

Report to: Environmental Issues Committee
Report Date: March 5, 2012
Subject: Markham Environmental Sustainability Fund, Funding Applications, Spring 2012
Prepared by: Mavis Urquhart, Manager, Environmental Policy and Program Development, Environmental Services Dept., Community and Fire Services Commission, Ext. 7502

Recommending:

1. That the funding application from Ontario Streams for \$7,000, for a stream rehabilitation initiative at Little Rouge Creek and Robinson Creek, be approved;
2. That the funding application from Wilclay Public School for \$3,392, for a waste audit, be approved, subject to working with Waste and Environmental Management Department staff;
3. That the funding application from the 3rd Unionville Scouts for \$3,800, for plantings at Milton Feirheller Park, be approved, subject to working with Parks Department staff and that an exception to the funding criteria be provided, to allow this application to proceed prior to completion of their signage project in the Park;
4. That the application from Armadale Public School for \$5,000, for an outdoor classroom, be approved, provided the plant selection is approved by Parks Staff and conditional upon providing written consent of the school board for this project.
5. That the application from St. Edward Catholic Elementary School for an outdoor classroom, be approved, in the amount of \$4,400, provided the plant selection is approved by Parks Staff and conditional upon providing written consent of the school board for this project.
6. That the funds come from the Markham Environmental Sustainability Fund (MESF), account #87 2800168.

Discussion:

The purpose of this report to Environmental Issues Committee is to recommend funding for 5 Community environmental projects.

The balance of the Fund is \$212,140 at the beginning of 2012. Funding is split 2/3 for Town (internal) Projects (\$141,430) and 1/3 to Community Projects (\$70,710). This spring report recommends funding for 5 Community projects for a total of \$23,592. No Staff applications were received.

All funding for 2012 projects will come from Markham Environmental Sustainability Fund (MESF), account #87 2800168. The chart on page 6 shows proposed expenditures from the fund for this funding cycle. The next deadline for MESF applications is September 21, 2012.

The following section describes the Community applications which are evaluated based upon community funding criteria (Attachment 1):

1. Little Rouge Creek/Robinson Creek Rehabilitation – Ontario Streams requesting \$7,000

Ontario Streams is a non-profit organization that focuses on protecting and rehabilitating streams and wetlands in Ontario through education and community action. This application comes from Jessica Benvenuti, Project Coordinator, who is seeking funds to continue an on-going stream rehabilitation initiative at 2 locations:

1. Little Rouge Creek, north of Donald Cousens Parkway, east of 9th Line; and
2. Robinson Creek, north of 16th Avenue to Roy Rainey Ave. and south of 16th to Raymerville Drive.

The purpose of the project is to rehabilitate habitat for the provincially endangered red side dace fish in the Rouge watershed. It involves planting native shrubs and trees along the riparian zones of both creeks. Plantings would reduce stream temperatures, increase bank stability, reduce erosion and create shade and cover. Plantings would be monitored for 3 years after completion. The total cost of this proposed project is estimated to be \$40,202 with \$7,000 from MESF and \$33,202.00 from other funding sources. The requested \$7,000 would be allocated as follows:

• Native trees and shrubs	\$4,680.00
• Waders	\$960.00
• Earth anchors	\$500.00
• Cable, crimps, nails	\$260.00
• Coir	\$316.00
• Staples	\$14.50
• Gloves	\$50.00
• Grass seed	\$169.50
• <u>Volunteer refreshments</u>	<u>\$50.00</u>
TOTAL	\$7,000.00

Volunteer participation and environmental education is a strong component of all Ontario Streams projects. Milliken Mills high school students and other volunteers would assist with project delivery, which is expected to generate 208 volunteer hours. Ontario Streams proposes to promote and acknowledge MESF through their newsletter, educational fact sheets and on their website. These materials are used at tradeshow and distributed to schools and other stakeholders. Ontario Streams has undertaken and reported on 3 successful projects through MESF in the past and staff would support this application.

Recommendation: That the funding application from Ontario Streams for \$7,000 for a stream rehabilitation project be approved.

2. Waste Audit – Wilclay Public School (60 Wilclay Avenue, Steeles Ave. East and McCowan Rd.), requesting \$3,392.00

This application for funding a waste audit project comes from the Eco-Team at Wilclay Public School. Students have already begun the initial steps for a waste audit, including weighing and tracking classroom waste and monitoring recycling bins for contamination.

The purpose of this project is to reduce the amount of waste generated by the school and assist the Town in achieving a greater diversion rate for organic materials. The diversion rate goal for Wilclay public School is set at 90%, with MESF funds proposed to be used to supply organic bins throughout the school. Staff has met with school representatives and the custodial, faculty and students will be adopting practices of Zero Waste at the school, ensuring recycled goods and organics will be collected, consolidated and delivered to the curb for Waste collection. An educational and outreach component is proposed, including the creation of posters and brochures. Through active participation in an organics program at school, students would be able to take what they learned from this project and apply their skills at home and in the community (i.e. restaurants).

The total project cost is estimated to be \$3,392.00, to be funded by MESF. The budget breakdown is as follows:

• Organic Breen Bins (60 units)	\$1,230.00
• Garbage Bins (60 units)	\$1,800.00
• Small Blue Box (12 units)	\$102.00
• Poster Printing	\$20.00
• <u>Brochure Printing</u>	<u>\$240.00</u>
TOTAL	\$3,392.00

An estimated 73 volunteer hours are expected to be generated and the school has proposed to advertise and acknowledge the MESF grant through their school newsletter, the school website, outdoor billboard, daily announcements and through the local newspaper.

Recommendation: That the funding application from Wilclay Public School for \$3,392.00, for a school waste audit, be approved, subject to working with Waste and Environmental Management Department staff.

3. Restoration Planting at Milton Feirheller Park – 3rd Unionville Scouts requesting \$3,800.00

This application comes from 3rd Unionville of Scouts Canada. They have been actively involved in the Markham community, including a “Scoutrees” Program which plants trees annually, volunteers at food banks, senior homes and many other community events. The project team includes the Scouts, representatives from the Markham Chinese Baptist Church, Evergreen and Markham Parks staff. MESF funding is being requested to help restore Milton Feirheller Park, with Town staff assistance by planting native flowers and shrubs on the northwestern section of the pond.

The 3rd Unionville Scouts would provide the volunteers for this project (estimated 172 volunteer hours), while Evergreen and the Town Park's Department staff would provide expertise. The total project cost is estimated at \$3,950.00, with \$3,800 to come from MESF and \$150.00 from other sources. MESF funding is to be used as follows:

- Native wildflowers and shrubs \$3,300.00
- Rototilling \$ 500.00
- TOTAL \$3,800.00**

It should be noted that 3rd Unionville Scouts received funding in Spring 2011, for aerial/heritage signage at Milton Feirheller Park in this location. The signage, which is intended to educate visitors about plant and wildlife in and around the pond, is still being developed. An exception to the Guidelines is required for this, since the guidelines require applicants complete and report on existing projects before they are eligible for further funding. Staff has no objection to an exception as this is all part of the same initiative. As well, design, development and installation of a heritage sign is typically a time consuming process.

Recommendation: That the funding application from the 3rd Unionville Scouts for \$3,800, for planting at Milton Feirheller Park, be approved, subject to working with Parks Department staff and that an exception to the funding criteria be provided to allow this application to proceed prior to completion of their signage project, in the park.

4. Outdoor Classroom - Armadale Public School (11 Coppard Ave, near McCowan Road and Steeles Ave.), requesting \$5,000

This application comes from the Eco-Team at Armadale Public School. The purpose of this project is to create and foster environmental awareness, empower the students and to create an outdoor classroom for learning. Students have been involved in the planning and design of the proposed outdoor classroom. Upon project completion, maintenance of the garden would be the responsibility of the caretakers, teachers and the Eco-Team.

An educational sign component is proposed at the outdoor classroom highlighting the environmental benefits of the learning space and the importance to living a sustainable lifestyle. Total project cost is estimated to be \$20,000, with \$5,000 from MESF and \$15,000 from other sources. The Eco-Team already has secured \$2,000 in prize money for seating stones which was awarded to Councilor Kanapathi by the Federation of Canadian Municipalities. They are seeking funding for educational signs from TD Friends of the Environment Foundation. The breakdown for MESF funds are as follows:

- Native Trees \$2,600
- Bird feeders \$90
- Native Perennials \$850
- Native Shrubs \$875
- Native Ground Cover \$50

• Top Soil	\$410
• <u>Archway</u>	<u>\$100</u>
TOTAL	\$4,975

The Markham Environmental Sustainability Fund would be acknowledged with signage. Written consent of the school board is required to be submitted for this project.

Recommendation: That the funding application from Armadale Public School for \$5,000 for an outdoor classroom, be approved, provided the plant selection is approved by Parks staff and conditional upon the school providing the written consent of the school board for this project.

5. Outdoor Classroom – St. Edward Catholic Elementary School (33 Cairns Dr, McCowan Road and Raymerville Drive), requesting \$5,000

This application comes from the Eco-team at St. Edward C.E.S to restore their courtyard into an outdoor learning space which is to be used as an educational tool for curriculum delivery. The project team would consist of the Eco-Team at St. Edward in addition to volunteers from the school community (parents and school staff).

This application indicates that this project has been broken into 4 phases.

Phase A - remove overgrown existing vegetation and plant native plants and shrubbery

Phase B - power wash existing interlocking stone and sweep in sand

Phase C - resurface of the existing picnic tables and building new portable benches.

Phase D - restoration of metal structure in garden

Upon project completion, the students, parents and staff of St. Edward C.E.S will be responsible for maintenance. The total estimated project cost is \$4,361.80, and \$5,000 is requested from MESF to fund this project.

• Soil	\$240.00
• Mulch	\$240.00
• Shrubby	\$1,200.00
• Perennials	\$750.00
• Lumber	\$1,200.00
• Primer	\$80.00
• Paint	\$80.00
• Sanding materials	\$20.00
• Building Materials	\$50.00
• <u>Hst</u>	<u>\$501.80</u>
TOTAL	\$4,361.80

Parent volunteers in addition to St. Edward staff and students will be responsible for developing and planting the garden, generating approximately 113 volunteer hours. St. Edward Public School will acknowledge MESF within their school community via their school newsletter, school website and a sign for the outdoor classroom. While the funding request is for \$5,000,

staff recommends that \$4,400, be provided in accordance with their proposed budget. Written consent of the school board is required to be submitted for this project.

Recommendation: That the funding application from St. Edward C.E.S. for \$4,400 for an Outdoor Classroom, be approved, subject to the planting selection being approved by Parks staff and conditional upon the school providing the written consent of the school board for this project.

