



MOHAWK COLLEGE ENVIRONMENTAL MANAGEMENT PLAN 2.0

2015///16 workplan

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Introduction & Purpose

The Sustainability Office remains committed to the implementation of the strategies and actions identified in the Environmental Management Plan, EMP 2.0. This document, the 2015/16 EMP 2.0 Workplan, highlights the Sustainability Office's ongoing operational activities which we refer to as ongoing actions and has identified the new actions/projects for the 2015/16 year. The ongoing and new actions in the following pages have been organized in charts aligned with the EMP 2.0 Pillars and have been arranged based on ongoing or new action status. The charts also identify the objectives, sustainability alignment, funding source and timeline for each action. All new actions have identified implementation timelines. All operational activities are ongoing.

The eight pillars that support campus sustainability continue to represent the key operational and activity areas of focus at the college, and must be approached in an interconnected and cohesive manner. No one pillar is any more important than the other. To successfully achieve campus sustainability, the College must continue to focus its efforts across all eight.

The 8 Pillars:

- Participation & Engagement
- Sustainable Food Systems
- Waste Management
- Transportation
- Facility Operations & Future Development
- Alternative Energy
- Sustainable Procurement
- Communications & Reporting

The ongoing and new actions identified in this plan encompass many different practices, both operational and activity, that contribute to the Colleges' sustainability bottom line. In order to remain on track and to achieve the EMP 2.0 carbon reduction target of 30% by 2020, continued participation from stakeholders and decision makers across all divisions, departments and levels within the College will remain as the single most important factor in achieving campus sustainability.

This work plan provides a clear and focused scope of work for the Sustainability Office and the ongoing implementation of the EMP 2.0 over the next year. This work plan will be reviewed and updated quarterly by the Environmental Management Plan Steering Committee. At the end of each review, a detailed project status report will be developed.



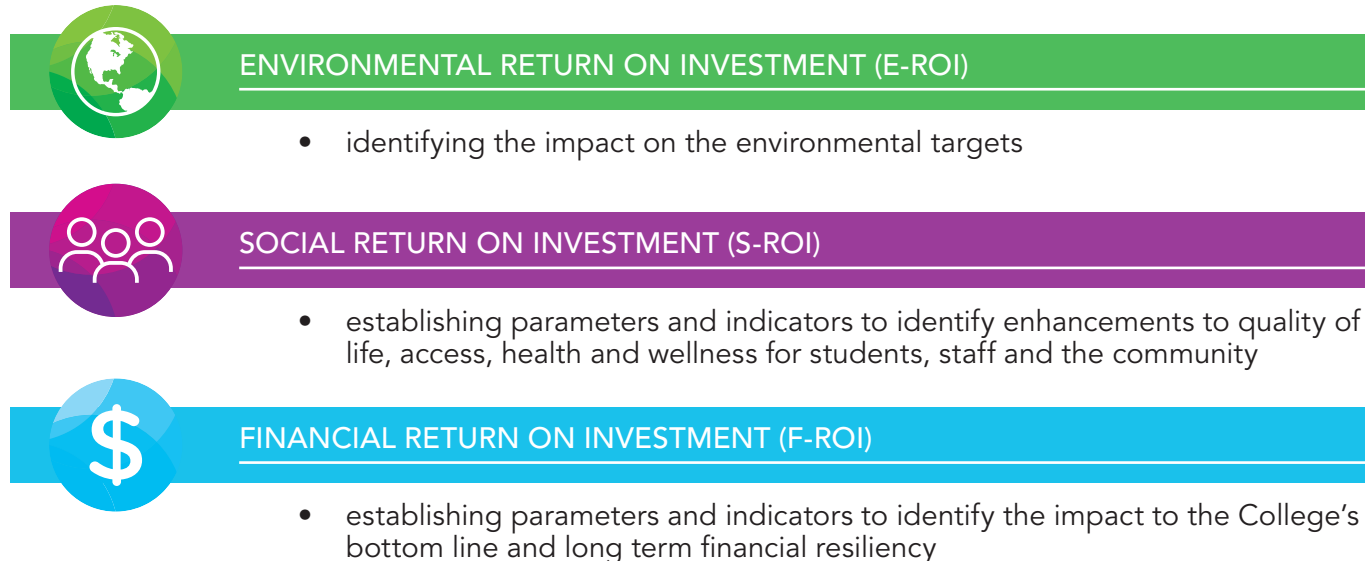
Metrics & Evaluation

Environmental, Social and Financial sustainability metrics are tools that will help measure the full picture benefits achieved by the implementation of EMP 2.0. This phase of implementation has set ambitious targets and will require focused attention, aimed at yielding the greatest returns on the Colleges human resource and financial investments.

