



# Sustainability Progress Report 2012-2014



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# FOREWORD BY THE PRESIDENT

Since MacEwan University was founded, sustainability on a local and global level was always deeply valued. The Honourable Dr. John Walter Grant MacEwan, after whom the institution was named, was ahead of his time in terms of his knowledge and passion for sustainability. As an environmental advocate, he shared his values and educated Canadians about issues affecting the world. Now, this passion acts as a thread that runs through all of MacEwan University's departments, faculties, and programs; which in turn, connects the university with the concepts of global responsibility, environmental stewardship, and social equity.

MacEwan University's commitment to sustainability was marked in 2008 by the adoption of our Sustainability Policy (D6000), and again in 2009 by the creation of the Office of Sustainability to oversee policy implementation. This commitment was further solidified in 2011 with the approval of our Campus Sustainability Plan (CSP). By highlighting the priorities for Education for Sustainability, Sustainable Operations, and the need for sustainability in our Planning, Administration, and Engagement, the

CSP creates time sensitive goals for the university to accomplish. As a result of the CSP, and through the hard work of members and volunteers, MacEwan University has seen significant progress and accomplishments in the realm of sustainability.

We continue to uphold this commitment in our planning and decision making. In 2013 the University adopted sustainability as one of its University Pillars, and more recently, objectives for sustainability in education and campus operations were prioritized in the Integrated Strategic Plan 2014-2019.

As MacEwan University moves forward in consolidating its campus operations downtown, it becomes increasingly more important to continue our efforts to embed sustainability in our curriculum and campus procedures and operations. By doing this we can ensure that our institution fulfills its responsibility to the public and the planet.

**David W. Atkinson**  
President





# EXECUTIVE SUMMARY

This document is MacEwan University's first public sustainability progress report. It summarizes our sustainability achievements from 2012 to 2014 and highlights plans for future progress. It is meant to inform our students, faculty, staff and alumni as well as the general public of the successes and challenges we faced in the implementation of our sustainability objectives, and presents our tactics moving forward. The report is structured according to the goals of our Campus Sustainability Plan, highlighting progress in each of the 14 goals within three areas of focus: Education for Sustainability; Sustainable Operation; and Planning, Administration and Engagement.

During this reporting period, the university was successful in completing the majority of the tactics recommended in the Campus Sustainability Plan. By enrolling in the Sustainability Tracking Assessment Rating System (STARS), we were also able to establish many new baselines and track our progress.

Our goal is to integrate sustainability concepts throughout the curriculum. Of the 2,149 courses offered in the last three years, we only found four courses on sustainability and 21 courses that included sustainability as a module or challenge. This inventory of courses has helped determine a 16% baseline of graduates with knowledge in sustainability graduating from a program with at least one sustainability learning outcome.

Implementing sustainable operations throughout MacEwan University's campuses is imperative to help reduce our environmental footprint. The university was able to decrease its 2012/13 scope 1 and 2 weighted emissions by 14% from its 2009 baseline which is a noteworthy improvement, however far from the established target of reaching carbon neutrality by 2020. This was also the first time we calculated scope 3 emissions which were evaluated at 9,840 tonnes—or about 23,000 barrels of oil consumed per annum. These emissions include business travel, IT purchases, paper purchases and commuting trends to and from the university by staff and students. These will represent important areas to review in the next edition of our Campus Sustainability Plan.

Moving forward in our journey towards sustainability, it is crucial that all stakeholders are engaged and collaborate in the planning, piloting and implementation of new ideas and solutions. By continuing to support our sustainability committees, volunteers, student clubs, and staff and faculty engagement programs, we can help establish a culture for innovation thriving to build a resilient and sustainable future.

**Chantal Beaudoin**  
Head of Sustainability





# ACRONYMS IN THIS REPORT

**AASHE:** Association for the Advancement of Sustainability in Higher Education

**ACC:** Alberta College Campus

**CCC:** City Centre Campus

**CFAC:** Centre for the Arts and Communication

**CSP:** Campus Sustainability Plan

**ESSC:** Education for Sustainability Steering Committee

**FLE:** Full-Load Equivalent (student enrolments)

**FTE:** Full Time Equivalent (employees)

**LEED:** Leadership in Energy and Environmental Design

**NUS-UK:** National Union of Students-United Kingdom

**PAESC:** Planning, Administration, and Engagement Steering Committee

**PVP:** President and Vice-Presidents

**RHLC:** Robbins Health Learning Centre

**SAC:** Sustainability Advisory Committee

**SAMU:** Students' Association of MacEwan University

**SCIC:** Sustainable Campus International Competition

**SOSC:** Sustainable Operations Steering Committee

**SPP:** Sustainability Planning Process

**STARS:** Sustainability Tracking Assessment Rating System



# OUR JOURNEY AND LANDMARKS TOWARDS SUSTAINABILITY

## 1966:

- Dr. J.W. Grant MacEwan published *Entrusted to My Care* wherein he expresses his concerns for various environmental issues including air pollution, forest protection and petroleum and mineral extraction