The following chart shows recommended expenditures from the Fund for 2012:

MESF FUNDING 2012	
TOTAL MESF FUNDING Balance – January 1, 2012 (A)	\$212,140
FUNDING AVAILABLE FOR COMMUNITY GROUPS (B = 1/3rd of A)	\$70,710
<i>Community Projects Recommended – Spring</i>	
Ontario Streams	\$7,000
Wilclay Public School	\$3,392
3 rd Unionville Scouts	\$3,800
Armadale Public School	\$5,000
St. Edward C.E.S.	\$4,400
Total (C)	\$23,592
Funds Remaining for Community Projects (D = B-C)	\$47,118
FUNDING AVAILABLE FOR TOWN PROJECTS (E = 2/3 of A)	\$141,430
No Applications received	
MESF FUNDS REMAINING (F = D+E)	\$188,548

Attachment 1 - Criteria for Community Applications

Attachment 2 – Application from Ontario Streams for stream rehabilitation

Attachment 3 - Application from Wilclay PS for a waste audit

Attachment 4 - Application from 3rd Unionville Scouts for plantings at Milton Feirheller Park

Attachment 5 - Application from Armadale PS for an outdoor classroom

Attachment 6 –Application from St. Edward CES for an outdoor classroom

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101 Town Centre Boulevard,
Markham, Ontario, L3R 9W3

ATTACHMENT 1

Markham Environmental Sustainability Fund Applicant's Guide and Application Form

What is the MESF?

The MESF is a Town program that funds innovative and leading environmental initiatives that contribute to the sustainability and health of the natural environment. The fund provides financial resources for projects in Markham that promote environmental responsibility and enhance the protection of the Town's natural resources. The purpose of the fund is to provide demonstrable, widespread and lasting environmental benefits to the Markham community.

Who Can Apply?

Eligible organizations include: other levels of government, public agencies, school boards and Markham Community Groups including: Markham-based community ratepayer associations and local organizations, such as conservation groups, Scouts, etc.

Multi-jurisdictional groups, such as NGOs, or other organizations may be considered if there are clearly demonstrable benefits in the Town of Markham, conditional on such groups working with a local Markham community group.

A maximum of 3 schools may receive funding per funding cycle, to a maximum of \$5,000 each.

Individuals and "for profit" organizations are not eligible. Any project that results in a direct financial private benefit to the fund recipient is not eligible.

What are the Program's Requirements?

Applications will be considered by the Environmental Issues Committee for recommendation to the Finance and Administrative Committee and Council. The following objectives shall be considered by the Environmental Issues Committee when reviewing applications:

- the project is a leading environmental innovation (i.e. pilot project) that can be showcased by the Town of Markham;
- the project promotes education, understanding and participation in environmental sustainability in the Town of Markham; and,
- the project supports the Town's environmental policies and strategic plan

Projects will be expected to meet at least one of these objectives, if not more.

Applications that do not meet any of these criteria will not be approved.

What are the Community Funding Criteria for an Application?

- projects must be within the Town of Markham and initiated by members of the Town of Markham Community, or Town of Markham Community Groups;
- applicants can request a maximum of \$10,000 from the MESF per project per year;
- applicants may only apply once a year, for projects that will be completed within that same one-year time frame (12 months from issuance of cheque);
- only materials and equipment costs (not consulting services) are eligible for funding from the MESF;
- the project should have measurable results;
- the project should have demonstrable, widespread and lasting environmental benefits for the Markham community;
- any groups that received funding for projects which have not been completed and reported on are not eligible for future funding; and
- funding will not be granted where projects have been commenced.

What are some Suggested Projects?

- energy efficiency initiatives / pilot projects
- climate change reduction and Kyoto initiatives
- clean air awareness activities and initiatives
- water management promotion
- green roof promotion and implementation
- downspout disconnection/rain barrel program
- wildlife habitat restoration/naturalization activities
- water conservation/efficiency initiatives

- natural features study update/implementation
- environmental and natural gardening promotion and information
- clean-up activities
- environmental management activities
- school environmental projects

When are the application deadlines?

Funding is awarded twice each year - in Spring (February application deadline) and Fall (September application deadline). For specific dates please refer to the website or contact the Manager of Environmental Leadership.

How Do I apply?

- Step 1** Carefully review these guidelines to ensure your group is eligible.
- Step 2** Speak with the Manager of Environmental Leadership about your proposed application.
- Step 3** Prepare any supporting information, such as illustrations and maps and attach them to the application form. Sufficient and complete information must be provided with the application for the Environmental Issues Committee to make a decision.
- Step 4** Submit your application to the Manager, Environmental Leadership, Town of Markham, Ontario, L3R 9W3. Telephone 905-415-7502, Fax 905-475-4710.

Application Checklist

Please ensure that your application is complete. Are the following included in your submission?

- A complete and signed application form, including all budget and funding details
- All supporting documentation such as a map, species list, etc.
- Consent letter from registered owner, if applicable

What will happen next?

The Environmental Issues Committee will review all applications taking into account the established objectives and criteria described above. They may choose to grant the right to the applicant to present their proposal, if requested. They will determine which projects should be funded and how they should be funded (in a single payment or in phases) and make a recommendation to General Committee and Council.

How will I be notified?

A letter of acknowledgement will be sent upon receipt of an application. If your project is approved for funding, you will be contacted. If your application is not approved, you will be informed in writing.

What happens after the Project is completed?

Upon completion of the project and no later than 12 months from delivery of the funding, you are required to submit your project report. Include a project report and photos so we can review and promote your project, together with the completed consent forms permitting use of your photographs by the Town (copy attached).

What does a Project Report Contain?

- accounting of how all funding has been spent
- original copies of paid invoices
- description of the success/any shortfalls of the project
- photographs for review and promotion of the project
- completed consent form for use of photographs

A project format will be provided to assist you in preparing the report

Application Form

For Office Use Only - Project No.:

Group Information

Name	Ontario Streams		
Address	50 Bloomington Road West, Aurora, Ontario L4G 0L8		
Phone	(905) 713-7399	Fax	(905) 713-7361
Email	jessica.benvenuti@ontariostreams.on.ca	Website Address	www.ontariostreams.on.ca
Charitable/Non Profit Organization registration # (if applicable)	Our Group has a bank account in the name of our organization		
Charitable #: 89664-4374 RP0001	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		

Briefly describe what your group does:

Established in 1995, Ontario Streams is a non-profit organization whose mission is to protect and rehabilitate the streams and wetlands of the Province of Ontario through education and community action. Our objectives are to rehabilitate degraded aquatic habitats, increase communication amongst individuals and organizations involved in conserving aquatic environments in Ontario, and act as a catalyst to empower communities in conserving their local environment through partnership building and the provision of resources.

Projects Contacts

Name	Jessica Benvenuti	Name	Doug Forder
Title	Project Co-ordinator	Title	Field Supervisor
Phone (work)	416-554-6262	Phone (work)	905-713-7399
Phone (home)		Phone (home)	
Email	jessica.benvenuti@ontariostreams.on.ca	Email	doug.forder@ontariostreams.on.ca

Project Summary

Title	Little Rouge and Robinson Creek Rehabilitation and Monitoring Initiative		
Location of Project	<u>Little Rouge Creek</u> : North of Donald Cousens Parkway, East of 9 th Line <u>Robinson Creek</u> : North of 16 th Ave until Roy Rainey Ave and South of 16 th until Raymerville Drive (see attached maps)		
Name of Registered Owner of the Lands	Town of Markham		
Address of Registered Owner of the Lands	101 Town Centre Blvd., Markham, ON, L3R 9W3		
Contact Name for Registered Owner of the Lands	Town of Markham		
Phone # Registered Owner of the Lands	905-477-7000	Duration (months, maximum 12 months)	12 months
Request for	Spring Funding <input checked="" type="checkbox"/>	Fall Funding <input type="checkbox"/>	Either <input type="checkbox"/>
Start Date of Project	April 2012	End Date	March 2013

Please describe which of the following objectives your project meets and how:

- ❖ The project provides demonstrable, widespread and lasting environmental benefits for the community;
- ❖ The project is a leading environmental innovation that can be showcased by the Town of Markham;
- ❖ The project promotes education, understanding and participation in environmental sustainability in the Town of Markham; and;
- ❖ The project supports the Town's environmental policies and strategic plan.

(Please see attachment – Appendix 1)

Please provide a detailed description of your project in the following space. Please attach additional pages if necessary to fully explain your project. This description should include:

- ❖ Purpose for the project
- ❖ Description of the Project Team
- ❖ What will your project accomplish? (include workplan with timelines)
- ❖ Who will maintain and monitor the project after completion? (please provide contact information)
- ❖ What are the measurable benefits of this Project?
- ❖ How will you promote the MESF fund with this project?
- ❖ Describe other funding sources/in kind support
- ❖ How will the benefits to the environment and your community be maintained after your project has been completed?
- ❖ Will there be an educational sign component. If so, please describe

(Please see attachment – Appendix 1)

Please also provide a cost summary including (please use attached budget forms on pages 4 and 5 to this application to provide details of the costs)

Total Project Cost	\$40,202.00	Amount requested from the MESF	\$7000.00
Amount from other sources	\$33,202.00	In- Kind support hours	208

BUDGET FORM – HUMAN RESOURCES (Volunteers)

[illegible]

BUDGET FORM

Materials, Supplies and Equipment	Cost			MESF	Other
	# of units	Unit Cost \$	Total Cost \$		
(e.g. Native seedlings)	500	1.00	500.00	200.00	300.00
Native tree and shrub seedlings	780	\$6.00	\$4680.00	\$4680.00	
Greenhouse shrubs	300	\$3.00	\$900.00		\$900.00
Greenhouse fascines	6	\$10.00	\$60.00		\$60.00
Waders	8	\$120.00	\$960.00	\$960.00	
Earth anchors	50	\$10.00	\$500.00	\$500.00	
Cable, crimps, nails		varies	\$260.00	\$260.00	
Temperature data loggers	2	\$118.00	\$236.00		\$236.00
Coir	2 rolls	\$158.00	\$316.00	\$316.00	
Staples	1 box	\$60.00	\$60.00	\$14.50	\$45.50
Gloves		varies	\$50.00	\$50.00	
Gas			\$700.00		\$700.00
Grass seed	3 bags	\$56.50	\$169.50	\$169.50	
Volunteer Refreshments		\$50.00	\$50.00	\$50.00	
Subtotal			\$8941.50	\$7000.00	\$1941.50

Other Expenses

(e.g. Printing Brochures)	100	0.50	50.00	25.00	25.00
HR – Project Co-ordinator			\$11,449.40		\$11,449.40
HR – Habitat Technician			\$12,021.10		\$12,021.10
HR - Field Supervisor			\$4200.00		\$4200.00
Office resources/supplies			\$1150.00		\$1150.00
Vehicle Mileage/Insurance			\$740.00		\$740.00
Liability Insurance			\$1700.00		\$1700.00
Subtotal			\$31,260.50		\$31,260.50
Total			\$40,202.00	\$7000.00	\$33,202.00

How did you organization hear about the MESF? (Please check one)

Town Website <input type="checkbox"/>	Newspaper advertisement <input type="checkbox"/>	Word of mouth <input checked="" type="checkbox"/>	Other <input type="checkbox"/>
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Upon completion of this Project please submit your project report, as well as original invoices, photos and records to Manager, Environmental Leadership, Town of Markham, 101 Town Centre Boulevard, Markham, Ontario, L3R 9W3. Telephone 905-415-7502. Fax 905-475-4710. Photos may be posted on the Town's website.

