

Report to: Environmental Issues Committee
Report date: March 12, 2013
Subject: Markham Environmental Sustainability Fund, Funding Applications, Spring 2013
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 \$8,500, for a stream rehabilitation initiative at Little Rouge Creek and Robinson Creek, be approved;
2. That the funding application from EcoWatch Canada for \$9,355, for a household battery collection and recycling program, be approved;
3. That the funds come from the Markham Environmental Sustainability Fund (MESF), account #87 2800168;
4. And further, that Staff be authorized to do all things necessary to give effect to the above.

Discussion:

The purpose of this report to Environmental Issues Committee is to recommend that funding from the Markham Environmental Sustainability Fund be provided for 2 Community Environmental projects for a total of \$17,855. No Staff applications for funding were received. All funding for the 2013 projects would come from the MESF account #87 2800 168. The allocation of MESF funds for 2013 is \$150,000 (as per Council resolution on December 18, 2012), of which \$25,000 was identified for the Zero Waste for Schools Program beginning 2013. The chart on page 4 shows proposed expenditures from the fund for this funding cycle. The next deadline for MESF applications is September 13, 2013. The following section describes the Community applications which are evaluated based upon community funding criteria (Appendix 1):

1. Little Rouge Creek and Robinson Creek Rehabilitation and Monitoring Program – Ontario Streams requesting \$8,500 (Appendix 4)

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 a multi-year stream rehabilitation initiative at 2 locations:

- Little Rouge Creek, at Reesor Rd., to 16th Ave.
- Robinson Creek, south of 16th Ave.

Overall, their goal is to rehabilitate habitat for the provincially endangered red side dace fish in the Rouge watershed. This involves planting native shrubs and trees along the riparian zones of both creeks. Plantings reduce stream temperatures, increase bank stability, reduce erosion and create shade and cover for fish.

Between 2009 and 2012, Ontario Streams has conducted 4 annual riparian rehabilitation projects along Little Rouge and Robinson Creeks with MESF funding support. These projects have progressively improved habitat quality of the riparian area through planting vegetation, bank stabilization and removal of debris. Volunteer participation and environmental education is a strong component of all Ontario Streams projects. Milliken Mills High School students have participated along with other volunteer groups over the past four years. Appendices 2 and 3 show the extent of the rehabilitation work over the years.

The proposed project area for 2013 extends from the bridge crossing at Reesor Rd. to the intersection of Little Rouge Creek and 16th Ave. Plantings are proposed in locations identified in the application (Appendix 4). Once completed, the plantings would be monitored for 3 years. The total cost of this proposed project is estimated to be \$44,175, with \$8,500 from MESF and \$35,675 from other funding sources. The requested funding of \$8,500 from MESF would be allocated as follows:

• Native trees and greenhouse shrubs	\$4,500
• Landscaping supplies	\$ 805
• Cedar logs and rails	\$1,045
• Volunteer refreshments	\$ 50
• Gas/mileage	\$1,800
• <u>Office supplies</u>	<u>\$ 300</u>
TOTAL	\$8,500

As noted above, volunteer participation and environmental education is a strong component of all Ontario Streams projects. Milliken Mills High School students and other volunteers would again assist with project delivery, which is expected to generate 168 volunteer hours. Ontario Streams proposes to continue to acknowledge and promote MESF through their newsletter, educational fact sheets and on their website. These materials are used at tradeshow and distributed to schools and other stakeholders.

Staff also notes that \$1,800 is included in the budget for mileage and gas. The Guidelines permit funding to be used for equipment and supplies. Provided the Committee has no objection to this expenditure, Staff has no objection to the proposal. Planning and Parks and Environmental Services staff have reviewed the application and would support this project based upon their past track record, accomplishments and community involvement.

Recommendation: That the funding application from Ontario Streams for \$8,500 for a stream rehabilitation project be approved.

Battery collection and recycling program for schools – EcoWatch Canada requesting \$9355 (amended)(Appendix 5)

EcoWatch Canada is a charitable non-profit focused on promoting environmental awareness within the City of Markham through educational and demonstration projects and programs. The purpose of this project is to educate children and parents on the importance of the safe disposal of batteries as hazardous materials and to collect and recycle household batteries (including non-rechargeable and rechargeable batteries), as well as cell phone batteries. In 2009, EcoWatch Canada undertook Markham's very successful School Battery Retrieval Program, where 13 schools competed to collect the most batteries. In total, more than 2000 lbs. were collected through that program. This project is aimed at educating children and their parents on protecting the environment by collecting batteries for recycling. It would include development of a campaign website, social media sites and educational and promotional materials. It would be carried out by 28 volunteers, managed by 2 project managers and an Oversight Committee. It is projected to result in 2,300 volunteer hours. To generate participation, an annual competition and award is proposed. Winners would be determined by weight of batteries collected per student.