## 1969:

- Dr. J.W. Grant MacEwan's creed published, a portion of which reads:  
*"I am prepared to stand before my Maker, the Ruler of the entire Universe, with no other plea than that I have tried to leave things in His Vineyard better than I found them"*

## 1990:

- Organized Green Group of volunteers who are committed to sustainability on campus

## 1992:

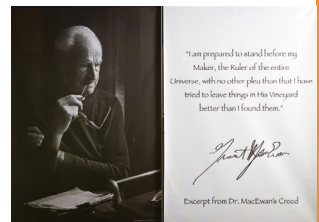
- Dr. J. W. Grant MacEwan Environmental Studies Institute established

## 1993:

- Dr. J. W. Grant MacEwan receives Lifetime Environmental Achievement Emerald Award by the Alberta Foundation for Environmental Excellence
- City Centre Campus opens with 500,000 gallon underground thermal chilled water storage and building automation for energy management

## 2002:

- Centre for the Arts and Communications building lighting retrofit completed





**2003:**

- South Campus building lighting retrofit completed

**2005:**

- City Centre Campus central heating plant upgraded with high efficiency boiler control

**2007:**

- Paper recycling introduced in offices across all campuses. Records show 58 metric tonnes were collected that year
- Installed dry coolers as part of the City Centre Campus building cooling system enabling us to shut down our main cooling towers during winter
- Students voted 73% in favour of a mandatory U-Pass pilot program

**2008:**

- Sustainability policy (D4500) adopted and Sustainability Advisory Committee established to oversee its implementation
- Student Residence building built using LEED Silver standards

**2009:**

- Created the Office of Sustainability and hired the first Sustainability Officer
- Alberta College Campus lighting retrofit project completed
- Introduced naturalized landscape, representing the aspen parkland on City Centre Campus
- Bluebox recycling program initiated to collect co-mingled paper, plastic, glass and metal recyclables with the City of Edmonton
- Talloires Declaration signed
- SAMU hosted its first annual sustainability week, Common Ground, showcasing various projects, strategies and events relating to sustainability
- \$500,000 Sustainability Fund approved to support sustainability initiatives
- Pan-Canadian Protocol for Sustainability signed
- University and College Presidents' Climate Change Statement of Action signed
- Single Sustainable Campus Plan approved





### 2010:

- First greenhouse gas emissions inventory including scope\* 1 and 2 completed
- Classroom lighting automated with motion sensor switches installed
- City Centre Campus lighting retrofit completed to reduce consumption by 2,000,000 kWhr or 11% of campus consumption
- Sustainability Policy (D6000) updated
- Facilities Whole Life Cycle Sustainability policy (D5000) approved
- Facilities Operations and Maintenance policy (D5050) approved
- Facilities Planning and Design policy (D5070) approved
- Students voted 78% in favour of the mandatory U-Pass program

### 2011:

- First edition of Earth Common Journal, an international, undergraduate, peer-reviewed journal published
- MacEwan University's first Campus Sustainability Plan adopted
- Bio-diversity SA club founded
- MacEwan Environmental Student Society (MESS) SA club founded
- University Service Centre built using LEED Silver standards
- MacEwan School of Business joins the United Nations' Principles for Responsible Management Education (PRME)
- Enactus MacEwan University SA club founded
- ETS@Work program launched

### 2012:

- New Head of Sustainability hired to fill Sustainability Officer position
- Weather station and rain sensors on CCC irrigation system installed
- Received City of Edmonton Certificate of Recognition for Waste Management and Recycling
- RHLC certified LEED Silver
- Co-founded the Sustainable Campus International Competition
- New waste disposal contract with the City of Edmonton established enabling composting of our biodegradable waste co-mingled in our waste stream
- Retrofit of all washroom faucet taps with motion detectors across CCC and ACC campuses completed
- Board of Governors adopted a web portal as a secure and paperless tool to conduct their business

 Earth Common Journal







### 2013:

- New Sustainability Planning Process approved and three sustainability steering committees created
- One-year term position Sustainability Coordinator hired
- Green Impact program launched
- RHLC certified BOMA best level 3 rating
- Completed retrofit of all toilets to low-flow across CCC and ACC campuses
- Sustainable MacEwan University SA Club founded
- Sustainability adopted as Brand Focus of MacEwan University
- MacEwan students voted 77% in favour of the mandatory U-Pass program expanding to cover all full-time and part-time students studying on campus



### 2014:

- Leadership for Sustainability Award integrated into MacEwan Day
- Sustainability in education and operations adopted as part of MacEwan University's Integrated Strategic Plan 2014-2019
- Hosted first Re-Love Market
- Awarded Silver certification in the Sustainability Tracking, Assessment & Rating System™ (STARS)
- Sustainability Coordinator position approved as full-time continuing
- New logo identity created for sustainability initiatives
- Idling signage implemented across City Centre Campus
- Car sharing program launched
- Bike repair station implemented in RHLC parkade
- Second greenhouse gas emissions inventory including scope 1 and 2 completed and baseline for scope\* 3 emissions calculated
- University Service Centre was certified BOMA Best level three and LEED Silver



\*Scope 1 emissions (direct emissions) included natural gas, diesel, and gasoline consumption. Scope 2 emissions (indirect emissions) included electricity consumption for lighting and general utility and appliance power. Scope 3 emissions (other indirect emissions) included emissions from waste, business travel, IT purchases, paper purchases, and commute to the University by staff and students.