Applicant's Signature

I hereby make application for funding from the Markham Environmental Sustainability Fund, declaring that all information contained herein is true and correct and acknowledging that the Town of Markham will assess this application based upon the information contained in this application.

If approved for funding I further acknowledge and agree:

1. to comply with all relevant policies and secure all permits required for this project and acknowledge that the Town bears no responsibility or has any liability in any manner with respect to this project.
2. that the Town reserves the right to review communications and communication materials to be presented to the public to ensure compliance with Town policies, including the Town's Communication Standards.
3. to promote the Markham Environmental Sustainability Fund on any communication materials, or signage associated with this project and will provide a detailed report on the project outlining how the funds were used to support the project upon completion of the project and no later than 1 year from receipt of the funding.
4. to allow the Town of Markham to use the project name and any images associated with the project to promote the Markham Environmental Sustainability Fund.
5. to return all unspent funds to the Town of Markham upon completion of the project.
6. that there shall be no personal benefit directly, or indirectly, from this funding and I will notify the Town of any conflict of interest situation should it arise in carrying out of the project.
7. that the Town is not a partner with the MESF recipient.
8. to permit the Town of Markham to claim ownership of greenhouse gas emission reductions, which resulted from the project.

Signature _____ Title Project Coordinator
 Printed Name Jessica Benvenuti Date Feb 14/12

In the event the Registered Owner of the lands is an entity other than the Town of Markham, a letter must accompany the application stating that: the Owner consents to this application; acknowledges that the proposed project complies to all its applicable policies and requirements; and, that the writer has the authority to give its consent.

*Submission of this application form does not guarantee approval of your application.
 Personal information contained herein is subject to the Municipal Freedom of Information Act and the Personal Protection and Electronic Documents Act. The information collected may be used for promotional purposes.
 Completion of this form constitutes consent by the applicant to these terms and uses.*

OFFICE USE ONLY					
Date Application Received			New Applicant?	Yes	No
Approved/Not Approved	Yes	No			
Acknowledgement Letter Sent?	Yes	No	Date Sent		
Letter of Approval or Rejection Sent?	Yes	No	Date Sent		
Final Report Received?	Yes	No	Date Received		
Photos Received?	Yes	No	Date Received		
Consent for Photographs received	Yes	No	Photos posted on website?	Yes	No

Appendix 1

Please describe which of the following objectives your project meets and how:

This project consists of planting native shrubs along the riparian zone of Little Rouge Creek as well as planting trees and shrubs along Robinson Creek. The riparian shrub planting on Little Rouge Creek will be completed along a 100m stretch, within 1m of the water's edge, at a site located at the north-east corner of Donald Cousens Parkway and Reesor Rd. The Robinson Creek planting will mainly take place north of 16th Ave, and will consist of shrubs being planted within 30m of the meander belt, and trees being planted on valley walls, table lands and in the flood plain no closer than 30m of the meander belt. These plants will create lasting environmental benefits by: reducing stream temperature through the creation of shade, reducing soil loss and erosion on the stream banks, increasing bank stability and creating cover and terrestrial habitat. There will also be monitoring of Robinson Creek and its plantings. If any are dead they will be replaced, and some more plants to be added to ROB 8.

One of the main goals at Ontario Streams is to help empower communities in conserving their local environment through partnership and exchange of resources. Volunteer participation and environmental education is a strong component of all projects at Ontario Streams. It is through this participation in their own backyards that volunteers learn about the natural environment and how to preserve and restore it in their own communities.

Purpose for the project

This project is part of a larger redbside dace habitat rehabilitation initiative which is to monitor, protect, and rehabilitate habitat for the provincially endangered redbside dace populations in the Rouge River watershed. Populations of this sensitive species have been declining due to habitat loss resulting from urbanization and intensive land use. The components of this initiative are aimed at restoring historical populations of Redside dace, and creating additional habitat for existing populations.

The entire project will involve in-stream rehabilitation, habitat enhancement, and monitoring. Little Rouge Creek currently has rock and gravel substrate in some sections while other sections are characterized by predominantly fine sediments. The section at Donald Cousens Parkway is comprised of deep runs and deep pools; however there is a lack of in-stream cover. The stream banks are incised and many sections are vulnerable to erosion. In some areas this has caused trees to fall in the stream and debris to collect and reduce water flow.

The structure of Robinson Creek is very different from the Little Rouge, but a lack of riparian shrub cover is still present. Robinson Creek is a narrow but deep channel with lots of riffle habitat and deep pool sections. This is excellent Redside Dace habitat, which is why this section of Robinson Creek has been a stronghold for the endangered species in the past. A major component of this project is to increase the amount of riparian vegetation along Little Rouge Creek and Robinson Creek to help stabilize banks, reduce stream temperatures, provide food and cover and reduce the widening of the stream channel.

Riparian shrub planting will be completed along a minimum of 100m of Little Rouge Creek and ____m of Robinson Creek. Approximately 780 plants are expected to be planted, depending on funds and availability.

The majority of in-stream work for this project will take place along Little Rouge Creek. It will consist of creating six cabled debris-jam structures which helps to protect eroded banks, as well as the removal of a large debris jam that is obstructing flow. Monitoring will also take place on Little Rouge Creek, with information being gathered on water temperature, the benthic macro-invertebrate community and the fisheries community. Additionally, 1km of in-stream mapping will be conducted from the end of rehabilitation to Reesor rd.

Description of the Project Team

The planting initiative will include one Project Co-ordinator with three to four Habitat Technicians. The other members of the team will be volunteers from the T.E.A.M program at Milliken Mills High School and other interested individuals and volunteer groups within the community.

What will your project accomplish?

Please take note that this work plan is specifically for the planting component only:

Spring 2012

- 1-4 days of replacement planting on Robinson Creek

Summer 2012

- 10-14 days of in-stream work with summer staff on Little Rouge Creek

Fall 2012

- 1 day of shrub planting on Little Rouge Creek (last week of October-first week of November depending on when stock is available) with T.E.A.M. program

Spring 2013

- Site visit to check plants (following completion of project, the site will be monitored for three years for maintenance to plants).
- Final Report due – MESF



Figure 1: Little Rouge Creek site location is shown between red pins on map

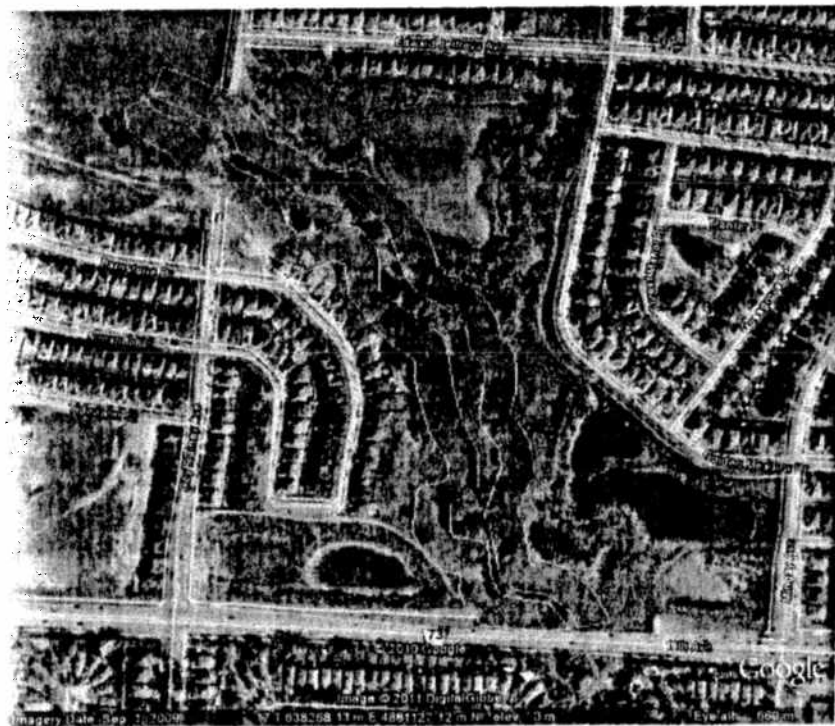


Figure 2: ROB 4 replacement planting area

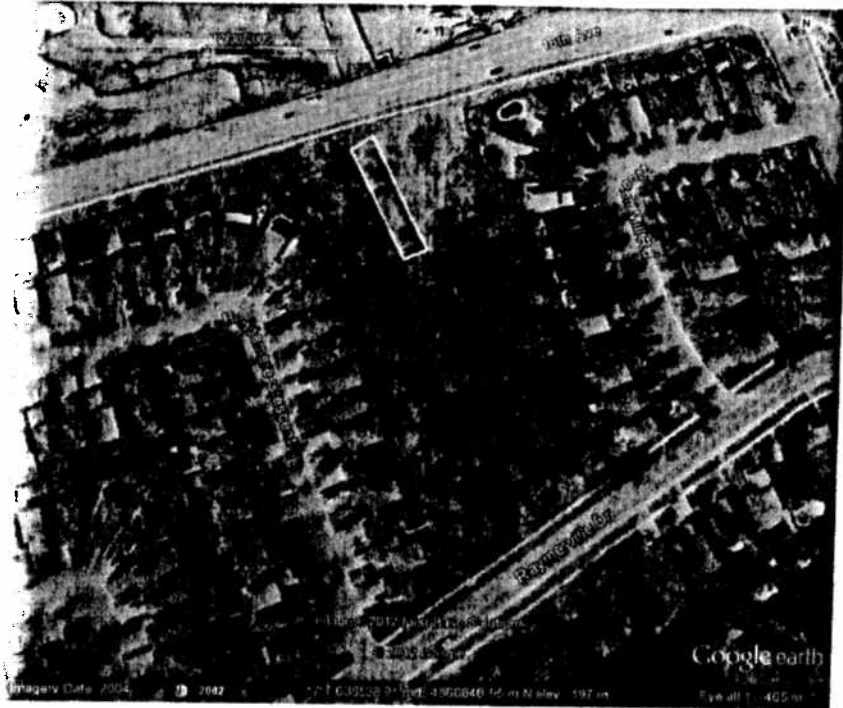


Figure 3: ROB 8 area to be planted

Who will maintain and monitor the project after completion?