The total cost is estimated to be \$76,695, with \$9,355 from MESF and the remainder from other funding sources. The requested funding of \$9,355 would be allocated as follows:

• Website Design	\$3,000
• Laminate information sheets	\$1,000
• Posters, Letterhead, Envelopes	\$1,275
• Button pins and Fridge magnets	\$2,080
• Markham Home Show & Children's Festival booths	\$1,000
• Show Demonstration supplies	\$ 400
• <u>Educational Demonstration kits</u>	<u>\$ 600</u>
TOTAL	\$9,355

The original application had requested \$9,955 which included \$600 for Agendas. This item was deleted from the application at the applicant's request bringing the total funding request to \$9,355. Staff also note that \$3,000 is included in the budget for website design. The Guidelines permit funding to be used for equipment and supplies. Provided the Committee has no objection to this expenditure, Staff has no objection to the proposal based upon the success of Ecowatch in the past.

Recommendation: That the funding application from EcoWatch Canada for \$9,355, for a household battery collection and recycling program, be approved.

The following chart shows recommended expenditures from the MESF Fund for 2013:

MESF Funding 2013	
TOTAL MESF FUNDING Balance – January 1, 2013	\$150,000
ZERO WASTE FOR SCHOOLS* (<i>managed by Waste Management staff</i>)	\$25,000*
FUNDING AVAILABLE FOR MESF PROJECTS	\$125,000
<i>Community Projects Recommended – Spring</i>	
Ontario Streams – stream rehabilitation and monitoring program	\$8,500
EcoWatch Canada - battery collection and recycling program for schools	\$9,355
Total	\$17,855
MESF FUNDS REMAINING	\$107,145

*Zero Waste for Schools Program allocated \$25,000 on an annual basis beginning 2013 as approved by Council on December 18, 2012**

- Appendix 1 - Criteria for Community Applications
- Appendix 2 - Ontario Stream's Rehabilitation Projects, Little Rouge Creek 2009-2013
- Appendix 3 - Ontario Stream's Rehabilitation Projects, Robinson Creek 2009-2013
- Appendix 4 - Application from Ontario Streams
- Appendix 5 - Application from EcoWatch Canada

Markham Environmental Sustainability Fund Applicant's Guide and Application Form

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

What is the MESF?

The MESF is a municipal 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 Markham'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 City 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. Schools **must** be "Zero Waste" Schools (have an organics waste program) to be eligible starting in 2013.

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 City of Markham;
- the project promotes education, understanding and participation in environmental sustainability in the City of Markham; and,
- the project supports Markham'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 City of Markham and initiated by members of the City of Markham Community, or City 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, Policy & Program Development.

How Do I apply?

- Step 1 **Carefully review these guidelines** to ensure your group is eligible.
- Step 2 **Speak with the Manager, Environmental Policy & Program Development** 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 Policy & Program Development, City of Markham, Ontario, L3R 9W3. Telephone 905-415-7502, Fax 905-479-7772.

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.