A new set of sustainability metric indicators specific to the College and its unique set of business operations should be developed in line with this work plan and the EMP 2.0 implementation process. Each metric indicator should provide measurable data and information to form the full picture of the implementation's success.

Establishing a set of sustainability metrics indicators will allow for a better understanding of the environmental, social and financial impacts, and the alignment with the EMP 2.0 carbon reduction target.

The Metric Indicators are defined below:



It is important that once developed these indicators should be applied early in the decision making process. Ahead of implementation, each action of EMP 2.0 should establish a specific set of environmental, social and financial indicators in order to determine overall impact. These indicators will provide valuable information for reporting to the Environmental Management Plan Steering Committee, Mohawk Executive Group, and any other College Reports.

2015/16 Workplan - New and Ongoing Actions

Pillars to Support Campus Sustainability



Participation & Engagement



Sustainable Food Systems



Waste Management



Transportation



Facility Operations & Future Development



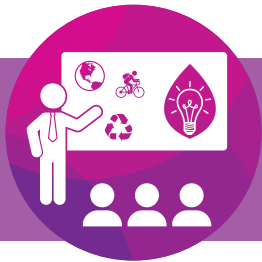
Alternative Energy



Sustainable Procurement

















Communications & Reporting



Participation & Engagement

This Pillar aims to create opportunities to foster change in business practices and behaviours that have a direct impact on Mohawk's financial, environmental and social bottom lines. Encouraging and supporting behaviour change towards sustainability and resiliency in the decision making process will improve the quality of life for students and staff while reducing total costs and carbon emissions.











Actions	Objectives	Funding	Timeline	Sustainability Alignment		
New						
Orientation and Overall Sustainability Awareness	Enhanced participation in orientation outreach activities, introducing a major event as part of the orientation schedule.	SIF	September 2015			
Campus Wellness and Environmental Sustainability Framework	Through stakeholder workshops, develop a campus wellness and environmental sustainability framework and action plan.	Sustainability Operating	Winter 2016			
Sustainable Hamilton	Develop partnership and launch the SHEL Program.	Sustainability Operating	Winter 2016			
Ongoing						
Community Partnerships	Establish new, and maintain current community based partnerships aimed at advancing sustainability in Hamilton and enhancing the student experience at mohawk.	Sustainability Operating	Ongoing			
Placements, Co-ops and Volunteer Opportunities	Student work placement, co-op and volunteer opportunities.	Sustainability Operating/CSEP	Ongoing			
Sustainability Initiatives Fund	Manage committee operations, and the 2015/16 Idea Bank Campaign.	SIF	Ongoing			





Sustainable Food Systems

This Pillar focuses on supporting local food systems, campus agriculture and the health and well-being of Mohawk students, staff and faculty. Health and wellness directly supports academic and workplace success, and contributes to a high quality of life.










Actions	Objectives	Funding	Timeline	Sustainability Alignment		
New						
Community Garden Expansion	Complete site expansion construction on time and budget, engage students and faculty in the development process.	SIF	June 2015			
Fennell Orchard	Organize an interactive spring pruning workshop for Mohawk students, staff and community members to learn the skills of fruit tree maintenance.	Sustainability Operating	May 2015			
Ongoing						
Campus Farm Stand	Operation of the Campus Farm Stand July-October, in partnership with the SIF, Environment Hamilton and the Mustard Seed Coop.	SIF	Ongoing July-October			
Community Garden	With students, develop the new campus community garden program model, aligned with site expansion. Program to be led by student employees.	Sustainability Operating	November 2015			





Waste Management

This Pillar examines waste management in a number of areas including solid waste and recycling, hazardous waste and paper usage. Successful implementation will result in lower operational costs, a reduced carbon footprint and will better prepare the College for longevity as an environmentally-conscious institution.









