

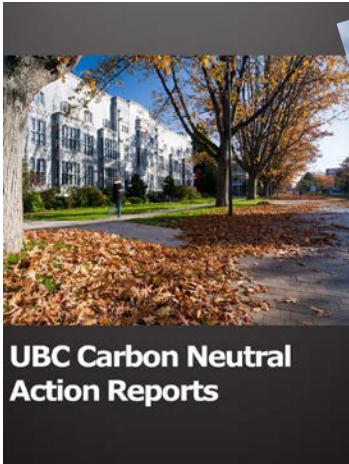
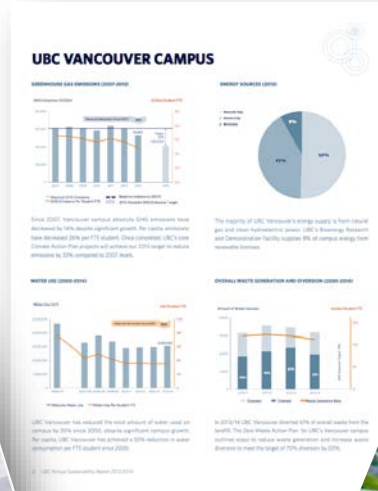
UBC SUSTAINABILITY REPORTING



Victoria Smith, UBC Sustainability Initiative
November, 2017
Freie University Berlin



SIGNIFICANT REPORTING...



PRINCIPLES OF UBC SUSTAINABILITY REPORTING

- Meet government requirement of GHG reporting
- Support university wide UBC Annual Reporting
- Board of Governors – Annual Sustainability Report (formal and public facing)
 - Create engaging content
- Show comprehensive view of UBC Sustainability
 - Celebrate successes and achievements



TOWARDS 2035: REGENERATIVE SUSTAINABILITY AT THE UNIVERSITY OF BRITISH COLUMBIA

BUILDING ON 20 YEARS OF SUSTAINABILITY LEADERSHIP AT UBC'S VANCOUVER CAMPUS

OUR VISION

At UBC's Vancouver campus, sustainability means simultaneous improvements in human and environmental wellbeing, not just reductions in damage or harm. By 2035, UBC aims to embed regenerative sustainability across the University throughout teaching, learning, research, partnerships, operations and infrastructure, and the UBC community.

OUR COMMITMENT

UBC's commitment transforms the entire campus into a living laboratory—a societal test-bed for sustainability. The foundations of these efforts are the numerous plans, reports and strategies that reflect the University's vision and guide sustainability activities. The outcomes of these efforts are applied beyond the campus, ensuring the University acts as agent of change to address some of society's most pressing sustainability challenges.

For more information on UBC Sustainability plans and reports see sustain.ubc.ca/aashe



AWARDS

Since the inception of UBC's Campus Sustainability office in 1997, UBC has received 50+ provincial, national, and international awards for our leadership in green buildings, energy management, public realm design, campus operations, research, integration, and sustainability engagement programs.

ABOUT UBC VANCOUVER



SUSTAINABILITY MILESTONES



LEARN MORE AT
SUSTAIN.UBC.CA/AASHE

INTEGRATE

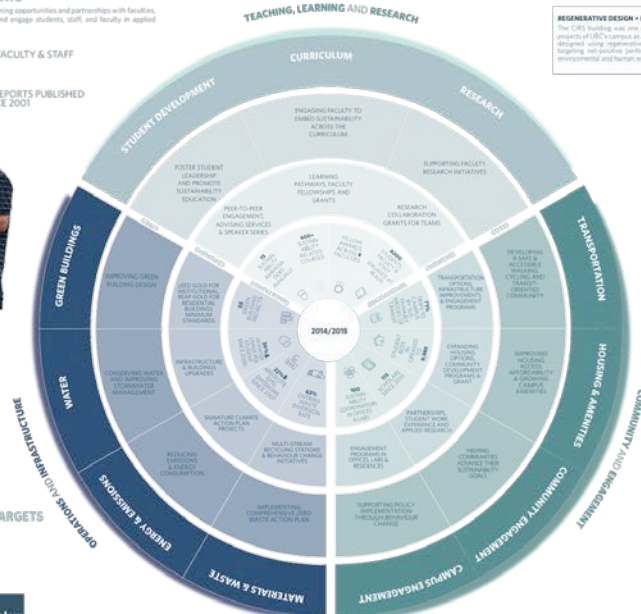
SEEDS PROGRAM 2014-2015 STATS

The SEEDS Sustainability Program offers experiential learning opportunities and partnerships with faculties, schools and operational departments across campus and engage students, staff, and faculty in applied campus sustainability research projects.