This project will be monitored and maintained by Ontario Streams for three years following project completion. During that time, a site visit will be done each spring and fall to verify the shrubs and trees for rate of survival. Following the three years, site checks will be less regular unless heavy maintenance was encountered during the first three years. Contact information for Ontario Streams is as follows:
Ontario Streams - Telephone: (905) 713-7399

What are the measurable benefits of this Project?

The following factors will provide an indication of success of the project:

Short-term:

- The number of people that volunteer their time to help plant
- The number of shrubs planted
- The number of shrubs that survive

Long-term:

- An increase in water quality, a decrease in water temperature
- A reduction in erosion and an increase in soil stability
- An increase in aesthetics and community recreational usage

How will you promote the MESF fund with this project?

Ontario Streams will promote the MESF and acknowledge financial support through the newsletter, fact sheets and on the website. These are advertised at trade shows and in communications material that is distributed to schools, landowners and other stakeholders. In addition, the newsletter will also be circulated to approximately 200 Ontario Streams' members and volunteers.

Describe other funding sources/in kind support

Funding for this project has been requested from the following agencies/organizations:

Organization	Funding Confirmed	Cash \$	In-kind \$
Rouge Park	Yes	\$11 753.00 (Little Rouge Creek only)	
York Region	No	\$10,000.00	
MNR CFWIP	No	\$5000.00	
MNR Species at Risk	No	\$6449.00	
Ontario Streams	Yes		\$600.00
T.E.A.M. Program	Yes		\$500.00
Total Matching Funds		\$33,202.00	\$1,100.00

How will the benefits to the environment and your community be maintained after your project has been completed?

The benefits to the environment and the community will be seen in the long term as the shrubs and trees that are planted begin to grow. They will eventually help to stabilize the soil and reduce the severe erosion and land slumping in this area. The cover provided by the shrubs will help to cool down the stream temperature, improving the water quality and habitat conditions for fish species such as the Redside dace. In proper conditions, these shrubs become practically self-sufficient, but planting sites will be checked annually for survival and possible maintenance.

Will there be an educational sign component. If so, please describe

N/A

ATTACHMENT 3

Application Form

For Office Use Only - Project No.:

Group Information

Name	Wickham Junior School		
Address	66 Audley Ave.		
Phone	905-470-1447	Fax	905-470-1045
Email	deborah.lee@yrtshb.on.ca	Website Address	
Charitable/Non Profit Organization registration # (if applicable)	119306462R20001	Our Group has a bank account in the name of our organization Yes <input type="radio"/> No <input checked="" type="radio"/>	

Briefly describe what your group does:

The Eco-Team meets frequently to discuss environmental issues that affect the school and its population. The team consists of students from grade 3 to grade 8, teachers, administration and caretaking staff. Students monitor for contamination of garbage and recycling bins as well as energy consumption. Other programs in effect include making notepads out of GOOS paper, weighing and tracking classroom waste, informing students about the value of water (the Water Project) and educating the student population with environmental tips. We are currently trying to get funding for an outdoor learning circle, bike racks and low-flush toilets.

Project Contacts

Name	Deborah Lee	Name	Marie Marsala
Title	Teacher	Title	Teacher
Phone (work)	905-470-1447	Phone (work)	905-470-1447
Phone (home)	416-261-2042	Phone (home)	905-477-2173
Email	deborah.lee@yrtshb.on.ca	Email	marie.marsala@yrtshb.on.ca

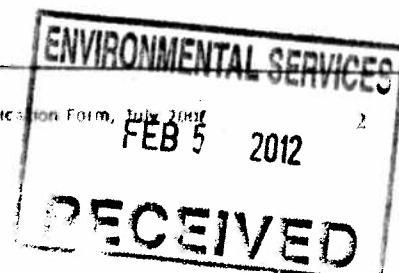
Project Summary

Title	From Garbage to Organics		
Location of Project	Wickham P.S.		
Name of Registered Owner of the Lands	York Region District School Board		
Address of Registered Owner of the Lands			
Contact Name for Registered Owner of the Lands			
Phone # Registered Owner of the Lands		Duration (months, maximum 12 months)	10 months
Request for	Spring Funding <input checked="" type="checkbox"/>	Fall Funding	Either <input type="checkbox"/>
Start Date of Project	Aug 1, 2011	End Date	Sept 1, 2012

Please describe which of the following objectives your project meets and how:

- ❖ The project provides demonstrable, widespread and lasting environmental benefits for the community;
- ❖ The project is a leading environmental innovation that can be showcased by the Town of Markham;
- ❖ The project promotes education, understanding and participation in environmental sustainability in the Town of Markham; and;
- ❖ The project supports the Town's environmental policies and strategic plan.

Through active participation in an organics program at school, students will be able to take what they have learned and apply their new skills to their home and community (i.e., restaurants). This should help the Town of Markham reach their goal of a high diversion rate.



Please provide a detailed description of your project in the following space. Please attach additional pages if necessary to fully explain your project. This description should include:

- ❖ Purpose for the project
- ❖ Description of the Project Team
- ❖ What will your project accomplish? (include workplan with timelines)
- ❖ Who will maintain and monitor the project after completion? (please provide contact information)
- ❖ What are the measurable benefits of this Project?
- ❖ How will you promote the MESF fund with this project?
- ❖ Describe other funding sources/in kind support
- ❖ How will the benefits to the environment and your community be maintained after your project has been completed?
- ❖ Will there be an educational sign component. If so, please describe

* Please see attached.

Please also provide a cost summary including (please use attached budget forms on pages 4 and 5 to this application to provide details of the costs)

Total Project Cost		Amount requested from the MESF	\$3,392.00
Amount from other sources	0	In- Kind support hours	73 approx.

BUDGET FORM – HUMAN RESOURCES (Volunteers)

[illegible]

BUDGET FORM

[illegible]

Other Expenses

Other expenses	100	0.50	50.00	25.00	25.00
(e.g. Printing Brochures)					
Poster printing	20	1.00	20.00	20.00	0
Brochure printing	800	30	240.00	240.00	0
Total	920		13.392	13.392	

How did you organization hear about the MESF? (Please check one)

Town Website	<input checked="" type="checkbox"/>	Newspaper advertisement	<input type="checkbox"/>	Word of mouth	<input type="checkbox"/>	Other	<input type="checkbox"/>
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Upon completion of this Project please submit your project report, as well as original invoices, photos and records to Manager, Environmental Leadership, Town of Markham, 101 Town Centre Boulevard, Markham, Ontario, L3R 9W3. Telephone 905-415-7502. Fax 905-475-4710. Photos may be posted on the Town's website.

Applicant's Signature

I hereby make application for funding from the Markham Environmental Sustainability Fund, declaring that all information contained herein is true and correct and acknowledging that the Town of Markham will assess this application based upon the information contained in this application.

If approved for funding I further acknowledge and agree:

1. to comply with all relevant policies and secure all permits required for this project and acknowledge that the Town bears no responsibility or has any liability in any manner with respect to this project.
2. that the Town reserves the right to review communications and communication materials to be presented to the public to ensure compliance with Town policies, including the Town's Communication Standards.
3. to promote the Markham Environmental Sustainability Fund on any communication materials, or signage associated with this project and will provide a detailed report on the project outlining how the funds were used to support the project upon completion of the project and no later than 1 year from receipt of the funding.
4. to allow the Town of Markham to use the project name and any images associated with the project to promote the Markham Environmental Sustainability Fund.
5. to return all unspent funds to the Town of Markham upon completion of the project.
6. that there shall be no personal benefit directly, or indirectly, from this funding and I will notify the Town of any conflict of interest situation should it arise in carrying out of the project.
7. that the Town is not a partner with the MESF recipient.
8. to permit the Town of Markham to claim ownership of greenhouse gas emission reductions, which resulted from the project.

Signature DL Title Teacher
 Printed Name Deborah Lee Date JAN 24, 2012

In the event the Registered Owner of the lands is an entity other than the Town of Markham, a letter must accompany the application stating that: the Owner consents to this application; acknowledges that the proposed project complies to all its applicable policies and requirements; and, that the writer has the authority to give its consent.

Submission of this application form does not guarantee approval of your application.

Personal information contained herein is subject to the Municipal Freedom of Information Act and the Personal Information Protection and Electronic Documents Act. The information collected may be used for promotional purposes. Completion of this form constitutes consent by the applicant to these terms and uses.

OFFICE USE ONLY				
Date Application Received		New Applicant?	Yes	No
Approved/Not Approved	Yes	No		
Acknowledgement Letter Sent?	Yes	No	Date Sent	
Letter of Approval or Rejection Sent?	Yes	No	Date Sent	
Final Report Received?	Yes	No	Date Received	
Photos Received?	Yes	No	Date Received	
Consent for Photographs received	Yes	No	Photos posted on website?	Yes No

Markham Environmental Sustainability Fund

Photo Consent and Release Form

I, DEBORAH A. LEE hereby permit and authorize the
(Print in full - first, middle initial & last name)
 Town of Markham (the "Town") to take my photograph/image.

I acknowledge and agree that the Town may publish or use the image for any Town purposes by any means whatsoever including, but not limited to electronic or digital means. I acknowledge that the Town may not be able to control the distribution or use of the image by other than Town representatives.

I agree that this Consent and Release is given in perpetuity and for no consideration, credit, acknowledgment or financial recompense, now and in the future.

I hereby hold the Town harmless for any claims, actions, debts, damages, injuries or losses that may arise or be incurred as a result of the taking, use, publication or distribution of the image and I agree to indemnify the Town against any third party claims, actions, damages, injuries or losses brought or assessed against or incurred by the Town for the use of the image(s).

Contact Information					
Signature	<u>DL</u>	Date	<u>Jan 24, 2012</u>		
Address	<u>60 Wilcay Ave</u>				
Town	<u>Markham</u>	Province	<u>ON</u>	Postal Code	<u>L3S 1R4</u>
Telephone	<u>905-470-1441</u>	Email	<u>deborah.lee@ymcsc.edu.ca</u>		
Town of Markham:					
Town Representative		Date			

MESF Grant

Purpose of the Project

To reduce the amount of waste created at Wilcay Public School. Wilcay wants to help the Town of Markham achieve a greater diversion of organics and help Wilcay become an environmentally friendly school in the Milliken District.

