

Webinar: Integrating Sustainable Development Goals into Corporate Sustainability

Strategic Planning for Sustainable Change

Mr. Davis Bookhart, Senior Manager and Head, Sustainability Unit, Adjunct Assistant Professor Division of Environment and Sustainability, HKUST

Remarks:

This material/event is funded by the Professional Services Advancement Support Scheme of the Government of the Hong Kong Special Administrative Region. Any opinions, findings, conclusions or recommendations expressed in this material/any event organised under this project do not reflect the views of the Government of the Hong Kong Special Administrative Region or the Vetting Committee of the Professional Services Advancement Support Scheme.

Strategic Planning for Sustainable Change

DAVIS BOOKHART

HEAD OF SUSTAINABILITY, HKUST



Leading Organization Change

Question #1: What do we want?



SUSTAINABLE SMART CAMPUS AS A LIVING LAB Launch video

Watch later Share

🐖 YouTube 🛟

Пеаг Water Bay Norwy 26 ℃ sustainable campus life?

MORE VIDEOS

Ŵ

0:07 / 1:01

https://youtu.be/ZjYmU2Yufww

Yes

Question #2: What is the role of a <u>responsible</u> <u>organization</u> in building a better future for everyone?

I DON'T WANT TO PROTECT THE ENVIRONMENT, I WANT TO CREATE A WORLD WHERE THE ENVIRONMENT DOESN'T NEED PROTECTING.



Sustainability Mission

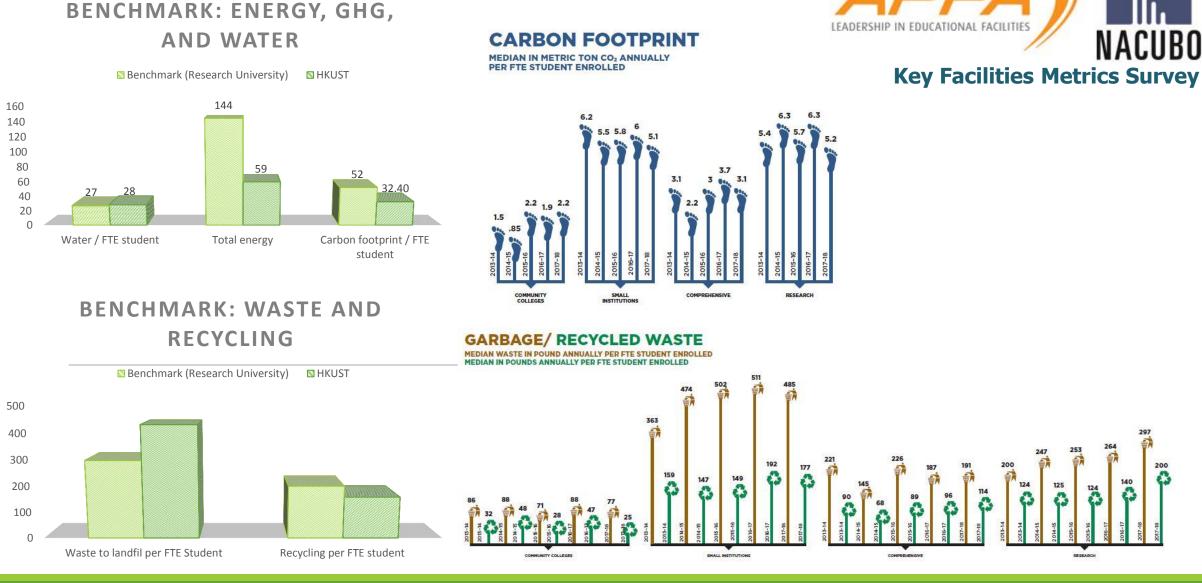
HKUST will become a global leader in sustainability education by transforming the Clear Water Bay campus into a

zero carbon, zero waste, and net-positive environmental impact

living laboratory for experiential learning, demonstrating cutting-edge research and sustainable operations within a vibrant and engaged community.