INTEGRATED INTO
34 COURSES

100 COMPLETED PROJECTS

768 STUDENTS, FACULTY & STAFF ENGAGED
1000+ RESEARCH REPORTS PUBLISHED ONLINE SINCE 2001



COMMIT

GHG EMISSION REDUCTION TARGETS



UBC's signature Climate Action Plan projects (Continuous Optimization Building Renovation, Academic District Energy System, and the first water conservation, and Bioenergy Research and Demonstration Facility) are on track to achieve our 2015 target, and have achieved a 22% reduction in emissions compared to 2007 levels as of 2014. UBC is now in the process of updating our award-winning Climate Action Plan to achieve our 2020 targets.

DEMONSTRATE

CENTRE FOR INTERACTIVE RESEARCH ON SUSTAINABILITY

The Centre for Interactive Research on Sustainability (CIRS) Building was UBC's first LEED platinum certified building in 2011, and is home to systems-based, real-world research clusters.

REGENERATIVE DESIGN + HUMAN WELLBEING

The CIRS Building was one of the first demonstration projects of UBC's campus as a living lab initiative. It was designed using regenerative sustainability principles targeting net-positive performance in terms of both environmental and human wellbeing.

AGENT OF CHANGE

CIRS requires addressing sustainable buildings and urban development through a whole systems approach to understand design, vision and cross-disciplinary relationships and developing new tools to accelerate the adoption of sustainable policies and practices.

LIVING LAB

As the home of an interdisciplinary centre, it operates as a long-term research and educational project as well as a tool for engaging the campus community.



INSPIRE

REGENERATIVE SUSTAINABILITY

20 YEAR SUSTAINABILITY STRATEGY

The 20-year Sustainability Strategy for UBC's Vancouver campus is a long-term strategic framework to embed sustainability across teaching, learning and research, operations and infrastructure, as well as community with initiatives to address requirements in human and environmental wellbeing, not just reductions in damage or harm.

WELLBEING AT UBC

Wellbeing at UBC is a university-wide effort to engage with our Vancouver and Okanagan campuses to build healthier and happier communities.



ubc sustainability



20-YEAR SUSTAINABILITY STRATEGY

FOR THE UNIVERSITY OF BRITISH COLUMBIA
VANCOUVER CAMPUS



2014



a place of mind
THE UNIVERSITY OF BRITISH COLUMBIA
sustainability

ANNUAL SUSTAINABILITY REPORT

Overview:

- Teaching, Learning and Research
- Operations and Infrastructure
- Community

Includes:

- Feature stories
- Faculty and student profiles
- Fast facts on performance
- Metrics and trend data