Project Team

We are the Eco-Team consisting of staff, students, care-takers, and administration. We meet/communicate regularly to discuss and implement a variety of environmental projects at our school. Some of our current projects include: The Water Project (fundraising and bringing awareness to the importance of water and connecting with a global community), Recycling-Check (Eco-Team checks daily recycling boxes to ensure that the proper materials are being put inside), Lights Off & Energy Monitoring (Eco-Team monitors and records data regarding classroom energy usage), battery recycling & electronic recycling (encouraging students and the greater community to recycle batteries and electronics), GOOS Paper (Eco-Team gathers used paper to create booklets for teachers/students to use), and Race to Zero Waste (School Wide competition to promote Zero Waste, hosted by the Eco-Team).

Workplans and Timelines

We hope our project will accomplish a 90% diversion rate of waste created at our school. Currently, we are tracking the amount of garbage produced at Wilcay by having the Eco-Team weigh each classroom's garbage on a daily basis. If we are successful in receiving the Environmental Sustainability grant, we will be using the funds to put a compost bin in each classroom, class, bathroom, the library, the staffroom, the office, the French room, the art room, the gym, and the conference room (a total of 60 green bins are needed). Also, we will be using the funds to replace each of our open-lid garbage cans with garbage bins that have flip lids (a total of 60 garbage bins with lids are needed). This will assist in the diversion of recyclable and organic matter. Students must ask for permission when throwing things into the garbage. We also hope to use our funds to create and print posters for an education outreach program and brochures (translated into languages that reflect our student population) to be sent home to parents and other members of the community. These brochures will be reviewed by parent council. We hope we will receive the Environmental Sustainability grant this spring so that this can all be in place and running by September 1st, 2012. Hopefully, once we receive the grant, we will hold an assembly with Shayne Hartin in attendance to advise our students, staff, and greater community (parents and other family members) about our new green bin program at Wilcay Public School.

Monitoring of the Project After Completion

We hope that our project will be ongoing. When Shayne Hartin from the Town of Markham came into our school in order to do a waste audit, he observed that the majority of our waste consisted of materials that would normally be put in the compost bin. With the new compost bins and flip-lid garbage cans at our school, the Eco-Team (teachers, students, caretakers, and administration) will check compost bins and garbage cans on a daily basis to ensure that the right materials are being put inside and that waste put inside each garbage can is limited! In particular, caretakers at our school will be responsible for emptying each compost bin.

Measurable Benefits

The measurable benefits of our project will be the reduction of waste to our landfill. We will be able to monitor the reduction of waste through our daily weighing of garbage cans.

Promoting of MESF Fund

We will promote the MESF Fund in a variety of ways. We will announce the results of this project through our school website, our school newsletter, and through daily announcements. We will also contact the Markham Economist newspaper and inform them of this great funding program.

Other Funding Sources

We have applied to a variety of funding sources. These include: the Metro Green Apple Grant (money to be allocated to low flush toilets), the World Wild Life Fund (grant application turned down), and the JD Friends of the Environment Foundation Grant (We are still waiting to hear back. If we receive the money, it is to be allocated for an outdoor learning circle).

Benefits to the Environment and Community After Project Completion

After the project has been completed, we hope that the reduction of waste within our school and greater community will be maintained. This will have great benefits to the environment and community, as less waste will be going into landfills. This ultimately means cleaner air and water for all.

Education Sign Component

Last year, we received an eco-certification plaque/poster to hang proudly in our halls. This is to let others know that we are a "green" school. If we receive the MESF Grant, we will share our great news through our school newsletter, website, announcements, local newspaper and outdoor billboard.

Application Form

For Office Use Only - Project No.:

Group Information			
Name	3 rd UNIONVILLE – SCOUTS CANADA		
Address	9580 WOODBINE AVENUE, MARKHAM, ON, L6C 1H8		
Phone	416 397-5364	Fax	905 887-2964
Email	pedral.k.cheng@gmail.com	Website Address	http://mcbc.com/scout/home/index.php
Charitable/Non Profit Organization registration # (if applicable)	Our Group has a bank account in the name of our organization 10776 - 1694 - RR0059 <input checked="" type="radio"/> Yes <input type="radio"/> No		

Briefly describe what your group does: 3rd Unionville is a registered division of Scouts Canada, an international non-profit organization. Our division is also sponsored by Markham Chinese Baptist Church, which seeks to join community outreach with youth leadership development. Amongst the 4 sections of Beavers, Cubs, Scouts, and Venturers, our group consists of 130-150 youth members, 30 trained adult Scout leaders and 15-20 parent helpers. In addition to youth leadership and outdoor education activities, we also hold special interest seminars for Scouting families, on topics such as health.

We have been actively involved in the community since 1997. Our Scoutrees program plants trees annually, with 1000 seedlings being planted in the York Regional Forest in 2010 alone. Other examples of our involvement include our youths volunteering in community events (e.g., Markham Civic Centre Chinese New Year Celebration 2011 & 2012), them visiting senior homes regularly, helping at the food bank, clothes drives, and fundraisers for multiple sclerosis.

Projects Contacts			
Name	Pedral Cheng	Name	Paul SK Chau
Title	Group Commissioner, 3 rd Unionville – Scouts Canada	Title	Executive Officer Markham Chinese Baptist Church
Phone (work)	416-397-5364	Phone (work)	905-887-6222 ext. 223
Phone (home)	647-929-7010	Phone (home)	
Email	Pedral.k.cheng@gmail.com	Email	paul.sk.chau@mcbc.com

Project Summary			
Title	Restoration Planting of Native Flowers & Shrubs		
Location of Project	Milton Feirheller Park (Woodbine Stormwater Pond)		
Name of Registered Owner of the Lands	Town of Markham		
Address of Registered Owner of the Lands	101 Town Centre Blvd, Markham, On L3R 9W3		
Contact Name for Registered Owner of the Lands	Town Clerk, Town of Markham		
Phone # Registered Owner of the Lands	905-477-7000	Duration (months, maximum 12 months)	4 months
Request for	Spring Funding <input checked="" type="checkbox"/>	Fall Funding <input type="checkbox"/>	Either <input type="checkbox"/>
Start Date of Project	March 2, 2012	End Date	June 2, 2012

Please describe which of the following objectives your project meets and how:

- ❖ The project provides demonstrable, widespread and lasting environmental benefits for the community;
- ❖ The project is a leading environmental innovation that can be showcased by the Town of Markham;
- ❖ The project promotes education, understanding and participation in environmental sustainability in the Town of Markham; and;
- ❖ The project supports the Town's environmental policies and strategic plan.

We propose to partner the Town of Markham with Scouts Canada in restoring Milton Fierheller Park, by planting native wildflowers and shrubbery. Specifically, the project will focus on the northwestern section near the pond. Fully supporting the Town's environmental policies and strategic plan, our project will help to ensure that the community can continue to enjoy the park. By completing this project with young volunteers from Scouts Canada, this project involves local youths in their community, teaching them the importance of environmental conservation as well as the how-to. We place an emphasis on conservation as part of our World Scouts Environment Programme, which educates youths on environmental stewardship.

Please provide a detailed description of your project in the following space. Please attach additional pages if necessary to fully explain your project. This description should include:

- ❖ Purpose for the project
- ❖ Description of the Project Team
- ❖ What will your project accomplish? (include workplan with timelines)
- ❖ Who will maintain and monitor the project after completion? (please provide contact information)
- ❖ What are the measurable benefits of this Project?
- ❖ How will you promote the MESF fund with this project?
- ❖ Describe other funding sources/in kind support
- ❖ How will the benefits to the environment and your community be maintained after your project has been completed?
- ❖ Will there be an educational sign component. If so, please describe

Our team is currently proposing to plant native flowers and shrubs in the northwestern section of the Milton Fierheller Park. This project helps to fulfill Markham's *Trees for Tomorrow* program, part of the town's long-term commitment to improving natural areas. The objective is first to enhance the enjoyment of those using the park through more varied flora, and second to support the native wildlife inhabiting the park. The project will require approval from the town's Operations Department.

The project team consists of several community organizations including: 3rd Unionville division of Scouts Canada, the Group Committee and a representative from Markham Chinese Baptist Church (but under supervision and expert assistance from the Town of Markham), Karen Boniface (Technical Coordinator, Operations Department), Mavis Urquhart (Manager, Environmental Policy and Program Development Operation Department), and Jill Kelly (Project Manager, York Region, Evergreen). Our division of 3rd Unionville will provide the volunteers needed (around 50) for planting while Evergreen will provide the expertise of planting and ordering materials within the proposed budget.

In addition to increasing the flora of a local park, this project provides an opportunity for those involved to collaborate in improving the town, as well for the volunteers to learn and apply basics in planting. Overall, we seek to foster a spirit of environmentalism, volunteerism, and involvement in one's community.

Please also provide a cost summary including (please use attached budget forms on pages 4 and 5 to this application to provide details of the costs)

Total Project Cost	\$3,950	Amount requested from the MESF	\$3,800
Amount from other sources	-	In- Kind support hours	172

BUDGET FORM – HUMAN RESOURCES (Volunteers)[illegible]

BUDGET FORM

[illegible]

Other Expenses —to be fundraised by 3rd Unionville

Other Expenses to be funded by 3 rd Unionville					
Refreshments & drinks for volunteers	60	2.00	120.00		120.00
Miscellaneous supplies					30.00
Total				3800.00	150.00

How did your organization hear about the MESF? (Please check one)

Town Website	_____	Newspaper advertisement	_____	Word of mouth	<u>X</u>	Other : emails/web	_____
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Upon completion of this Project please submit your project report, as well as original Invoices, photos and records to Manager, Environmental Leadership, Town of Markham, 101 Town Centre Boulevard, Markham, Ontario, L3R 9W3. Telephone 905-415-7502. Fax 905-475-4710. Photos may be posted on the Town's website.

Applicant's Signature

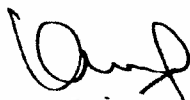
Wang

I hereby make application for funding from the Markham Environmental Sustainability Fund, declaring that all information contained herein is true and correct and acknowledging that the Town of Markham will assess this application based upon the information contained in this application.

If approved for funding I further acknowledge and agree:

1. to comply with all relevant policies and secure all permits required for this project and acknowledge that the Town bears no responsibility or has any liability in any manner with respect to this project.
2. that the Town reserves the right to review communications and communication materials to be presented to the public to ensure compliance with Town policies, including the Town's Communication Standards.
3. to promote the Markham Environmental Sustainability Fund on any communication materials, or signage associated with this project and will provide a detailed report on the project outlining how the funds were used to support the project upon completion of the project and no later than 1 year from receipt of the funding.
4. to allow the Town of Markham to use the project name and any images associated with the project to promote the Markham Environmental Sustainability Fund.
5. to return all unspent funds to the Town of Markham upon completion of the project.
6. that there shall be no personal benefit directly, or indirectly, from this funding and I will notify the Town of any conflict of interest situation should it arise in carrying out of the project.
7. that the Town is not a partner with the MESF recipient.
8. to permit the Town of Markham to claim ownership of greenhouse gas emission reductions, which resulted from the project.