Actions	Objectives	Funding	Timeline	Sustainability Alignment		
New						
Recycling and Waste Project	Branding and information update of Fennell campus four stream waste bins. Upgrade Fennell Cafeteria waste bins. Establish a monitoring and reporting program. With students, launch a waste management awareness campaign.	SIF	October 2015			
Ongoing						
Hazardous, E-Waste, Battery & Printer Cartridge Waste Management	Continued operation of electronic waste management programs.	Sustainability Operating	Ongoing			
Waste Management Zone & Dish-washing Station	Continued outreach activities and learning events and maintenance of the dish washing station.	Sustainability Operating	Ongoing			





Transportation

This Pillar focuses on developing and supporting a network of transportation alternatives at Mohawk. Strategies will focus on multi-modal transportation, access to education and encourage sustainable lifestyle choices on and off campus.







Actions	Objectives	Funding	Timeline	Sustainability Alignment		
New						
Electric Vehicle (EV) Charging Stations	Installation of 2 EV stations on campus. In partnership with parking service provider and external donor.	Sustainability Operating/ Schneider Donation	June 2015			\$
Campus Bike Repair Stations	Install bike repair stations at all Mohawk Campuses. Develop bike repair educational material.	SIF	August 2015			\$
Ongoing						
Transportation Audit	Complete a pan-campus transportation audit in partnership with the Transportation Engineering technology students and Smart Commute Hamilton experts.	Sustainability Operating	October 2015			\$
Smart Commute Program	Continued operation of the Campus Smart Commute programs and services. Maintain membership on the Hamilton Transportation Management Association.	Sustainability Operating	Ongoing			\$

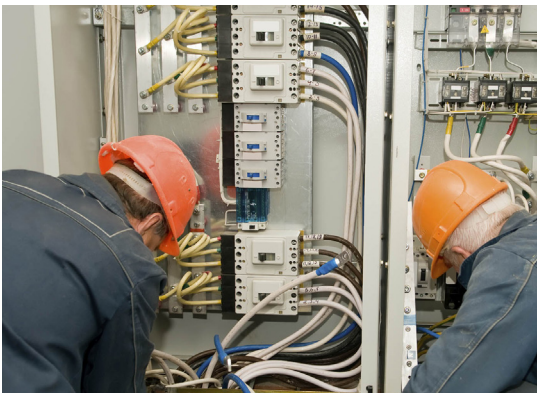




Facility Operations & Future Development

This Pillar considers campus locations, existing buildings, outdoor and natural space, future development, alternative energy and further integration in the broader community. Mohawk must respond to rising energy and operational costs to ensure long-term environmental, social and fiscal resiliency.








Actions	Objectives	Funding	Timeline	Sustainability Alignment		
New						
Rain Water Harvesting	Install student designed rain water harvesting system as part of the community garden expansion.	SIF	June 2015			\$
Sustainable Landscape Plan	Lead the completion of the Sustainable Landscape Plan for the Fennell and Stoney Creek Campuses.	Real Estate Planning and Development	July 2015			\$
Ongoing						
Capstone Projects	Sponsor and provide support for student capstone projects in partnership with the Facilities Services division and Sustainable Hamilton (Waste, Energy, Transportation, etc.).	Sustainability Operating	Ongoing			\$





Alternative Energy

This Pillar focuses on the long-term viability of campus energy demands aligned with financial and environmental resiliency. Mohawk must begin the adaptation process, through investments towards operational cost reductions for today and the future. Investing in on-campus alternative energy production will generate revenue through cost reductions, reduce the institutional carbon footprint and encourage responsible energy consumption.

Actions	Objectives	Funding	Timeline	Sustainability Alignment
New				
Green Energy Doors Open	Host a Green Energy Doors Open community event at Mohawk to showcase the college's sustainable energy living labs.	Sustainability Operating	October 2015	 
Sustainable Resource Centre	Provide leadership towards the development of the Sustainable Resource Centre focused on experiential learning, living lab technologies and industry partnerships.	N/A	N/A	  
Ongoing				
Campus Energy Audit	Provide leadership on the Campus Energy Audit process and complete any required next step reporting.	N/A	Fall 2015	 





Sustainable Procurement

This pillar addresses procurement in the context of value for money, carbon emission reduction, social responsibility and the integration of triple bottom line performance considerations into the procurement process.