2015/2016 Fast Facts

Vancouver Campus



30%
REDUCTION IN
ABSOLUTE GHG
EMISSIONS SINCE 2007



59%
REDUCTION IN WATER
USE PER STUDENT
SINCE 2000



57
SUSTAINABILITY
RELATED ACADEMIC
PROGRAMS



58
GREEN BUILDING
PROJECTS



STUDENT BEDS
INCREASED TO
10,543



70%
OF TRIPS BY SUSTAINABLE
MODES OF TRANSPORT



67%
OVERALL WASTE
DIVERSION RATE



3,100
STUDENTS
ENGAGED THROUGH
SUSTAINABILITY
IN RESIDENCE
PROGRAMMING



647
SUSTAINABILITY
RELATED COURSES

109

SUSTAINABILITY
COORDINATORS IN
OFFICES AND LABS



591

STUDENTS, FACULTY AND
STAFF INVOLVED IN 100
SEEDS PROJECTS

2015/2016 Fast Facts

Okanagan Campus



19%

REDUCTION IN WATER
USE PER STUDENT SINCE
2007

51%



OF TRIPS BY SUSTAINABLE
MODES OF TRANSPORT



26%

OVERALL WASTE
DIVERSION RATE



34%

REDUCTION IN GHG
EMISSIONS
PER STUDENT SINCE 2007



9%

REDUCTION IN ABSOLUTE
GHG EMISSIONS
SINCE 2010



Teaching, Learning and Research

647

SUSTAINABILITY
RELATED COURSES

423

FACULTY ENGAGED IN
SUSTAINABILITY
RESEARCH

590+

FACULTY, STUDENTS & STAFF
ENGAGED IN CLL PROJECTS

CURRICULUM
TRANSFORMATION

FELLOWSHIPS &
GRANTS

COURSE
CONSULTATION



SEEDS Program Mushroom Furniture Project



Operations and Infrastructure

VANCOUVER CAMPUS

30%

REDUCTION IN ABS. GHG
EMISSIONS SINCE 2007

43%

REDUCTION IN GHG
EMISSIONS PER STUDENT
SINCE 2007

67%

OVERALL WASTE
DIVERSION RATE

CAMPUS ENGAGEMENT

GREEN FLEET

GREEN BUILDINGS

RESEARCH
INTEGRATION





Community

10,543

STUDENT BEDS AT
VANCOUVER CAMPUS

70%

OF VANCOUVER TRIPS
USE SUSTAINABLE

27

COMMUNITY
GRANTS

BROCK COMMONS

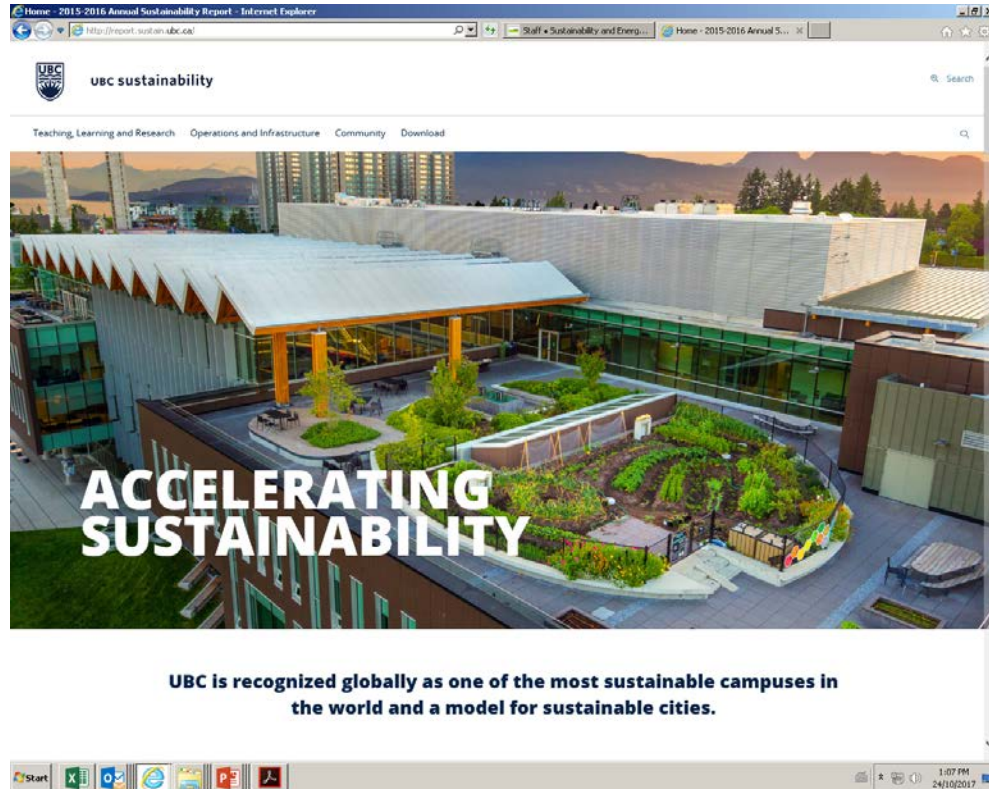
COMMUNITY DEVELOPMENT

WELLBEING AT UBC

SUSTAINABLE TRANSPORTATION



MICROSITE



LESSONS LEARNED IN SUSTAINABILITY REPORTING

Engaging format is key!

Look at lots of examples of reports

Work with content owners early

Technical information - present in variety of ways

Design to utilize subsections of report





a place of mind

THE UNIVERSITY OF BRITISH COLUMBIA

THE UNIVERSITY OF BRITISH COLUMBIA