# THE OFFICE OF SUSTAINABILITY

## Vision:

We strive to build upon the legacy of our namesake, Dr. J.W. Grant MacEwan, by managing our human and ecological systems in accordance with our global responsibility to conserve and restore the environment while advancing social equity.

## Mission:

The Office of Sustainability provides expertise and leadership at MacEwan University, working with students, faculty, staff and the community to enhance sustainability in education and campus operations.

## Services:

- Deliver programming designed to empower the campus community to actively contribute to and engage in sustainability practices
- Provide guidance, advice and tools on sustainability to all areas of the University
- Initiate, coordinate, and/or support sustainability initiatives, trainings and events
- Collaborate with local and global partners to enhance sustainability opportunities
- Report on MacEwan University's sustainability performance

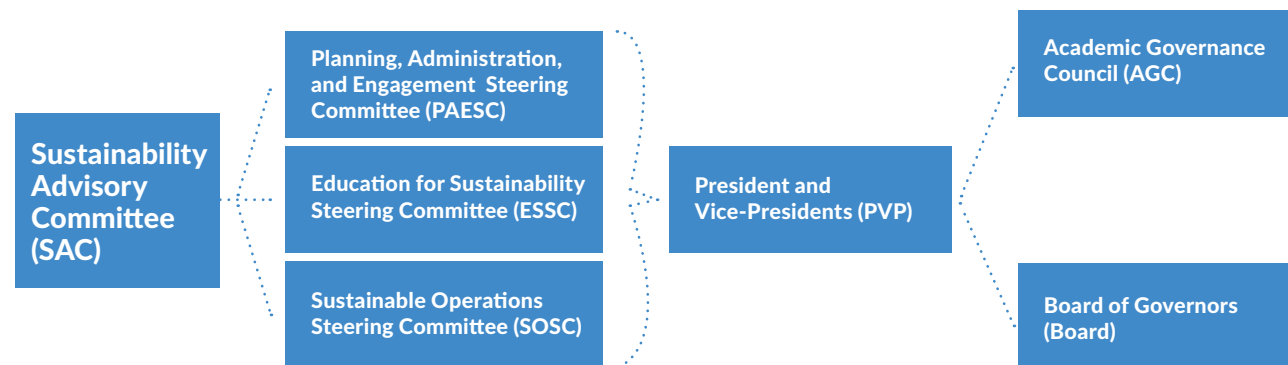




# SUSTAINABILITY PLANNING PROCESS & MEMBERS

In April 2013, the President and Vice Presidents Group approved the MacEwan University Sustainability Planning Process (SPP). The objective of the SPP is to support the Office of Sustainability to review, revise, sponsor the implementation of, recommend, and report on the strategic actions outlined in our Campus Sustainability Plan. The new SPP revamped the existing Sustainability Advisory Committee (SAC) and created three

new sustainability steering committees based on each focus area of our Campus Sustainability Plan: Education for Sustainability Steering Committee (ESSC), Sustainable Operations Steering Committee (SOSC), and Planning, Administration and Engagement Steering Committee (PAESC). The SPP allows for the planning of sustainability to include and engage all areas of the university.



**Thank you to the members of our Sustainability Committees!**



## Sustainability Advisory Committee (elected members):

**Dave Buchanan**, Representative of the Faculty of Arts & Sciences, Faculty, ESSC (Co-Chair)

**Chantal Beaudoin**, Head, Sustainability (Co-Chair)

**Jeffrey A. Davis**, Representative of the Faculty of Arts & Sciences, Faculty, ESSC

**Peter Vogels**, Representative of the Faculty of Health and Community Studies, Faculty, ESSC

**John Valentine**, Representative of the Faculty of Health and Community Studies and working from City Centre campus, Faculty, SOSC

**Ann Little**, Representative of the Faculty of Health and Community Studies, Faculty, SOSC

**Leo Wong**, Representative of the School of Business, Faculty, ESSC

**Lucille Mazo**, Representative of the Faculty of Fine Arts and Communications, Faculty, ESSC

**Carlos Fiorentino**, Representative of the Faculty of Fine Arts and Communications, Faculty, ESSC

**Cynthia Ma**, Student Representative, SOSC

**Meredith Black**, Student Representative, ESSC

**Debbie Maloney**, Representative of the MacEwan Staff Association, SOSC

**Elizabeth Hay**, Representative of the MacEwan Staff Association and working from the Centre for the Arts and Communication campus, PAESC

