

Progress on Our Five Year Sustainability Plan

With one year left in our sustainability plan, we are tracking our targets in water, transportation, energy, curriculum and engagement with more to come on waste and local food.

Update- 5 Year Sustainability Plan



Indicator	Metric	Tracking - Fiscal Year			Status
		Baseline 2012-13	2015-16	Target	
Energy	[kWh/sq.ft]	42.7	33.6	36.3	reached
Water	[m3/sq.ft.]	0.059	0.044	0.053	reached
Waste	[kg/user]	0.072	0.07	0.064	reduce by 0.006
Paper	[# sheets]	10,980,441	8,466,540	7,686,309	reduce by 780,231
Transportation - students	[%]	Unknown	57*	50	reached
Transportation - staff	[%]	Unknown	10*	20	increase by 10%
GHG Emissions	[eMTCO2/user]	0.96	0.86	0.86	reached
Local Food Content	[%]	28	Not Available	40	Not Available
STARS Rating	[Rating]	Bronze	Silver	Silver	reached

*2016/17 data

Indicator	Tracking - Fiscal Year		
	Baseline 2012-13	2015-16	2016-17
Awareness	None	Achieved	Faculty Survey
Awareness	6+	6+	6+
Student Experience	16%	Preliminary est. 25%	22.90%
Student Experience	Unknown	Discussion re: methodology to assess #s	to assess #s
Well-being	No	Learning Outcome	Learning Outcome & Graduate Award
Collaboration	NA	3+	3+
Collaboration	Unknown	6	7
Use Sound Business Analysis	None	Waste Strategy underway	Waste Diversion Implemented

HIGHLIGHTS - YEAR 4 ACHIEVEMENTS

GOAL 1 - Increase Awareness and Understanding of Sustainability

- Fleming Received the STARS Silver award and was the first Canadian institution to receive a Silver award under STARS 2.1.
- Hosted Green Campus Conference in partnership with FASTstart and the Trent University Green team with keynote speakers focusing on Indigenous Knowledge, climate change and biodiversity.
- Launched "Sort it Out" campaign to improve college waste diversion, awareness, and engaging faculty, staff and students in education campaign.
- Fleming video and training materials featured at UNESCO's international sustainability training sessions in Bonn, Germany <https://flemingcollege.ca/sustainability>
- 90% of diploma programs contain Fleming's interdisciplinary Sustainability Learning Outcome and 22.9% of Fleming post-secondary courses have sustainability content.
- Selected by AASHE as the only Canadian Centre for Sustainability Across the Curriculum with Fleming hosting workshops and sharing resource materials with international partners.

GOAL 2 - Incorporate sustainability into the student experience

- Hosted student pitch competition as part of the student led Campus Sustainability Conference in partnership with Trent and awarded \$2500 in FASTart prize money for campus tree planting and alternative energy projects.
- Launched Emerging Leaders for Biodiversity chapter at Frost Campus.
- Launched a \$500 Sustainable Peterborough sponsored student award for graduating students at Sutherland campus – awarded to a Skilled Trades student.
- Provided \$500 applied project awards for students in the School of Skill Trades and Business for campus greening projects
- Workshop jointly delivered with Indigenous Education faculty from Fleming and Trent as part of the AASHE Centre for Sustainability Across the Curriculum--included faculty from insitutions across Canada.
- Continued to work with more than 100 students, in courses in SENRS, Skilled Trades and Business, in applied campus sustainability projects.



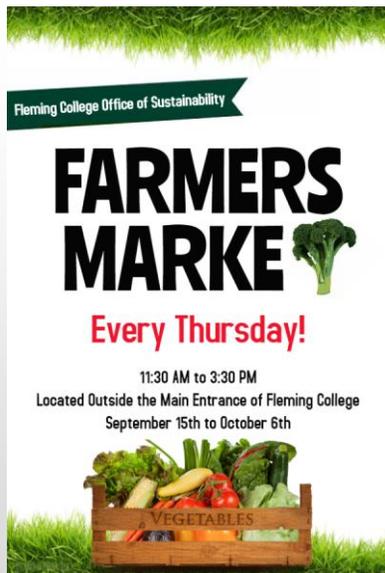
GOAL 3 - Reduce negative environmental impacts of Fleming operations

