ambassadors</li> </ul>

<b>#4: Support extra-curricular activities as opportunities for sustainability learning</b>	<ul style="list-style-type: none"> <li>◇ Encourage student societies to adopt sustainability measures</li> <li>◇ Place emphasis on service learning as a key opportunity for hands-on sustainability experiences</li> </ul>
<b>#5: Make our campuses places of learning for our extended communities</b>	<ul style="list-style-type: none"> <li>◇ Turn our campuses into “Living Labs” for sustainability innovation by testing new ideas in visible ways that create learning experiences</li> </ul>

**Goal 3: Emphasize joint collaborations among our schools as ways to demonstrate unity, leverage our strengths, and engage in meaningful activities more efficiently**

The last eight years have demonstrated that when our universities work together on collective projects, we can marshal our strengths and resources in ways that create multiplier effects. The next cycle should increase the numbers of these group interactions to further maximize our positive impact.

(Lead – Working Group on Joint University Campaigns)

Strategies	Tactics
<b>#1: Focus on behavioral campaigns for consistent messaging</b>	<ul style="list-style-type: none"> <li>◇ Develop joint annual marketing campaigns to change behaviors based on a targeted theme for the year</li> <li>◇ Share creative and staffing resources to build the sustainability brand for the Consortium</li> </ul>
<b>#2: Jointly facilitate surveys and information on students</b>	<ul style="list-style-type: none"> <li>◇ Facilitate an annual campus sustainability survey (Campus Index) for learning about behaviors across schools</li> </ul>
<b>#3: Share our collective research and scholarship into the public domain</b>	<ul style="list-style-type: none"> <li>◇ Actively “translate” the work into graphics and storytelling that are more accessible to outsiders.</li> <li>◇ Use our platform as the HKSCC to promote innovations on our campuses</li> </ul>

**Role of the Secretariat**

- ◇ One-year term on rotation of member universities
- ◇ Coordinate and record HKSCC meetings
- ◇ Coordinate, prepare, and present report annually

**Terms and Roles of the Working Group Leaders**

- ◇ Two-year term elected by the working group members (can be reelected)
- ◇ Up to two leaders per working group
- ◇ Ensure representation of all member universities within the working group
- ◇ Coordinate and record working group meetings (assign a secretary if needed)
- ◇ Keep track of projects’ progress and report back at HKSCC meetings
- ◇ Submit information to the secretariat for annual reporting

## APPENDIX A

## HONG KONG DECLARATION (2010)

The Hong Kong Declaration  
18 May 2010

We, the Vice Chancellors/Presidents of the universities of the Hong Kong SAR, wish to add our voices to those of the many leaders in higher education around the world who have pledged their commitment to responding to the challenges posed by climate change and sustainable development.

Universities have a vital role to play in contributing to solutions and mitigating strategies in response to this multi-faceted crisis. Acknowledging the importance of coordinated efforts involving governments, business, and civil society, representatives of the universities of the Hong Kong SAR met in January and April 2010 to discuss ways to address these challenges and to serve as models within our community.

As signatories to this Declaration, we recognize:

- the important role and responsibilities of the higher education sector to provide appropriate responses to the challenges of climate change and sustainable development through our core missions of research, teaching, and knowledge exchange;
- our ethical obligation, as educators, to provide students, as the future leaders and decision makers of society, with a thorough understanding of the nature of environmental, social and economic sustainability challenges, for their benefit and the benefit of future generations;
- as a matter of high priority, the opportunity and imperative of universities to serve as models within the community with regard to these issues through the prudent utilization of natural resources;
- our responsibility to work together with government, the private sector, the NGO community and other community stakeholders toward these aims.

With a view to encouraging university-wide focus and attention to these issues, we pledge:

- to review our own policies and institutional operations and to establish targets for the reduction of energy consumption, greenhouse gas emissions, water use and waste;
- to make the adjustments necessary to substantially increase the operational efficiency of our campuses and buildings to meet those targets in a timely manner;
- to fully utilize the opportunity available to our institutions, through the transition to a four-year tertiary system in 2012 and other means, to enhance students' understanding of the inter-related environmental, social and economic challenges of climate change and sustainable development across all faculties and major fields of study;
- to report regularly on our progress with regard to key operational targets, on an individual basis and through the establishment of the common platform of the Hong Kong Sustainable Campus Consortium.

Professor Tony F Chan  
President, The Hong Kong University of Science and Technology

Professor Yuk-Shee Chan  
President, Lingnan University

Professor Anthony Cheung  
President, The Hong Kong Institute of Education

Professor Way Kuo  
President, City University of Hong Kong

Professor Lawrence Lau  
President & Vice-Chancellor, The Chinese University of Hong Kong

Professor C F Ng  
President & Vice-Chancellor, Hong Kong Baptist University

for Professor Timothy W. Tong  
President, The Hong Kong Polytechnic University

Professor Lap-Chee Tsui  
Vice-Chancellor and President, The University of Hong Kong



# HONG KONG SUSTAINABLE CAMPUS CONSORTIUM

[www.hkscce.edu.hk](http://www.hkscce.edu.hk)