**Lily Dane**, Representative working from the Alberta College Campus, SOSC

**Tara Stieglitz**, Representative of Professional Resource Faculty, SOSC

**Gail Jones**, Out-of-scope Representative, PAESC

**Ken Harbeck**, Out-of-scope Representative, PAESC

**Emilio Gagliardi**, Member at large Representative, PAESC

## Education for Sustainability Steering Committee (standing members):

**John Corlett**, Provost and Vice-President, Academic (Co-Chair)

**Chantal Beaudoin**, Head, Sustainability (Co-Chair)

**Valerie Henitiuk**, Executive Director, Centre for the Advancement of Faculty Excellence

**Craig Monk**, Dean, Arts and Science

**Sharon Bookhalter**, Dean, Health and Community Studies

**Denise Roy**, Dean, Fine Arts and Communications

**Elsie Elford**, Dean, School of Business

**Heather McRae**, Dean, Continuing Education

**Sandy Swift**, Librarian (delegate of Dean, Libraries)



## Sustainable Operations Steering Committee (standing members):

**Stuart MacLean**, Associate Vice-President, Facilities (Co-Chair)

**Chantal Beaudoin**, Head, Sustainability (Co-Chair)

**Kris Bruckmann**, Director, Operations, Retail & Hospitality Services

**Carol Robinson**, Director, Procurement and Contract Services

**John McGrath**, Vice-President, Integrated Information and Communication Systems & Chief Information Office

**Craig Janke**, Senior Manager, Facilities Maintenance

**Colleen Panno Olson**, Manager, Capital Planning and Asset Management

## Planning, Administration, and Engagement Steering Committee (standing members):

**Brent Quinton**, Vice-President, Finance and Administration (Co-Chair)

**Chantal Beaudoin**, Head, Sustainability (Co-Chair)

**Cathryn Heslep**, Vice-President, Student Services

**Rick Ellis**, Associate Vice-President, Finance & Chief Investment Officer

**Karen Boros**, Director, Human Resources (delegate of Associate Vice-President, Human Resources)

**David McLaughlin**, Executive Director, Institutional Analysis and Planning

**Ken Schwanke**, Director, Corporate Communication

**Cameron McCoy**, President, Students' Association of MacEwan University

**Lisa Pittet**, Senior Manager, Centre for Sport & Wellness

**Clint Galloway**, Director, Student Residence

# GOAL 1

Engage students with formal education programs and courses that address sustainability



# FOCUS 1 - EDUCATION FOR SUSTAINABLE DEVELOPMENT

## Progress:

- Developed criteria to identify sustainability courses based on AASHE definitions:
  - Sustainability courses are courses in which the primary and explicit focus is on sustainability and/or on understanding or solving one or more major sustainability challenge(s).
  - Courses that include sustainability are primarily focused on topics other than sustainability, but incorporate a unit or module on sustainability or a sustainability challenge, include one or more sustainability-focused activities or integrate sustainability issues throughout the course.
- Compiled the University's inventory of sustainability courses. Out of 2,149 courses offered in the last three years, 4 were classified as 'sustainability courses' and 21 courses included sustainability as a module or challenge.
- In 2012/13, out of 2,940 graduates, 485 graduated from a program that has adopted at least one sustainability learning outcome.

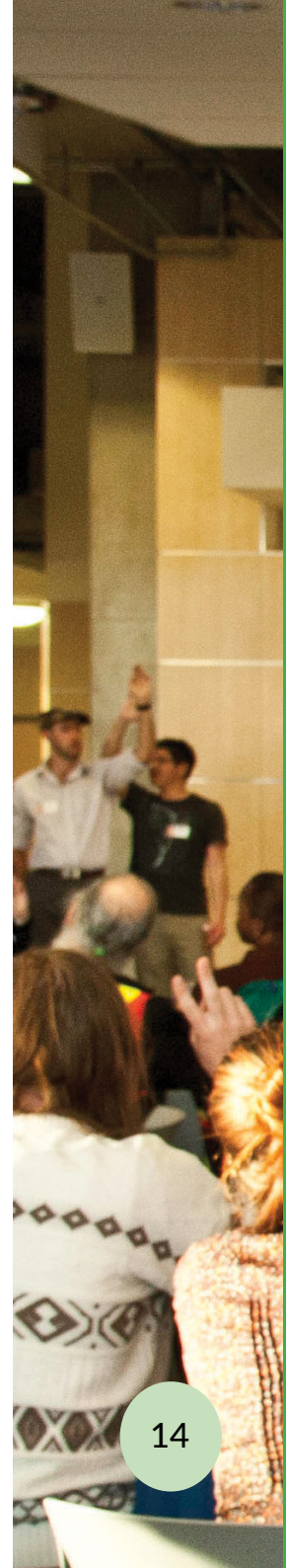


## Continuing progress:

- Sustainability 201 Master Course Syllabus approved and scheduled to begin in January 2016 with Dave Buchanan from the Faculty of Arts and Science and Margaret Milner from the Faculty of Health and Community Studies co-teaching the course.
- The Sustainability 201 course and the courses listed in the sustainability course inventory will be the base for the establishment of a minor or certificate in sustainability.

