

Sustainability Project Fund Application Form

Project Title: Waste to Resource Assessment

Budget Requested: \$25,000.00 (plus applicable taxes)

Applicant/Project Leader: Marc DOZOIS

Faculty/Department: Buildings and Grounds

Food and Hospitality Services

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Project Team:

1. Marc Dozois, Director

Buildings and Grounds

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10th Floor

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2. Mathieu Laperle, Director

Food and Hospitality Services

McGill Food and Dining Services

Royal Victoria College Residence

3425 University Street

Montreal, Quebec H2A 2A8

I. Project Overview

Project summary:

- *Provide a brief background, describing the project, objectives and outcomes.*

A detailed waste assessment will be conducted in order to understand current waste generation activities, as well as recycling programs presently established across the McGill campus. The waste assessment will identify strategies to improve the current waste diversion rate through the identification of additional recycling opportunities and educational initiatives.

The objectives of this project are;

- Identify current waste management policies across the university
- Evaluate current procedures for handling waste and recycling materials
- Benchmark the current level of waste diversion
- Identify waste diversion opportunities across the University
- Increase the sustainability of McGill University
- Reduce the carbon footprint of McGill University

The outcome of this project is a report that will identify recommendations that will highlight waste management practise that will improve the overall sustainability of McGill University including but not limited to the following;

- Create metrics related to waste generation and waste diversion
- Updated recycling bin location map (last updated September 26, 2007).

Project eligibility:

- *How will the project contribute to building a culture of sustainability on campus?*

What would happen if you took the word "waste" out of the McGill vocabulary?
The first goal in this project would be to maximize current McGill University conventional waste management practices. During follow-up project the goals would be to go to zero landfill and finally to zero waste. This project will help McGill University find ways to reduce, reuse, recycle and recover the things that used to consider trash.

- *Provide any supporting information that demonstrates a need for the project on campus.*

McGill University sends a significant volume of waste to the landfill each year. The current waste management program does not include solutions for all recycling materials generated on the campus, and It does not generate enough detailed information permitting to identify how to optimize the current program through new opportunities, new initiatives. We do not have a complete understanding of what McGill University waste stream is composed of. It is critical to obtain such information for McGill University to reach and exceed its sustainability goals.

Inefficiency is a factor contributing to the year-to-year increase in cost of the waste management program. We anticipate that significant savings will be identified once the analysis is completed.

Timeframe/Milestones:

The project timeframe would cover an 8 week timeframe from start to finish.

<i>Phase Description</i>	<i>Timeline</i>	<i>Deliverables</i>
<i>First meeting with site tours</i>	<i>Week 1</i>	<i>NA</i>
<i>Audit planning and review of policies and procedures</i>	<i>Week 1-2</i>	<i>Audit schedule covering 2 campuses over 2 week timeline</i>
<i>Physical waste audit and sort</i>	<i>Week 3-4</i>	<i>Daily update of findings</i>
<i>Draft of report</i>	<i>Week 6</i>	<i>Draft Report presented for review</i>
<i>Final report</i>	<i>Week 8</i>	<i>Final Report and Presentation of Findings and Next Steps</i>

- *The time Please specify projected project start and finish dates.*

The project would start on April 16th, 2012 and finish on June 8th, 2012, or start on September 17th, 2012 and finish November 9th, 2012.

- *What performance indicators may be used to gauge the success of the project?*

The audit will permit McGill University to identify the benchmarks we will compare our future performance.

Indicators may include, but not limited to:

- Waste Diversion Ratio
- Total tonnes of materials recycled
- Savings in waste hauling and landfill
- GHG reductions
- Usage avoidance for
 - Barrels of oil
 - Kilowatt hours
 - Trees (Paper)

Other indicators might be used based on the audit findings and new initiatives/programs.

- *How will the outcomes be shared with the community?*

McGill University recognition for its achievements and environmental leadership will be documented through different environmental accreditations and recognition awards.