Signature



Title

Group Commissioner, 3rd Unionville – Scouts Canada

Printed Name

Pedral Cheng

Date

February 15, 2012

In the event the Registered Owner of the lands is an entity other than the Town of Markham, a letter must accompany the application stating that: the Owner consents to this application; acknowledges that the proposed project complies to all its applicable policies and requirements; and, that the writer has the authority to give its consent.

Submission of this application form does not guarantee approval of your application.

Personal information contained herein is subject to the Municipal Freedom of Information Act and the Personal Protection and Electronic Documents Act. The information collected may be used for promotional purposes. Completion of this form constitutes consent by the applicant to these terms and uses.

OFFICE USE ONLY

Date Application Received			New Applicant?	Yes	No
Approved/Not Approved	Yes	No			
Acknowledgement Letter Sent?	Yes	No	Date Sent		
Letter of Approval or Rejection Sent?	Yes	No	Date Sent		
Final Report Received?	Yes	No	Date Received		
Photos Received?	Yes	No	Date Received		
Consent for Photographs received	Yes	No	Photos posted on website?	Yes	No

Markham Environmental Sustainability Fund

Photo Consent and Release Form

Pedral K. Cheng

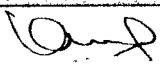
I, _____ hereby permit and authorize the
(Print in full – first, middle initial & last name)

Town of Markham (the "Town") to take my photograph/image.

I acknowledge and agree that the Town may publish or use the image for any Town purposes by any means whatsoever including, but not limited to electronic or digital means. I acknowledge that the Town may not be able to control the distribution or use of the image by other than Town representatives.

I agree that this Consent and Release is given in perpetuity and for no consideration, credit, acknowledgment or financial recompense, now and in the future.

I hereby hold the Town harmless for any claims, actions, debts, damages, injuries or losses that may arise or be incurred as a result of the taking, use, publication or distribution of the image and I agree to indemnify the Town against any third party claims, actions, damages, injuries or losses brought or assessed against or incurred by the Town for the use of the image(s).

Contact Information					
Signature		Date	February 15, 2012		
Address	46 Robert Grundy Road				
Town	Markham	Province	Ontario	Postal Code	L6C 3A3
Telephone	416 397-5364	Email	Pedral.k.cheng@gmail.com		
Town of Markham:					
Town Representative		Date			



Member of Conservation Ontario

Bus. (416) 661- 6600 ext 5710

Contact Name:

Sunah Kim

FAX. (416) 667- 6289

email: skim@trca.on.ca

COST ESTIMATE

PROJECT NAME

Markham Fierheller Planting Project (Spring 2012)

ESTIMATE DATE:

February 21, 2012

REQUESTED DATE: T.B.D.

CUSTOMER NAME:

Town of Markham / Evergreen
C/O: Karen Boniface, Nory Takata / Jill Kelly

	Description	Quantity	Cost
Trees & Shrubs Supply for Spring 2012 Community Planting	Wildflower (Potted)	500	\$2,500.00
	Shrub (1-2 G)	50	\$656.25
	Delivery	1	\$150.00

Plant Materials Supply Cost Total \$3,306.25

	Description	Quantity	Cost
Site Preparation	Mowing (rototilling as req'd)	110sq.m	\$500.00

Site Prep Cost Total \$500.00

Total \$3,806.25

ACCEPTED BY: _____

DATE: _____

PRINT NAME: _____

* Final price is to be confirmed when the order is placed and processed.



PROJECT TITLE

FIERHELLER PARK - WOODBINE STORMWATER POND Markham Community Planting, 2012

ENVIRONMENTAL SERVICES

For Office Use Only: FEB 22 2012

Application Form

Group Information:

Name	Andrew Fisher on behalf of Armadale Public School		
Address	11 Coppard Ave, Markham, ON L3S 2J4		
Phone	905 472 4050 (School)	Fax	
Email	Andrew.Fisher@yrdsb.edu.on.ca	Website Address	
Charitable/Non Profit Organization registration # (if applicable)	Our Group has a bank account in the name of our organization		
<input checked="" type="radio"/> Yes <input type="radio"/> No (Armadale Public School)			

Briefly describe what your group does:

Our Armadale Public School Eco-Team is a teacher-led student group that works hard to promote sustainable practices under the York Region Eco-Schools initiative. Our greening goal for the 2012 school season is to construct an outdoor classroom to: promote environmental awareness, empower our students, and to create an outdoor facility for curriculum delivery.

Project Contacts:

Name	Andrew Fisher	Name	Mike Reali
Title	Teacher	Title	Head Caretaker
Phone (work)	905 472 4050	Phone (work)	905 472 4050
Phone (home)		Phone (home)	
Email	Andrew.Fisher@yrdsb.edu.on.ca	Email	Mike.Reali@yrdsb.edu.on.ca

Project Summary:

Title	Outdoor Classroom		
Location of Project	School Field		
Name of Registered Owner of the Lands	YRDSB		
Address of Registered Owner of the Lands	11 Coppard Ave, Markham, ON L3S 2J4		
Contact Name for Registered Owner of the Lands	Jill Maar (Principal) Armadale PS		
Phone # Registered Owner of the Lands		Duration (months, maximum 12 months)	2.5
Request for	Spring Funding <input checked="" type="checkbox"/>	Fall Funding	Either
Start Date of Project	April 2nd, 2012	End Date	June 15th, 2012 (Summer depending on fall ground freeze)

Please describe which of the following objectives your project meets and how:

- ❖ The project provides demonstrable, widespread and lasting environmental benefits for the community;
- ❖ The project is a leading environmental innovation that can be showcased by the Town of Markham;
- ❖ The project promotes education, understanding and participation in environmental sustainability in the Town of Markham; and;
- ❖ The project supports the Town's environmental policies and strategic plan.

→ This project empowers students to develop and design (through inquiry-based learning) an outdoor classroom for curriculum delivery. We will be planting native shrubs, shade-trees, perennials, and ground cover. Site arrangements will include armour stone. Students will work to maintain the outdoor classroom with teachers and caretakers while learning sustainable practices and developing an appreciation for nature.

Please provide a detailed description of your project in the following space. Please attach additional pages if necessary to fully explain your project. This description should include:

- ❖ Purpose for the project
- ❖ Description of the Project Team
- ❖ What will your project accomplish? (include workplan with timelines)
- ❖ Who will maintain and monitor the project after completion? (please provide contact information)
- ❖ What are the measurable benefits of this Project?
- ❖ How will you promote the MESF fund with this project?
- ❖ Describe other funding sources/in kind support
- ❖ How will the benefits to the environment and your community be maintained after your project has been completed?
- ❖ Will there be an educational sign component. If so, please describe

The Armadale Public School Outdoor Classroom

As mentioned, the A.P.S Eco-team is a teacher-led student organization working under the guidelines of the York Region Eco-schools Initiative. The purpose of our outdoor classroom greening initiative is to empower students to help create an outdoor environment that will be utilized for curriculum delivery. The project will be completed over 2.5 months during the spring and will be maintained in the following years by our school team and caretaking staff. There will be an educational sign component outlining the contributions of the eco-team and the benefit to the community (celebrating the importance of living a sustainable lifestyle and reducing our carbon footprint). The sign will also acknowledge and thank MESF for any contributions and support.

Please also provide a cost summary including (please use attached budget forms on pages 4 and 5 to this application to provide details of the costs)

Total Project Cost	\$20,000.00	Amount requested from the MESF	\$5,000.00
Amount from other sources	\$2,000.00	In-Kind support hours	

BUDGET FORM

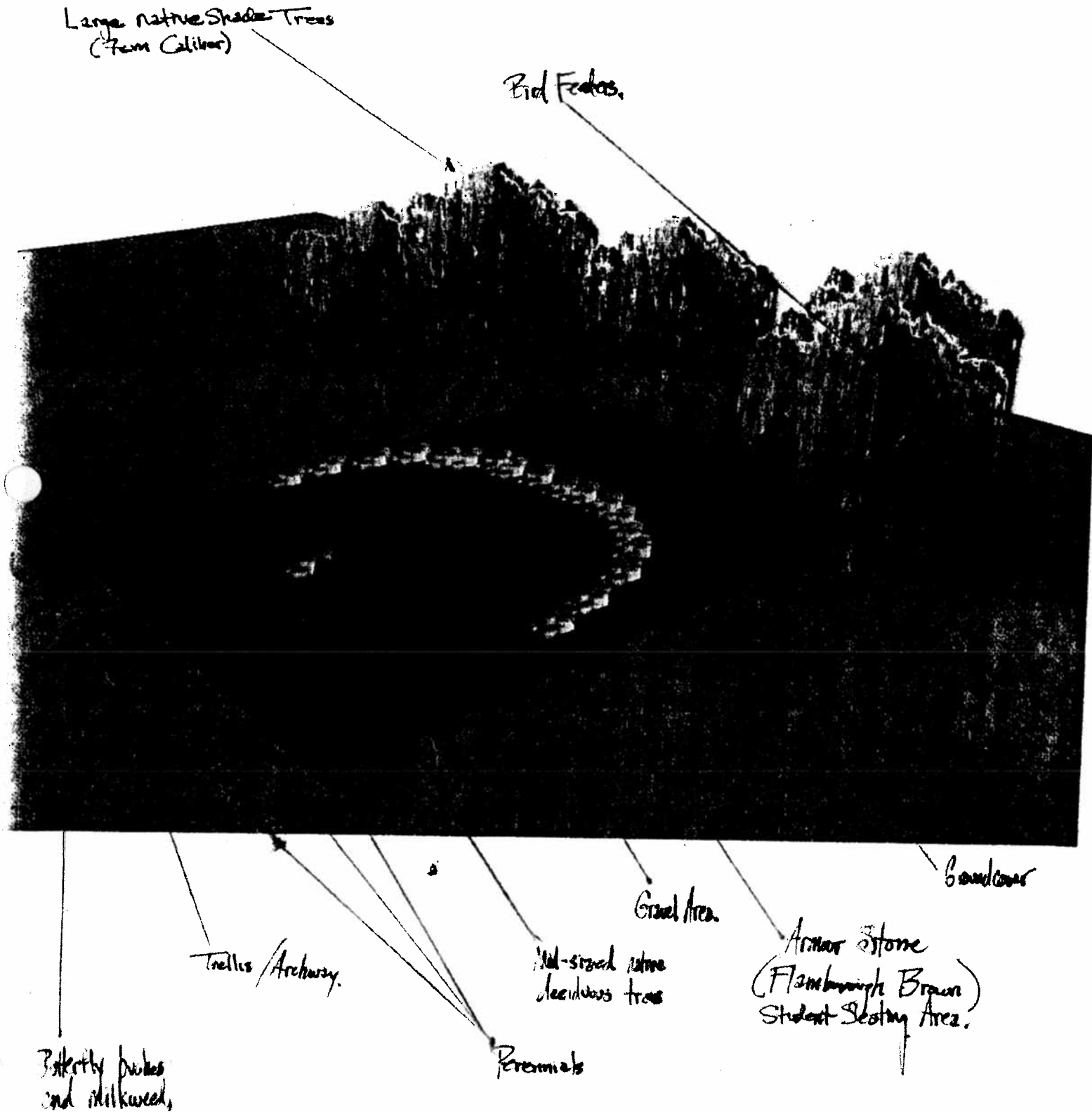
Materials, Supplies and Equipment	Cost			MESF	Other
	# of units	Unit Cost \$	Total Cost \$		
(e.g. Native seedlings)	500	1.00	500.00	200.00	300.00
Native Shade Trees (7cm Caliber)	4	\$650	\$2600	\$2600	
Bird Feeders	6	\$15	\$90	\$90	
Native Perennials	85	\$10	\$850	\$850	
Native Shrubs	25	\$35	\$875	\$875	
Native Ground Cover	(Approx. 400 sq ft)			\$50	
Armour Stone (Flamington Barn)	2-14	Various sizes	\$200 - \$2500		\$2K-2.5K (Holkim)
Gator Bags (70 Gallon)	TBA	TBA			
Top Soil	10	\$100	\$1000	\$410	\$590
Peat Moss and Mulch	10	\$40	\$400		\$400
Mulch and Wood Chips	Donated (Pending)				
Gravel/Stone Walkway	TBA	TBA			
Mid-sized deciduous Trees (Native)	2-4	\$250	\$1000		\$1000
Other Expenses					
(e.g. Printing Brochure)	100	0.25	50.00	25.00	25.00
Labour (Contractors) ~ 110 hrs @ \$65. =/hr. Approx: \$7150.3 * VKDES Contract.					
Signage → Freestanding Single-Side Enamel (Competitive Pricing TBA)					
Archway		\$100			
Total					