## Highlight:

- SAMU surveyed 231 students on the topic of Education for Sustainability and found that 87% of students believe sustainability should be included in the curriculum; 73% of students think sustainability would add value to their degree; 60% of students believe sustainability in the curriculum would better prepare them for the workplace; and 36% of students would be interested in a certificate in sustainability.



# GOAL 2

Provide students with sustainability learning experiences outside the curriculum



## Progress

- Launched the Sustainability in Practice Series for students to learn, engage and take action on sustainability. Since 2012, ten events galvanized an estimated 2,000 participants.
- Developed interactive displays to engage students on recycling and the adoption of sustainable lifestyles for New Student Orientation and Fall Fest activities.
- Three SAMU student clubs on campus are dedicated to sustainability issues: Enactus, incrEDIBLE, and Sustainable MacEwan University.

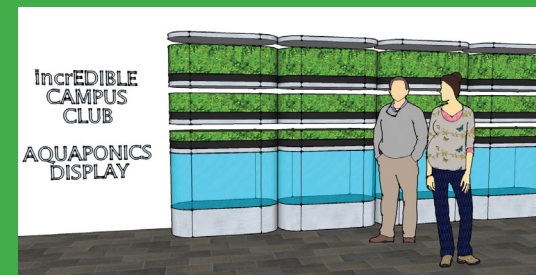


## Continuing Progress

- Training student Eco-Heros to help deliver an energy, waste, and water reduction competition across residence and university buildings launching in February 2015.
- Continuing monthly articles on sustainability topics featured in MacEwan University's student blog *Inspire* page.

### Highlight:

- Finalist student team at the Sustainable Campus International Competition creates the incrEDIBLE MacEwan SA club and receives \$15,000 from student-led initiative to build aquaponics food growing display in MacEwan University's Child Care Centre.



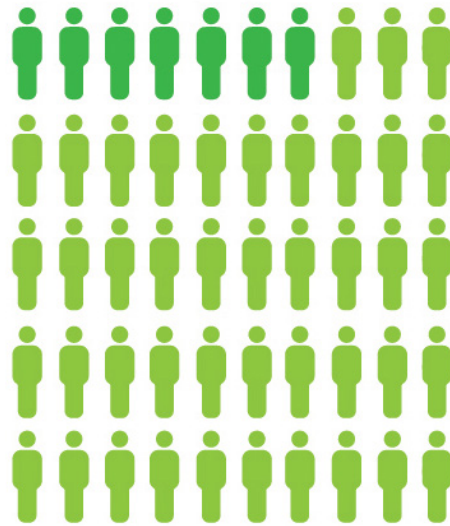
# GOAL 3

Develop opportunities to conduct research related to, or focused on, sustainability



## Progress

- The ESSC adopted a definition for sustainability research as “research which focuses on one or more of the three dimensions of sustainability (social, economic, and environmental) and seeks to contribute to the preservation, restoration, and/or enhancement of social well-being, environmental quality, and/or economic equity.”
- In 2013/14, 29% of research funds (equal to \$92,482) went to sustainability research. Of that, \$10,494 went to student research and \$81,988 went to faculty research in sustainability.
- In 2013/14, out of the 189 MacEwan University faculty conducting research, 26 qualified as sustainability research.



26 out of 189 MacEwan University faculty members conducting research were focusing on sustainability in 2013/14

## Continuing progress

- An approximate fund of \$45,000 will be made available for sustainability research in 2014/15 through the Research Services Special Projects Fund.

### Highlight:

- Earth Common Journal (ECJ) is an international, undergraduate and peer-reviewed journal that provides a forum for students to communicate a diversity of ideas and information on issues concerning conservation, sustainability, and climate change. Earth Common Journal is published by the MacEwan University Bachelor of Communication Studies program. It is published annually in September, with its inaugural issue released in 2011.



*Earth Common Journal* is published by the Bachelor of Communication Studies program. The student-driven journal features peer-reviewed undergraduate research papers focusing on conservation, sustainability and climate change.



# GOAL 4

Reduce MacEwan's impact on global climate change, optimize energy performance, reduce energy consumption and address air quality issues



# FOCUS 2 - SUSTAINABLE OPERATIONS

## Progress

- From our 2009 baseline, total emissions scope 1 and 2 per FLE and FTE have decreased by 14% in 2012/13. For the first time, we calculated scope 3 emissions and included business travel, IT purchases, paper purchases, and commuting trends to and from the University by staff and students. Our total scope 3 emissions for 2012/13 were evaluated at 9,840 tonnes which is equivalent to about 23,000 barrels of oil consumed.