A periodic performance report will be made available to all sectors.

A communication plan on new initiatives and improvements made to existing programs will be developed to highlight achievements and changes to programs

- *Other than the project team, who will be have a stake in your project? Please list the other individuals, groups or departments affiliated or affected directly or indirectly with your project.*

The audit will document the performance of all area within the University.

The project will generate numerous environmental initiatives.

All individuals, groups, departments will be involved at some point. Everyone will have the opportunity to significantly impact the outcomes of this project. It concerns everyone on the campus including the visitors.

The existing Committee will be involved in the planning and implementation of new programs.

- *In what capacity will they be involved? How they will be contributing to the project, i.e. immediate funding, future/ongoing funding, technical expertise, in-kind donations, etc. Letters of commitment may be attached.*

Everyone is a potential generator of waste. Achieving our environmental goals and maintaining a culture of continuous improvements on the campus will demand each of us to contribute to the program by adapting the right behaviour. Each of us might be an agent of change by promoting the programs awareness, suggesting new ways to improve the existing programs as well as recommending new initiatives.

- *Who will be otherwise affected by the project? Have they been consulted? Please summarize their reactions. Letters of support may be attached.*

We know that the McGill community is strongly committed to have an efficient and innovative sustainability program on the Campus.

II. Project Implementation

Type of Activity – Task	Estimated Time Required	Group Member in Charge
Kick off meeting and site tour	1 day	McGill Sustainability Group
Audit Planning Process	2 weeks	Waste Management Group
Onsite audit	2 weeks	Waste Management Group
Report writing	2 weeks	McGill Sustainability Group
Final report presentation	1 week	McGill Sustainability Group

III. Financials

Detailed expenses:

Expense Description	Estimated Cost
Audit Expenses	\$20,781.55
Report and Presentation Expenses	\$4,218.45

Detailed revenues:

Revenue Source	Amount Requested	Confirmed?
Sustainability Projects Fund	\$25,000	No

Patrick Curran

Employment

Waste Management of Canada Corporation **Sept 2008 to Present**
Toronto, Ontario
Area Manager

- Manage operational activities of Green Squad audit programs in Central and Eastern Ontario
- Present audit findings to customers
- Provide individualized solutions for improvements
- Work with other WM services to optimize solutions and customer benefits
- Develop proposals based on customer needs

Automotive Parts Manufacturer's Association **Jan 2000 to Sept 2008**
Toronto, Ontario

Director, Environment, Energy, Health & Safety

- Provide expert advice to APMA member companies on environmental, energy and health & safety
- Developed and delivered ISO14001, Pollution Prevention and Energy Management training
- Member of Canadian Standards Association committee that developed standards for machine guarding and energy control

Dana – Long Manufacturing Division **Jan 1996 – Jan 2000**
Oakville, Ontario

Corporate Environmental Manager

- Directed environmental agenda
- Managed environmental remediation projects
- Coordinated product and process continuous improvement projects

Matthew Adams

Employment

Waste Management of Canada Corporation

June 2010 to

Present

Waterloo, Ontario

Eco-Consultant

- Perform waste audits for clients throughout Ontario in order to comply with Ministry of Environment regulations
- Supervise and direct labor to analyze waste distributions
- Compile data from waste audits into a comprehensive report for clients use towards better diversion rates
- Complete federal documents for client use towards Ontario regulation 102/94

AET Inc.

2008 – 2010

WATERLOO, ON

Environmental Auditor

- Project leader for waste, recycling, and solar feasibility studies conducted for several municipalities throughout Ontario and Manitoba as well as multiple IC&I facilities.
- Responsible for data analysis, writing, and finalizing reports for clients.

Related Waste to Resource Assessment Activities;

- Cambrian College –March, 2012
- University of Toronto, Mississauga -September 2011
- University of Victoria -February, 2011
- Cambrian College – March 2011
- Sheridan College – September 2010
- University of Toronto, Mississauga – April 2009
- Algonquin College – October 2009