Actions	Objectives	Funding	Timeline	Sustainability Alignment
New				
Sustainable Procurement Workshop	In partnership with the Corporate Services Division, Purchasing Services and McMaster University host a Sustainable Procurement workshop.	Sustainability Operating/VPSC	November 2015	
Sustainable Procurement Framework	Develop a campus sustainable procurement framework and policy aligned with trade agreements, provincial policy and industry regulations for implementation in 2016.	Sustainability Operating/VPSC	March 2016	
Supplier Workshop	Host a supplier workshop focused on the new framework and current purchasing processes and arrangements.	Sustainability Operating/VPSC	June 2016	
Ongoing				

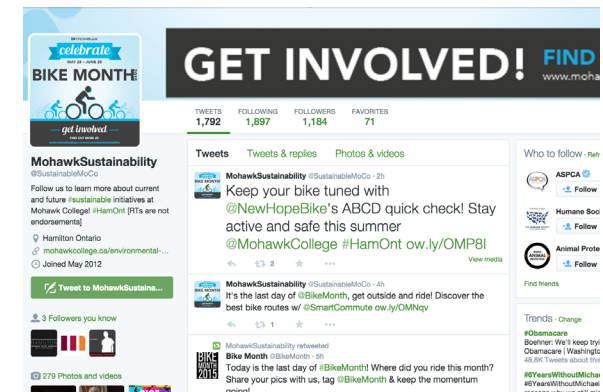






















Communication & Reporting

This Pillar encompasses the ongoing tracking, reporting and communication of all initiatives, progress and achievements in relation to EMP 2.0. To ensure continued success of the Plan, Mohawk must consistently communicate information to College stakeholders in a timely, transparent and inclusive manner.














Actions	Objectives	Funding	Timeline	Sustainability Alignment
New				
Association for the Advancement of Sustainability in Higher Education (AASHE) Report	Complete the AASHE Sustainability Tracking Assessment and Rating System (STARS) report.	Sustainability Operating	August 2015	
Annual Report	Develop an annual EMP 2.0/College Sustainability report.	Sustainability Operating	March 2016	
Digital Display and Reporting Dashboard	Implement a digital display and reporting dashboard to increase awareness of projects, programs, services and live data and reporting information feeds.	Sustainability Operating	August 2015	
Ongoing				
Sustainability E-News	Continued monthly e-news publication	Sustainability Operating	Ongoing	
Digital Media	Continued maintenance and operation of social and web media communications tools.	Sustainability Operating	Ongoing	
External Liaison, Committee Membership and Guest Lecturing	Maintain current levels of community and external partnerships and in class teaching aligned with the college's strategic agenda.	Sustainability Operating	Ongoing	


















2015/16 Workplan - New and Ongoing Actions Summary Charts

Actions	Objectives	Funding	Timeline	Sustainability Alignment		
Pillar 1: Participation & Engagement						
New						
Orientation and Overall Sustainability Awareness	Enhanced participation in orientation outreach activities, introducing a major event as part of the orientation schedule.	SIF	September 2015			
Campus Wellness and Environmental Sustainability Framework	Through stakeholder workshops, develop a campus wellness and environmental sustainability framework and action plan.	Sustainability Operating	Winter 2016			
Sustainable Hamilton	Develop partnership and launch the SHEL Program.	Sustainability Operating	Winter 2016			
Ongoing						
Community Partnerships	Establish new, and maintain current community based partnerships aimed at advancing sustainability in Hamilton and enhancing the student experience at mohawk.	Sustainability Operating	Ongoing			
Placements, Co-ops and Volunteer Opportunities	Student work placement, co-op and volunteer opportunities.	Sustainability Operating/CSEP	Ongoing			
Sustainability Initiatives Fund	Manage committee operations, and the 2015/16 Idea Bank Campaign.	SIF	Ongoing			
Pillar 2: Sustainable Food Systems						
New						
Community Garden Expansion	Complete site expansion construction on time and budget, engage students and faculty in the development process.	SIF	June 2015			
Fennell Orchard	Organize an interactive spring pruning workshop for Mohawk students, staff and community members to learn the skills of fruit tree maintenance.	Sustainability Operating	May 2015			