- An Alternative Energy and Carbon Reduction Feasibility Study was commissioned by Facilities and completed by Vital Engineering. A phased approach is recommended for MacEwan University including cogeneration as the first phase at CCC which could potentially result in 1,650 tonnes of carbon dioxide emission reductions.
- Completed an inventory of significant air emissions from stationary sources on campus.

## Continuing Progress

- As a signatory of the University and College Presidents' Climate Change Statement of Action, MacEwan University will continue to update its greenhouse gas emission inventory, define its reduction targets, and facilitate an implementation plan and reduction strategy.

## Highlight:

- MacEwan University was featured in Construction Canada magazine for its lighting retrofit project, which replaced 6,500 old luminaires with lighting fixtures that reduced energy consumption by 47% to 60%.



# GOAL 5

Mitigate the impact of food services through responsible purchasing and dining practices, as well as providing alternative choices to build a sustainable food system



## Progress

- In 2012/13, 31% of MacEwan University's dining services food and beverage expenditures are locally sourced and/or third party certified.



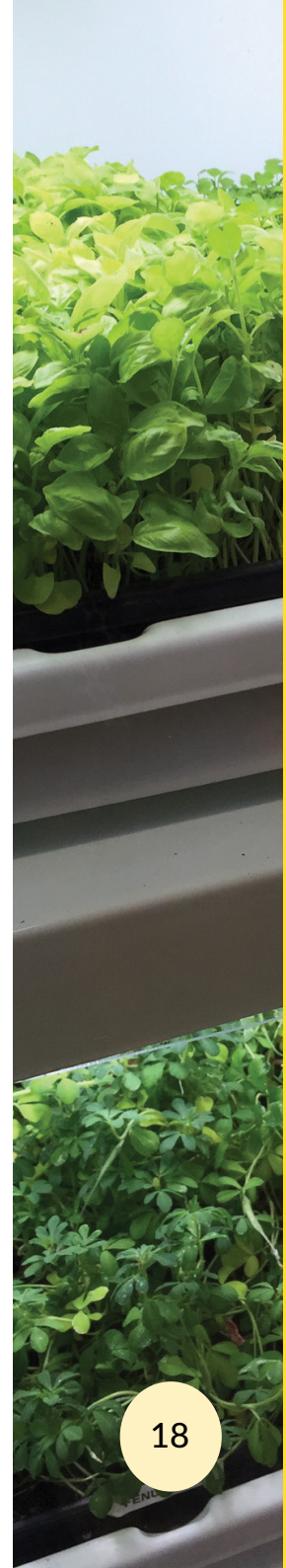
- Food contractor ensures vegetarian and/or vegan options available at each location daily, and about 55% of dining services food categorized as animal products.
- Completed a week-long audit with Hospitality Services of MacEwan University's internal events catered by our food service contractor and found 9.5% of catering invoices linked to food waste.

## Continuing Progress

- Developing tender requirements for upcoming renewal of food contract.

## Highlight:

- All napkins are made with 100% recycled content and all dispensers have been converted to 1-ply to reduce consumption. The conversion to 100% recycled content napkins saves over 8200 gallons of water, 4688 kilowatts of energy, 445 gallons of oil, 95 cubic feet of landfill, and 20 trees annually.



# GOAL 6

Incorporate low impact development practices through integrated landscaping and grounds maintenance



## Progress

- Campus landscaping equivalent to 9.17 acres managed in accordance with the Integrated Pest Management plan adopted by Facilities in 2014.

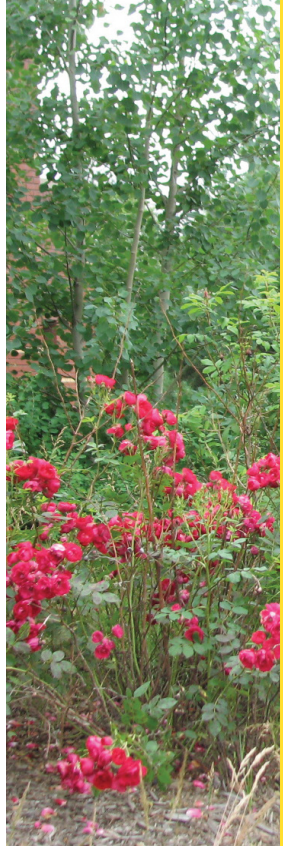


## Continuing Progress

- Facilities continue to prioritize the use of native plant species that are drought-tolerant in landscaping around MacEwan University campuses in order to reduce water use.