How did you organization hear about the MESF? (Please check one)

Town Website ☐ Newspaper advertisement ☐ Word of mouth ☒ Other ☐

Upon completion of this Project please submit your project report, as well as original invoices, photos and records to Manager, Environmental Leadership, Town of Markham, 101 Town Centre Boulevard, Markham, Ontario, L3R 9W3. Telephone 905-415-7502. Fax 905-475-4710. Photos may be posted on the Town's website.

Armada Public School Outdoor Classroom Layout



Applicant's Signature

I hereby make application for funding from the Markham Environmental Sustainability Fund, declaring that all information contained herein is true and correct and acknowledging that the Town of Markham will assess this application based upon the information contained in this application.

If approved for funding I further acknowledge and agree:

1. to comply with all relevant policies and secure all permits required for this project and acknowledge that the Town bears no responsibility or has any liability in any manner with respect to this project.
2. that the Town reserves the right to review communications and communication materials to be presented to the public to ensure compliance with Town policies, including the Town's Communication Standards.
3. to promote the Markham Environmental Sustainability Fund on any communication materials, or signage associated with this project and will provide a detailed report on the project outlining how the funds were used to support the project upon completion of the project and no later than 1 year from receipt of the funding.
4. to allow the Town of Markham to use the project name and any images associated with the project to promote the Markham Environmental Sustainability Fund.
5. to return all unspent funds to the Town of Markham upon completion of the project.
6. that there shall be no personal benefit directly, or indirectly, from this funding and I will notify the Town of any conflict of interest situation should it arise in carrying out of the project.
7. that the Town is not a partner with the MESF recipient.
8. to permit the Town of Markham to claim ownership of greenhouse gas emission reductions, which resulted from the project.

Signature

Title

Printed Name

Date

In the event the Registered Owner of the lands is an entity other than the Town of Markham, a letter must accompany the application stating that: the Owner consents to this application; acknowledges that the proposed project complies to all its applicable policies and requirements; and, that the writer has the authority to give its consent.

Submission of this application form does not guarantee approval of your application.

Personal information contained herein is subject to the Municipal Freedom of Information Act and the Personal Protection and Electronic Documents Act. The information collected may be used for promotional purposes. Completion of this form constitutes consent by the applicant to these terms and uses.

OFFICE USE ONLY				
Date Application Received			New Applicant?	Yes No
Approved/Not Approved	Yes	No		
Acknowledgement Letter Sent?	Yes	No	Date Sent	
Letter of Approval or Rejection Sent?	Yes	No	Date Sent	
Final Report Received?	Yes	No	Date Received	
Photos Received?	Yes	No	Date Received	
Consent for Photographs received	Yes	No	Photos posted on website?	Yes No

Markham Environmental Sustainability Fund

Photo Consent and Release Form

I, Andrew W. Fisher hereby permit and authorize the
(Print in full - first, middle initial & last name)
Town of Markham (the "Town") to take my photograph/image.

I acknowledge and agree that the Town may publish or use the image for any Town purposes by any means whatsoever including, but not limited to electronic or digital means. I acknowledge that the Town may not be able to control the distribution or use of the image by other than Town representatives.

I agree that this Consent and Release is given in perpetuity and for no consideration, credit, acknowledgment or financial recompense, now and in the future.

I hereby hold the Town harmless for any claims, actions, debts, damages, injuries or losses that may arise or be incurred as a result of the taking, use, publication or distribution of the image and I agree to indemnify the Town against any third party claims, actions, damages, injuries or losses brought or assessed against or incurred by the Town for the use of the image(s).

Contact Information					
Signature	<u>Andrew W. Fisher</u>		Date	<u>Jan. 5th, 2012</u>	
Address	<u>Armada Public School</u>				
Town	<u>Markham</u>	Province	<u>ON</u>	Postal Code	<u>L3S 2J4</u>
Telephone	<u>905 472 4050</u>			Email	<u>Andrew.Fisher@ydsb.edu.on.ca</u>
Town of Markham:					
Town Representative				Date	

ENVIRONMENTAL SERVICES

FEB 17 2012

Application Form

For Office Use Only - Project No.:

RECEIVED

Group Information

Name	St. Edward CES		
Address	33 Cairns Dr Markham On L3P 7M8		
Phone	905-471-1445	Fax	905-471-9441
Email	Website Address http://Sed.YCDSB.ca/		
Charitable/Non Profit Organization registration # (if applicable)	Our Group has a bank account in the name of our organization <input checked="" type="radio"/> Yes <input type="radio"/> No		

Briefly describe what your group does:

St Edward CES is a growing school from PK to Grade 8 with dual track. We have 10 English classes and 8 French Immersion classes. Our Eco Team is made of 2 students per class from PK 1 to PK 8, who work together to reduce energy and waste in the school. We are a Silver Eco School. Our hope for this year is to restore our Courtyard into an outdoor classroom.

Projects Contacts

Name	Anne-Marie Gouin-Walbert	Name	Jillian Rajabi
Title	teacher	Title	teacher
Phone (work)	905-471-1445	Phone (work)	905-471-1445
Phone (home)		Phone (home)	
Email	Anne-marie.gouinwalbert@ycdsb.ca	Email	jillian.rajabi@ycdsb.ca

Project Summary

Title	courtyard restoration / outdoor classroom		
Location of Project	courtyard St. Edward		
Name of Registered Owner of the Lands	York Catholic District School board		
Address of Registered Owner of the Lands	320 Bloomington Rd W. Aurora On L4G 0M1		
Contact Name for Registered Owner of the Lands			
Phone # Registered Owner of the Lands	905-473-6111	Duration (months, maximum 12 months)	3
Request for	Spring Funding <input checked="" type="checkbox"/>	Fall Funding	Either <input type="checkbox"/>
Start Date of Project	April 2012	End Date	June 2012

Please describe which of the following objectives your project meets and how:

- ❖ The project provides demonstrable, widespread and lasting environmental benefits for the community;
- ❖ The project is a leading environmental innovation that can be showcased by the Town of Markham;
- ❖ The project promotes education, understanding and participation in environmental sustainability in the Town of Markham; and;
- ❖ The project supports the Town's environmental policies and strategic plan.

Our project promotes education since teachers will be able to take their students outdoors for lessons, on-going management of the space, gardening and eco-club. The use of native plants and drought resistant plants will enhance habitats and animals studies while enabling teaching of the curriculum.

Please provide a detailed description of your project in the following space. Please attach additional pages if necessary to fully explain your project. This description should include:

- ❖ Purpose for the project
- ❖ Description of the Project Team
- ❖ What will your project accomplish? (include workplan with timelines)
- ❖ Who will maintain and monitor the project after completion? (please provide contact information)
- ❖ What are the measurable benefits of this Project?
- ❖ How will you promote the MESF fund with this project?
- ❖ Describe other funding sources/in kind support
- ❖ How will the benefits to the environment and your community be maintained after your project has been completed?
- ❖ Will there be an educational sign component. If so, please describe

The purpose of the project is to restore the courtyard and make it a usable space for classes as an outdoor classroom and a learning space.

The project team will be made up of the Eco team and volunteers from the School Community i.e. parents and staff.

Our project will be done in steps according to funding and in Phases (A-B-C-D)

- ① 1- Pruning of existing trees and shrubbery
2- removing of overgrown Ivy and other shrubs
3- Amend Existing Soil and add new soil
4- Plant native plants, Perennials and Herbs
5- Add mulch
- ② Powerwash interlocking Stone and sweep in polymeric sand*
- ③ 1- Resurface existing picnic tables x 2 with composite lumber
2- build 8 portable Benches with composite lumber
- ④ restore metal structure by Blessed Mary Garden i.e. sand, prime and paint

Our project will provide an inviting space for Students, Staff and provide habitat to various Species where lessons will be taught.

~~* we have two bags already that were purchased last year.~~

Please also provide a cost summary including (please use attached budget forms on pages 4 and 5 to this application to provide details of the costs)

Total Project Cost	4361.80	Amount requested from the MESF	5000.00
Amount from other sources	not known at this time	In- Kind support hours	113

... of p: 3

Once the project is completed students and staff and parents will be responsible in maintaining the new space. During the school year classes would be assigned to take care of it on a rotating basis. During the summer months families will be invited to take turn in taking care of it and a schedule will be created to insure that the gardens are water regularly and weeded as well.

The whole school community will benefit from this project as the space will be usable, practical and designed for outdoor lessons as well as for a safe space for all to get fresh air and to see nature close by. This space will also be conducive to prayers and small gathering.

The MESF fund will be promoted within our school community via our school newsletter, our school website and a sign for the courtyard to show our appreciation for funding received.

We are in the process of applying to Earth Angel for their support with a butterfly garden and tree planting at our school. We will also ask local businesses for donations.

