

Sustainability Project Fund Application

Applicant/Project Leader: Office of Sustainability, Dennis Fortune

Contact Information:

Name: Dennis Fortune,

Email: dennis.fortune@mcgill.ca

Project Title: Electric low speed vehicle

Budget Requested: \$30,000

Project Group –

Dennis Fortune, Sustainability Director, McGill University

I. Project Overview

Project Summary:

The primary purpose of our Ford pick-up trucks is to plow snow. For the surface area we need to plow and the amount of snow we need to move requires that we use a heavy-duty vehicle. In addition the vehicle must be manufactured and specially prepared by the manufacturer to accommodate the loads placed on the vehicle by snow plowing.

The purchase of a zero emission electric powered utility vehicle would be a beneficial compliment to our existing fleet of heavy-duty vehicles especially when displacing a hydrocarbon vehicle to carry out light duty chores.

Project eligibility:

Purchasing and operating an electric Low Speed Vehicle (LSV) would allow McGill Grounds to store one or possibly more of the heavy duty pick-ups during the warmer seasons (Spring, Summer and Fall) if we had use of an electric utility grade vehicle. We would also have the opportunity to assign staff to a less polluting (and less costly) vehicle for light duty tasks. The electric vehicle can be used to pick-up garbage/debris, recycling material, and could be used to transport light equipment and people for grass cutting duties. This zero emissions vehicle would reduce the impact of the recently purchased heavy duty vehicle that was specifically required for snow plowing.

In addition the electric low speed vehicle would be made available to the Gorilla Compost - Central Campus Composter project on a daily basis for the collections from our food services locations and for the delivery of compost to the composter located at the Wong Building.

The electric LSV would also be available to the Fire Prevention Service unit for shared use for tasks such a servicing and replacing the fire extinguishers in our various building.

The electric LSV would be made available to the McGill Farmers Market on market day for the delivery of purchased groceries. With the removal of parking from the Lower Campus there may be a negative impact on the market for those people who had their vehicle nearby. The Farmers market is considering (if enough demand materializes) to offer a service where groceries purchased (amount to be determined) at the market would be delivered to your vehicle or home within a pre-defined distance. If there is demand for such a service the electric LSV would be made available for that use.

Timeframe/Milestones:

Since the compost collection will require the vehicle to operate on municipal roads the electric LSV must be accepted for use by the Société de l'assurance automobile du Québec (SAAQ). The SAAQ is in the process of expanding the list of eligible electric vehicles (e.g. one currently). McGill is in discussions with SAAQ and a Quebec manufacturer and has been assured that the list will be expanded very soon.

An electric vehicle will be delivered prior to the start of the classes in September 2010.

To measure the success of this project, we will log the number of vehicle running time hours and calculated the amount of diesel fuel not burned by operating the zero emission vehicle.

The outcome/success of the project will be shared on the websites of the Office of Sustainability, the SSMU, the Farmers Market and Gorilla Compost.

Stakeholders: All stake holders have been consulted and support the project.

Claude Lahaie, Associate Director Emergency Measures and Fire Prevention
 Adrienne Uselman and Susanna Klassen, McGill Farmers' Market coordinators 2009-2010
 David Gray-Donald, Gorilla Composting, Central Campus Coordinator
 Angelo Tambasco, Supervisor, Grounds and Vehicle Services

II. Project Implementation**Tasks and Responsibilities:**

Type of Activity – Task	Estimated Time Required	Group Member in Charge
Research and select the LSV best suited for use on the McGill downtown campus that is SAAQ street rated.	May 1, 2010	Dennis Fortune
Delivery of vehicle	August 1, 2010	Dennis Fortune
Establish and mechanism to allow the LSV to be shared by designated student drivers.	September 1, 2010	Dennis Fortune

III. Financials

Detailed expenses:

Expense Description	Estimated Cost
Low Speed Vehicles (LSV) – model to be determined	\$30,000
Applicable taxes (GST,QST)	\$
Documentation – Operating and Maintenance Manuals	Included
Total	\$30,000

Detailed revenues:

Revenue Source	Amount Requested	Confirmed?
Sustainability Projects Fund	\$30,000	No