2015/16 Workplan - New and Ongoing Actions Summary Charts

Actions	Objectives	Funding	Timeline	Sustainability Alignment		
Pillar 2: Sustainable Food Systems						
Ongoing						
Campus Farm Stand	Operation of the Campus Farm Stand July-October, in partnership with the SIF, Environment Hamilton and the Mustard Seed Coop.	SIF	Ongoing July-October			\$
Community Garden	With students, develop the new campus community garden program model, aligned with site expansion. Program to be led by student employees.	Sustainability Operating	November 2015			\$
Pillar 3: Waste Management						
New						
Recycling and Waste Project	Branding and information update of Fennell campus four stream waste bins. Upgrade Fennell Cafeteria waste bins. Establish a monitoring and reporting program. With students, launch a waste management awareness campaign.	SIF	October 2015			\$
Ongoing						
Hazardous, E-Waste, Battery & Printer Cartridge Waste Management	Continued operation of electronic waste management programs.	Sustainability Operating	Ongoing			\$
Waste Management Zone & Dish-washing Station	Continued outreach activities and learning events and maintenance of the dish washing station.	Sustainability Operating	Ongoing			\$
Pillar 4: Transportation						
New						
Electric Vehicle (EV) Charging Stations	Installation of 2 EV stations on campus. In partnership with parking service provider and external donor.	Sustainability Operating/ Schneider Donation	June 2015			\$
Campus Bike Repair Stations	Install bike repair stations at all Mohawk Campuses. Develop bike repair educational material.	SIF	August 2015			\$

2015/16 Workplan - New and Ongoing Actions Summary Charts

Actions	Objectives	Funding	Timeline	Sustainability Alignment		
Pillar 4: Transportation						
Ongoing						
Transportation Audit	Complete a pan-campus transportation audit in partnership with the Transportation Engineering technology students and Smart Commute Hamilton experts.	Sustainability Operating	October 2015			\$
Smart Commute Program	Continued operation of the Campus Smart Commute programs and services. Maintain membership on the Hamilton Transportation Management Association.	Sustainability Operating	Ongoing			\$
Pillar 5: Facility Operations & Future Development						
New						
Rain Water Harvesting	Install student designed rain water harvesting system as part of the community garden expansion.	SIF	June 2015			\$
Sustainable Landscape Plan	Lead the completion of the Sustainable Landscape Plan for the Fennell and Stoney Creek Campuses.	Real Estate Planning and Development	July 2015			\$
Ongoing						
Capstone Projects	Sponsor and provide support for student capstone projects in partnership with the Facilities Services division and Sustainable Hamilton (Waste, Energy, Transportation, etc.).	Sustainability Operating	Ongoing			\$
Pillar 6: Alternative Energy						
New						
Green Energy Doors Open	Host a Green Energy Doors Open community event at Mohawk to showcase the college's sustainable energy living labs.	Sustainability Operating	October 2015			
Sustainable Resource Centre	Provide leadership towards the development of the Sustainable Resource Centre focused on experiential learning, living lab technologies and industry partnerships.	N/A	N/A			\$
Ongoing						
Campus Energy Audit	Provide leadership on the Campus Energy Audit process and complete any required next step reporting.	N/A	Fall 2015			\$

2015/16 Workplan - New and Ongoing Actions Summary Charts

Actions	Objectives	Funding	Timeline	Sustainability Alignment		
Pillar 7: Sustainable Procurement						
New						
Sustainable Procurement Workshop	In partnership with the Corporate Services Division, Purchasing Services and McMaster University host a Sustainable Procurement workshop.	Sustainability Operating/VPSC	November 2015			\$
Sustainable Procurement Framework	Develop a campus sustainable procurement framework and policy aligned with trade agreements, provincial policy and industry regulations for implementation in 2016.	Sustainability Operating/VPSC	March 2016			\$
Supplier Workshop	Host a supplier workshop focused on the new framework and current purchasing processes and arrangements.	Sustainability Operating/VPSC	June 2016			\$
Ongoing						
Pillar 8: Communications & Reporting						
New						
Association for the Advancement of Sustainability in Higher Education (AASHE) Report	Complete the AASHE Sustainability Tracking Assessment and Rating System (STARS) report.	Sustainability Operating	August 2015			\$
Annual Report	Develop an annual EMP 2.0/College Sustainability report.	Sustainability Operating	March 2016			
Digital Display and Reporting Dashboard	Implement a digital display and reporting dashboard to increase awareness of projects, programs, services and live data and reporting information feeds.	Sustainability Operating	August 2015			
Ongoing						
Sustainability E-News	Continued monthly e-news publication	Sustainability Operating	Ongoing			
Digital Media	Continued maintenance and operation of social and web media communications tools.	Sustainability Operating	Ongoing			
External Liaison, Committee Membership and Guest Lecturing	Maintain current levels of community and external partnerships and in-class teaching aligned with the college's strategic agenda.	Sustainability Operating	Ongoing			\$



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