The success of our project will be our volunteers as they are key in the restoration and maintenance of our outdoor classroom.

The Ecoteam will be responsible for the outdoor classroom after completion in order to ensure proper use and upkeep. Since we have chosen plants that are native to the area and drought resistant and cover it with mulch it should be easier to maintain.

Please note: We are using the plan designed for us by Bowmeister Landscaping as a guideline for our project.

Service	Details		In- Kind Value (in hours worked)
	Number of People	Estimated Time for Each hour	
(e.g. Volunteer planters)	10	10	100
Volunteers pruners	6	1	6
Volunteers to remove	6	2	12
Volunteers to amend soil and add	8	2	16
Volunteers planters	6*	1	6
volunteers to spread mulch	6	1	6
Volunteer to powerwash	1	1	1
Volunteers Builders	4	6	24
volunteer Sanders	3	2	6
Volunteer painters	2	2	4
maintenance Volunteers during the summer months 2 per week for 8 weeks	16	2	32
* 6 adults plus students from various classes to assist			
Total	58	20	113

BUDGET FORM

Materials, Supplies and Equipment	Cost			MESF	Other
	# of units	Unit Cost \$	Total Cost \$		
(e.g. Native seedlings)	500	1.00	500.00	200.00	300.00
Soil	6	40	240.00		
mulch	6	40	240.00		
shrubby	20	60	1200.00		
perennials / herbs	30	25	750.00		
Composite lumber for 2 resurface and 8 benches			1200.00		
primer	2	40	80.00		
paint	2	40	80.00		
sanding materials			20.00		
building materials			50.00		
			+ hst 501.80		
			4361.80		

Other Expenses

(e.g. Printing Brochures)	100	0.50	50.00	25.00	25.00
Total					

How did you organization hear about the MESF? (Please check one)

Town Website _____	Newspaper advertisement <input checked="" type="checkbox"/>	Word of mouth _____	Other _____
<p>Upon completion of this Project please submit your project report, as well as original invoices, photos and records to Manager, Environmental Leadership, Town of Markham, 101Town Centre Boulevard, Markham, Ontario, L3R 9W3. Telephone 905-415-7502. Fax 905-475-4710. Photos may be posted on the Town's website.</p>			

Applicant's Signature

I hereby make application for funding from the Markham Environmental Sustainability Fund, declaring that all information contained herein is true and correct and acknowledging that the Town of Markham will assess this application based upon the information contained in this application.

If approved for funding I further acknowledge and agree:

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5. to return all unspent funds to the Town of Markham upon completion of the project.
6. that there shall be no personal benefit directly, or indirectly, from this funding and I will notify the Town of any conflict of interest situation should it arise in carrying out of the project.
7. that the Town is not a partner with the MESF recipient.
8. to permit the Town of Markham to claim ownership of greenhouse gas emission reductions, which resulted from the project.

Signature: A. Guin-Wolbert Title: teacher
 Printed Name: Anne-Marie Guin-Wolbert Date: Feb. 16 2012

In the event the Registered Owner of the lands is an entity other than the Town of Markham, a letter must accompany the application stating that: the Owner consents to this application; acknowledges that the proposed project complies to all its applicable policies and requirements; and, that the writer has the authority to give its consent.

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OFFICE USE ONLY					
Date Application Received			New Applicant?	Yes	No
Approved/Not Approved	Yes	No			
Acknowledgement Letter Sent?	Yes	No	Date Sent		
Letter of Approval or Rejection Sent?	Yes	No	Date Sent		
Final Report Received?	Yes	No	Date Received		
Photos Received?	Yes	No	Date Received		
Consent for Photographs received	Yes	No	Photos posted on website?	Yes	No

Markham Environmental Sustainability Fund

Photo Consent and Release Form

I, Anne-Marie Gowin-Wolbert hereby permit and authorize the
(Print in full - first, middle initial & last name)
Town of Markham (the "Town") to take my photograph/image.

I acknowledge and agree that the Town may publish or use the image for any Town purposes by any means whatsoever including, but not limited to electronic or digital means. I acknowledge that the Town may not be able to control the distribution or use of the image by other than Town representatives.

I agree that this Consent and Release is given in perpetuity and for no consideration, credit, acknowledgment or financial recompense, now and in the future.

I hereby hold the Town harmless for any claims, actions, debts, damages, injuries or losses that may arise or be incurred as a result of the taking, use, publication or distribution of the image and I agree to indemnify the Town against any third party claims, actions, damages, injuries or losses brought or assessed against or incurred by the Town for the use of the image(s).

Contact Information					
Signature	A.M. Gowin-Wolbert		Date	Feb 16 2012	
Address	33 Cairns Dr				
Town	Markham	Province	Ontario	Postal Code	L3P 7M8
Telephone	905-441-1445		Email	anne-marie.gowin-wolbert@yesb.ca	
Town of Markham:					
Town Representative		Date			

Wednesday, February 15, 2012

Town of Markham
101 Town Centre Boulevard
Markham, Ontario
L3R 9W3

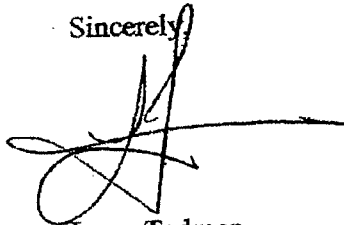
**Attention: Mavis Urquhart, Manager, Environmental Policy and Program
Development**

**Re: Consent for Application for M.E.S.F. Funding for St Edward Elementary
School**

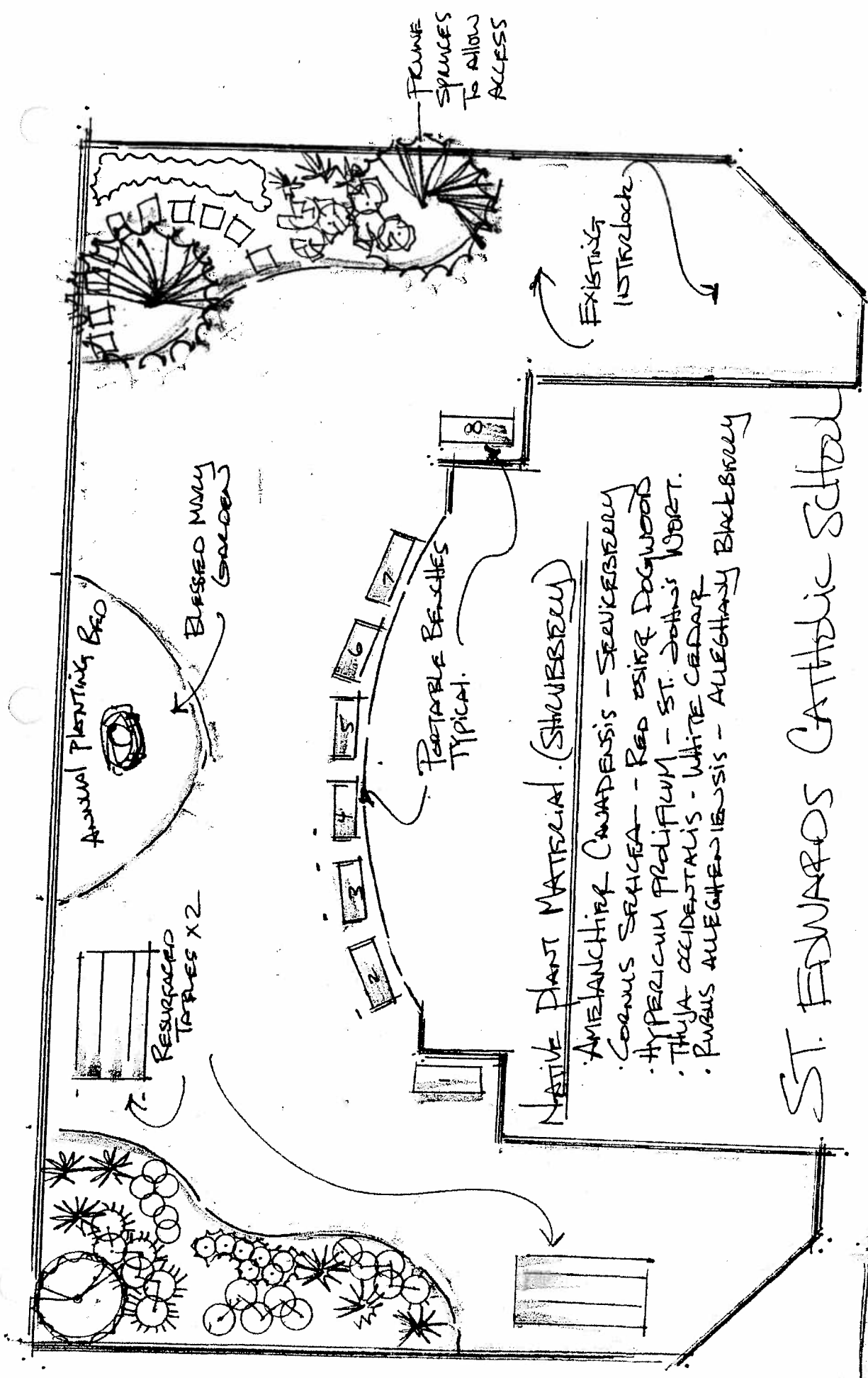
The Registered Owner of the lands at St Edward School is the York Catholic District School Board.

The York Catholic District School Board consents to the application by St Edward School for funds from the Markham Environmental Sustainability Fund (M.E.S.F.). In this capacity, the York Catholic District School Board acknowledges that the proposed project complies with all Board applicable policies and requirements. Mireille Walter, Principal of St Edward School, as the "Applicant for M.E.S.F." has the authority to give consent for the project.

Sincerely,

A handwritten signature in black ink, appearing to be 'Larry Tadman', with a long horizontal stroke extending to the right.

Larry Tadman,
Controller of Environmental Services
Environmental and Office Services Department
York Catholic District School Board



- NATIVE PLANT MATERIAL (SHRUBBERY)
- AMELANCHIER CANADENSIS - SEEVINGSBERRY
 - CORNUS STOLICA - RED BERRY DOGWOOD
 - HYPERICUM PROLIFERUM - ST. JOHN'S WORT
 - THYJA OCCIDENTALIS - WHITE CEDAR
 - PRUNUS ALLEGANIENSIS - ALLEGHANY BLACKBERRY

ST. EDWARD'S CATHOLIC SCHOOL

Scale: Approx. 1/8" = 1'

DESIGNED BY: J.J. BOWMEISTER

BOWMEISTER LANDSCAPING LTD
905-640-1323

NATIVE NON-NATIVE
PERENNIALS/HERBS

- HOSTAS
- PERIWINKLE
- KENT FORESTER GRASS
- DAY LILY
- BUTTERFLY MILKWEED
- CORONILLA