### Highlight:

- As part of MacEwan University's effort to establish more sustainable landscaping and ground maintenance, a centrally controlled irrigation system that includes a weather station is used to optimize and regulate water use. All plant beds are mulched to retain additional moisture and all grass is mulched rather than bagged to further reduce waste.



# GOAL 7

Support equitable and environmental purchasing and asset management



## Progress

- Since the MacEwan University rebranding in 2013, all letterhead and business cards are printed on 100% post-consumer paper and include the marking "printed on 100% post-consumer recycled paper."
- A furniture reuse program has generated a decrease in our new furniture purchases at \$200,000 in 2012/13 down to \$125,000 in 2013/14.

## Continuing Progress

- The SOSC has recommended that we convert the entire University's office paper purchases to 100% post-consumer paper. A paper reduction strategy will be implemented to help offset the cost increase for the paper conversion to 100% post-consumer paper.

### Highlight:

- In 2012/13 close to 80% of our office paper purchases were for wood fiber paper that is manufactured without the use of any recycled or alternative fibers. Only 9% of our office paper purchases were certified as 100% post-consumer recycled fiber paper. In 2013/14, our consumption of wood fiber paper went down to 55% and the amount of office paper purchases certified as 100% post-consumer recycled fiber paper increased to 38%.



Cascades

100%  
POST-CONSUMER  
POSTCONSUMMATION



# GOAL 8

Support alternative modes of transportation that lessen transportation related emissions



## Progress

- Mobility Survey developed to evaluate average vehicle ridership, alternative transportation, average commute time and carbon emissions.
- In 2013/14, 63% of students and 40% of employees used sustainable options when commuting to and from MacEwan University.



- An Idle Free campaign was implemented across City Centre Campus. Drop-off zones were identified and signage implemented to instruct drivers that idling for “one minute or less is best.”



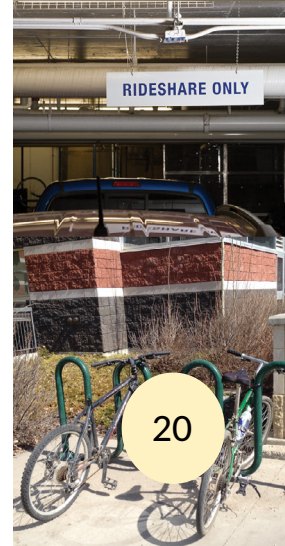
## Continuing Progress

- Transportation services launched a car-share program accessible to all students, staff, and faculty at the University.



## Highlight:

- With NUS-UK funding from Green Impact pilot, SAMU invested in a bike repair station in the bike storage area of the RHLC building parkade.



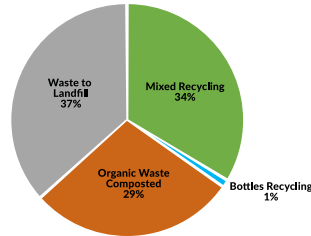
# GOAL 9

Reduce waste generation on campus



## Progress

- In 2012 and in 2013, an estimated 63% of waste was diverted from the landfill. This increased to 65% in 2014.



- From 2011 to 2014 we diverted close to three tonnes of books to reuse via Better World Books and recycled another 2.8 tonnes.
- In 2013/14, the Department of Physical Science tracked 1,845 litres of hazardous waste disposal.
- In 2012, we tracked 304kg of electronic waste diverted to recycling during an electronic waste drive. In 2013, we sent 8 mt of electronic waste to recycling. In 2014, this amount increased to 12 mt.



## Continuing Progress

- Conducted waste audit before and after new signage implementation and found 9% decrease in contamination levels. Signage upgrade now underway across all campuses.
- During SAMU Fall Fest activities 2014, Facilities tracked total number of waste versus recycling and found that diversion to recycling was at 24.5%, an improvement of 4.5% waste diversion from 2013 baseline.
- Tracked a low 23.5% diversion of our construction and demolition materials to reuse or recycling in 2012/13.



## Highlight:



- For two days, the Re-Love Market was home to 40 volunteers, 75 swappers and six tonnes of donated items up for sale. The event served 500 shoppers consisting of both community members and students who bought items totaling nearly 1.5 tonnes. The Market raised close to \$2,000 which will support Residence's Alternative Spring Break, along with developing the Re-Love program on campus.



# GOAL 10

Conserve and protect water through sustainable water management practices



## Progress

- Since 2012, Facilities has implemented 13 new water refill stations across CCC and ACC, increasing availability for students, staff, faculty and visitors to fill up reusable water bottles.



- From our 2009 baseline, our weighted consumption of potable water has decreased by 19% in 2012/13.