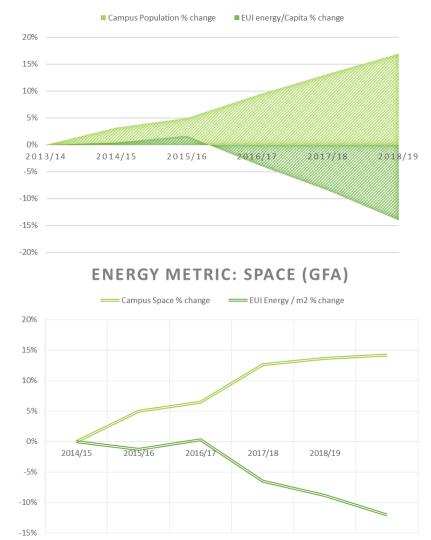
Question #3: How do we evaluate our actions against a sustainability

HKUST Benchmark on North America Key Facilities Metrics Survey

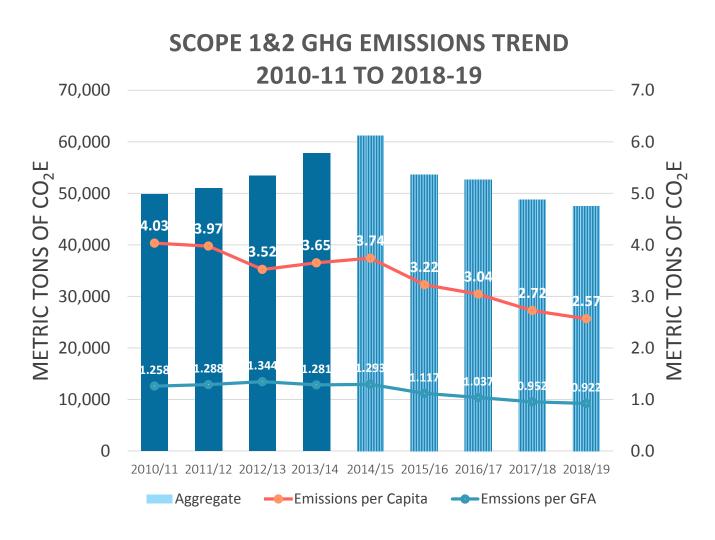


APPA LEADERSHIP IN EDUCATIONAL FACILITIES

Where we are today



ENERGY METRIC: CAPITA

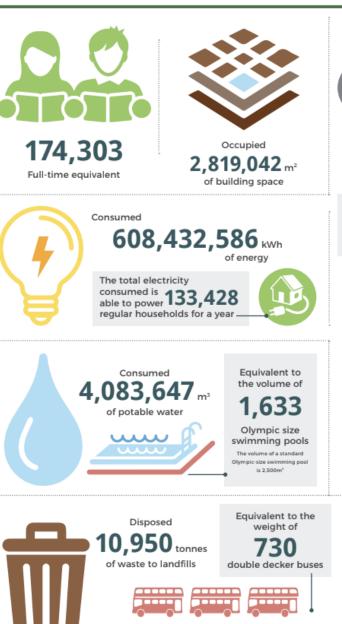


Overall GHG reduction = 22.5% **Emissions** /

Emissions /Capita = 31.3%

Emissions /GFA = 28.7%

SUSTAINABILITY FIGURES YEARLY HIGHLIGHTS





363,672 tonnes of greenhouse gas emissions

Equivalent to the amount of CO_2 that 15,811,826 trees can absorb in a year A mature tree absorbs 23kg of CO_ per year (Carbon removal factor adopted by ISO-14064)

Generated 1,795,602 kWh renewable energy









Chris Laszlo and Nadya Zhexembayeva

ENBEDDED SUSTAINABILITY THE NEXT BIG COMPETITIVE ADVANTAGE

Question #4: How do we move towards embedding

How Embedded is Sustainability?

Successes	Challenges
Great demonstration of efforts	Efforts often feel like "add-ons"
High visibility	But low impact
Excitement of campus community	Sense of more getting done than reality
Empowerment of our people	Narrow slice of self- selected and motivated
Performance	Going beyond "low hanging fruit"



HKUST **b**Sustainability



Current Snapshot:

Strength in four areas where the university is making significant contributions

Research and

discovery

Leveraging university resources and human capital to solve pressing problems for human society

Campus operations

Transitioning towards a campus that becomes an integral part of the learning experience and training of the students.

Education

Preparing students for careers and social interaction within a 21st century environment (resourceconstraints, rapid and unpredictable technology changes, globalization)