- "Sort it out" waste diversion campaign launched including the removal of garbage bins in classrooms etc. and positioning of centralized bins. Detailed waste audits performed in fall/16 and winter/17 with initial results of a 13% improvement in waste diversion for Frost and 3% for Sutherland.
- Sutherland Public Transit increased in Sept/16 with 86% increase in ridership.
- Received two CIGan Clean Tech Internship grants in the total amount of 27K to hire Fleming graduates for waste diversion and water conservation projects on campus.
- Achieved a paper usage reduction of 18.5% and launched a faculty workshop in delivering a paperless course.
- Received 10K Greenbelt award as one of three Ontario Colleges selected to be part of a Mohawk College led local food on campus project to increase local food content on campus.
- Established baseline data for Scope, 1, 2 and 3 Greenhouse Gas emissions with targets for reduction.



GOAL 4 – Improve the well-being of Fleming students, staff, and the communities we serve

- Discounted public transit passes extended to Fleming and contractor staff on campus effective January 17 – approximately 50% discount.
- Annual Ecosystem Management Conference focused on mental health and the connection to healthy ecosystems.
- Extended Sutherland community garden use to LINK program participants.
- Aramark, Culinary program and Sustainable Agriculture collaborating on Aramark's purchase of 2K in produce from Sustainable Agriculture garden for use in Frost cafeteria.
- Fourth successful year of fall Farmer's Market at Sutherland campus with expanded choice of vendors.



GOAL 5 - Collaborate on sustainability initiatives

- Hosted first Regional Envirothon Competition for the Peterborough, Kawartha Northumberland Region at Sutherland campus, in partnership with the City and County of Peterborough and the Otonabee Region Conservation Authority.
- Partnered with Aramark for a successful Local Food Greenbelt grant submission to Mohawk College.
- Signed an MOU with the City of Kawartha Lakes to run Nature Explorer Camp with over 100 registered children for summer 2017.
- A financial partner with the Student Administrative Council and the City of Peterborough for the successful launch of the Zagster commercial bike loan program.
- Partnered in the successful United Nations University (UNU) application, as a post-secondary co-lead with Trent University, along with municipal government, NGOs in the recent launch of a Regional Centre of Expertise in Sustainability Education endorsed by UNESCO.

**PETERBOROUGH-
KAWARTHA-
HALIBURTON**
REGIONAL CENTRE OF EXPERTISE
on education for sustainable development



-SUSTAINABILITY ACROSS THE COLLEGE-

- Fleming's Student Administrative council launched a comprehensive transportation plan, including expanded public transit, improved bike infrastructure, commercial bike loan and Rideshare program – received the 2016 Sustainable Peterborough award in the Transportation category.
- LED lighting upgrades across the Kawartha Trade and Technology Centre and Haliburton Campus exteriors
- Six kilometres of trails completed at Sutherland campus
- SIF renovation projects at Frost Campus being built to LEED Silver and including a green roof and PV solar installation
- HVAC updates at Frost campus to save on heating and cooling energy use.
- SIF funded renovations include sensors for lighting.
- Launched Centre for Sustainable Municipalities.
- Launched the first Fleming Enactus program with student volunteers developing a social enterprise to tackle student food insecurity.



LOOKING FORWARD

In the final year of the Sustainability Plan we are committed to meet all of our goals and targets with a particular focus on:

- **Creating a Climate Change Action Plan for targeted GHG reductions and identify “climate leadership skills”, by assessing student participation in projects related to climate change assessment, adaptation and resiliency.**
- **Launching new program opportunities and enhancing existing programs to support the Low Carbon economy**
- **Developing a Sustainability Decision Support Tool and policy – to assist the College in integrating sustainability in all decisions based on CIGan Pan-Canadian Protocol for Sustainability, UNESCO Principles, Indigenous Perspectives, STARS criteria and consideration of climate impacts and resilience.**
- **Participating as post-secondary co-lead with Trent University in implementing the goals of the Regional Centre of Expertise in Sustainability Education for the Peterborough Kawartha and Haliburton Region**

Special thanks to the members of the Sustainability Steering Committee, the Academic Task Force and the Transportation Task Force for their role in the creation and ongoing implementation of Fleming's Sustainability Plan

For more information please go to:

<http://flemingcollege.ca/services/office-of-sustainability>

Our Learning Outcome

Students will be able to; “Explain the interconnections between the broad principles of sustainability-which include human health and well-being, ecological health, social issues, and secure livelihoods-in order to support a better world for all generations.”