## Continuing Progress

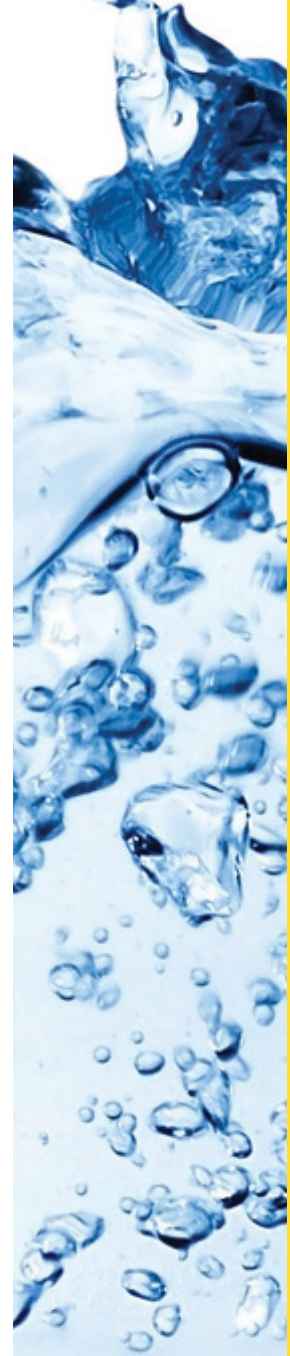
- Tactic group created as part of the SOSOC responsible for reviewing the impact of departmental purchases of spring water bottles for coolers.

### Note:

- A large cistern was built in the parkade of the RHLC building to eliminate discharge of stormwater into the sewer system. The water would be cleaned and used to supply all the irrigation for campus landscaping and more than half the toilets on CCC campus. This water conservation strategy was intended to reduce water consumption by more than 60% (equivalent to 6 million liters per year). This functionality was never activated. Instead, the cistern is kept empty and used as emergency flood tank for the basement of residence.

### Highlight:

- By the end of 2013, the three water refill stations with integrated counters in buildings 5, 6, and 7 tracked a reduction of 240,832 disposable plastic bottles.



# GOAL 11

Develop plans and resources to organize, implement and publicize sustainability initiatives



## FOCUS 3 - PLANNING, ADMINISTRATION, AND ENGAGEMENT

### Progress

- PVP approved the Sustainability Planning Model as the new planning process for sustainability to engage all areas of the university.
- Sustainability Coordinator hired to help deliver Green Impact program and STARS reporting.
- Student Sustainability Assistant hired to support with sustainability initiatives and student outreach activities.
- Created the Leadership for Sustainability Award as part of MacEwan Day.



- Submitted STARS 2.0 report and obtained Silver certification.

### Continuing Progress

- Developing Campus Sustainability Plan 2015-2020.

### Highlight:

Sustainability in education and operations adopted as part of MacEwan University's Integrated Strategic Plan and sets the following objectives for 2014-2019:

- Have rigorous assessment and measurement procedures to establish sustainability indicator baselines
- Introduce a university-wide course, "Sustainability 101", and publish a catalog of courses focused on sustainability as the basis to establish a Minor in Sustainability Studies
- Incorporate sustainability practices in procedures and operations

# GOAL 12

Offer opportunities for employees to learn how their daily activities impact sustainability efforts at MacEwan



# GOAL 13

Support socially responsible investment on campus and financially support sustainability initiatives



## Progress

- Participated in the production of a video introducing the Office of Sustainability and key services for new faculty members.

## Continuing Progress

- Presenting the Office of Sustainability at the New Employee Orientation sessions and providing materials for digital package to new employees.

### Highlight:

- 14 teams participated in a Green Impact pilot in 2013/14, a program that encourages sustainable action among MacEwan University employees. Together with 22 trained student Green Impact Consultants, they implemented 700 actions for sustainability and reached over 300 employees.



## Progress

- Co-founded the Sustainable Campus International Competition, which aims to recognize student-led projects generating positive environmental, social, and economic impacts. 2015 will be the 3rd year of the

competition, which gathered more than 120 applicants from 25 universities in 20 countries worldwide in 2014.



## Continuing Progress

- Formed multi-stakeholder tactic group to review best practices and produce a set of recommendations on sustainability investment strategies.
- Developing proposal to reinvest savings from sustainability programs, resulting in a reduction of spending on office supplies, paper, travel, water, gas, electricity, and overall resource efficiencies.

### Highlight:

- In 2013/14, MacEwan University student-led funding confirmed \$42,000 going towards campus sustainability projects: Re-Love Market, IncrEDIBLE MacEwan, Sustainable Business Week and SCIC.





# GOAL 14

Support volunteerism, partnership, continuing education and outreach that contributes to community needs and advocates for sustainability outside of the institution



## Progress

- From the 303 continuing education courses currently offered, we identified 8 that address sustainability.

## Continuing Progress

- Developed partnership with Riverbend Gardens, a community supported agriculture program, and created a new collection point at the student residence building offering fresh vegetables from local farmers to local consumers.

## Highlight:

- Participated in the 2014 Alberta-wide *Earth Hour, One Hour No Power Campus Challenge*, receiving 383 pledges, and coming in sixth place out of 13 participating institutions.