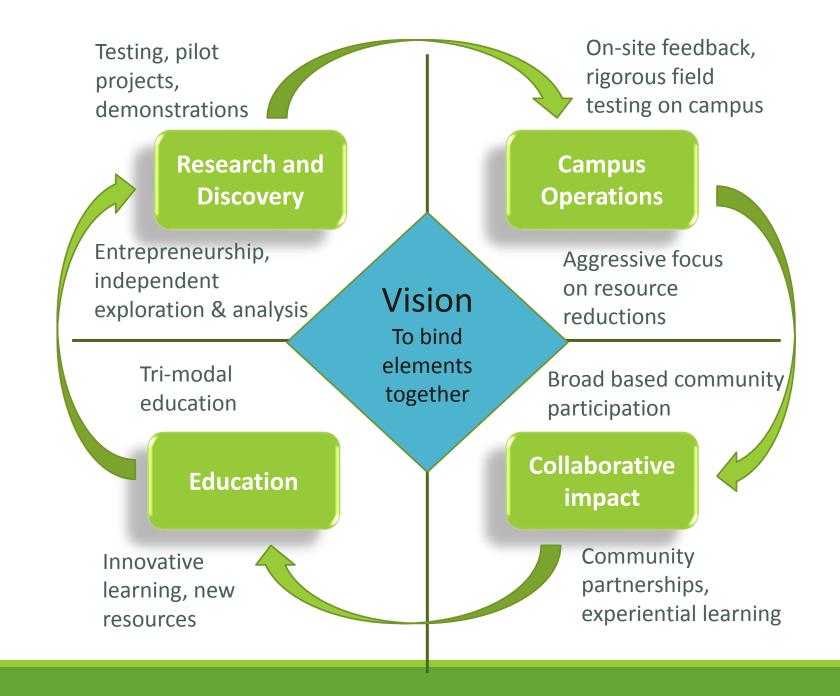
Collaborative

impact

Contributing to the advancement of the HKUST community, Hong Kong, and the world ("spilling out")

Perspective

A sustainability vision can bind existing elements together in new and interesting ways

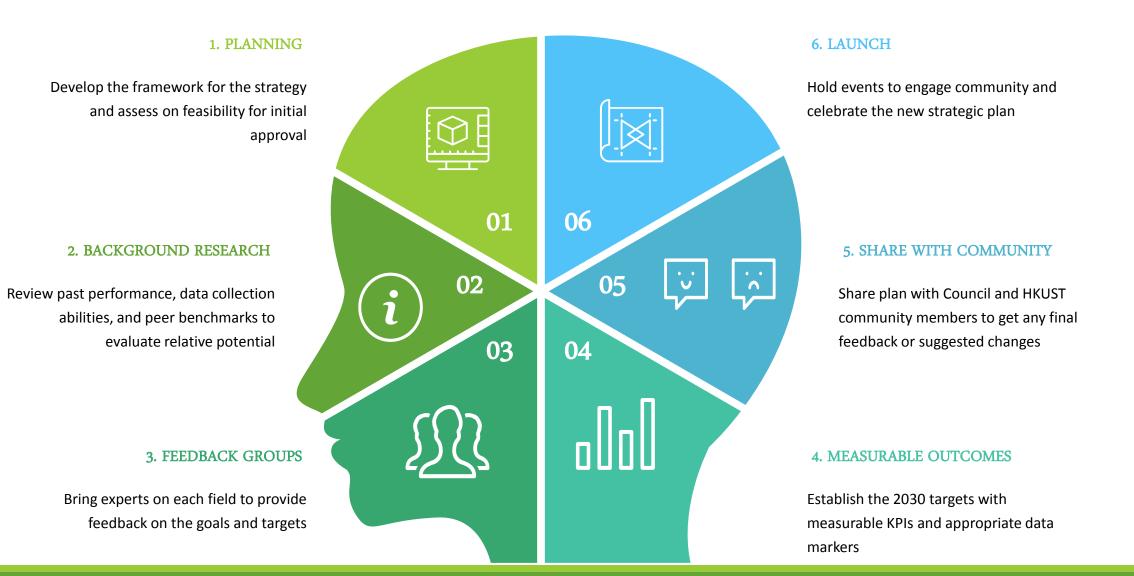






Sustainability 2030: Pathway Forward

Steps for completing the plan by the end of 2020



Sustainability Strategy Elements

Creating a Robust System for Success



PROGRESS AND PERFORMANCE

Objective:

To pursue clear and measurable performance targets for efficiency, resource reductions, and campus improvements



SUSTAINABILITY EDUCATION

Objective: To create the conditions for all students to graduate with sustainability skills and competencies that will prepare them for career challenges



LIVING LAB DEMONSTRATION

Objective: To transform our campus into one where the campus itself is a platform for learning, experimenting, and showcasing new ideas and approaches.



CAMPUS COORDINATION (CWB / GZ)

Objective:

To ensure that sustainability goals and priorities are shared between the two HKUST campuses NETWORK AND HK COMMUNITY

Objective:

To create a vibrant community of faculty, staff, and students to become a trusted source of information and inspiration for the Hong Kong region



Questions or Comments?

Davis Bookhart Head of Sustainability HKUST green@ust.hk