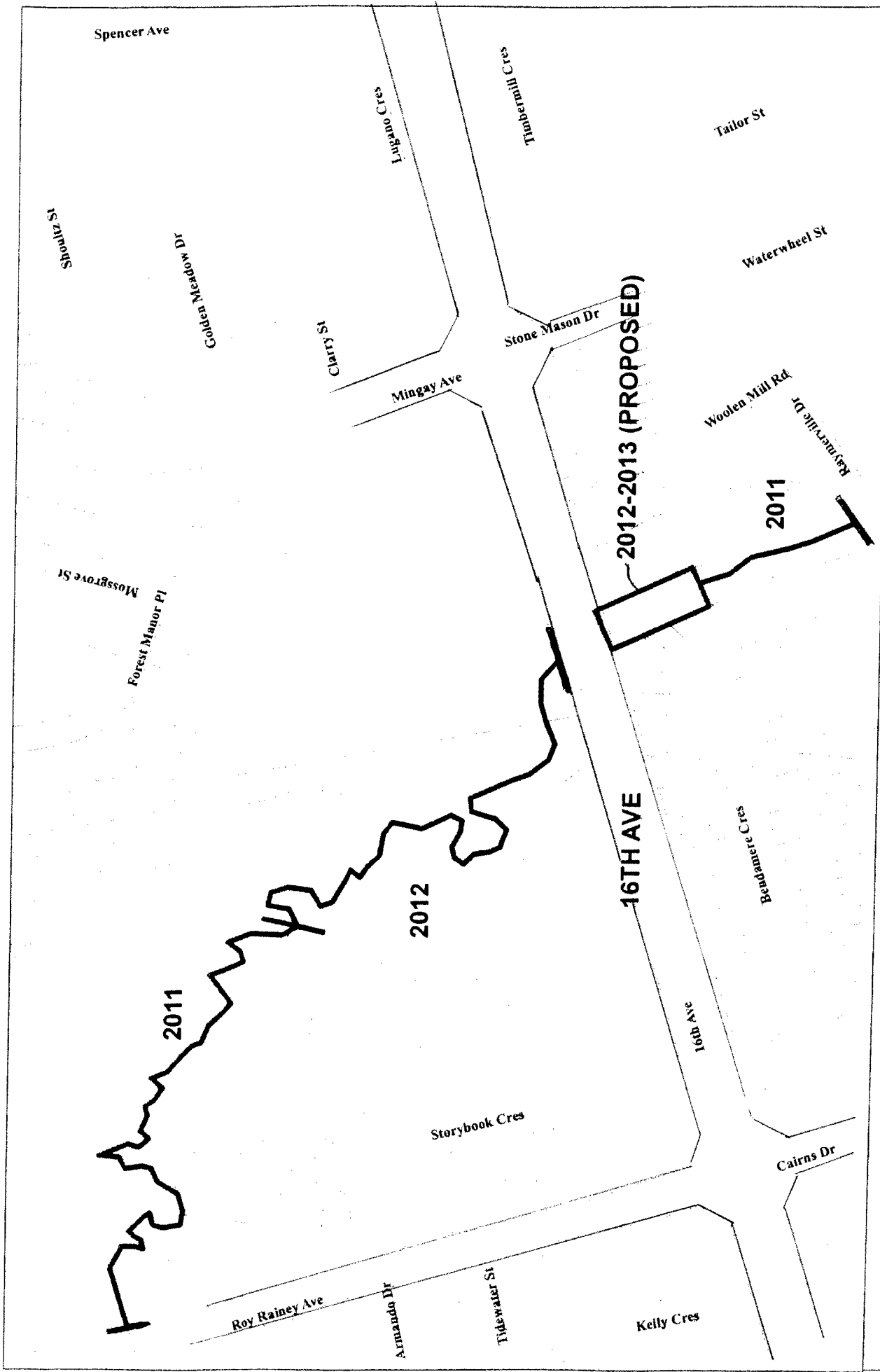
What happens after the Project is completed?

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 City (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.



**ROBINSON CREEK REHABILITATION PROGRAM
ONTARIO STREAMS 2011-2013**



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

APPENDIX 4

Applicant's Guide and Application Form

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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 Yes <input checked="" type="checkbox"/> No	

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

Project Contacts			
Name	Jessica Benvenuti	Name	Doug Forder
Title	Project Co-ordinator	Title	General Manager
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			
Location of Project			
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 2013	End Date	March 2014

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 City of Markham;
- ❖ The project promotes education, understanding and participation in environmental sustainability in the City of Markham; and;
- ❖ The project supports the City'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	\$44 175.40	Amount requested from the MESF	\$8500.00
Amount from other sources	\$35 675.40	In-Kind support hours	168

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 trees and shrubs	600	6.00	3600.00	3600.00	
Greenhouse shrubs	300	3.00	900.00	900.00	
Waders	2 pairs	80.00	160.00		160.00
Earth anchors	25	10.00	250.00		250.00
t-bars	90	6.00	540.00	500.00	40.00
Cable	2 rolls	99.00	198.00	198.00	
Crimps/nails		varies	50.00	50.00	
Cedar logs	53	15.00	795.00	795.00	
Cedar rails	25	10.00	250.00	250.00	
Burlap	1 roll	82.00	82.00		82.00
Staples	1 box	57.00	57.00	57.00	
Saw blades	3	6.00	18.00		18.00
Gloves	3 packs	12.00	36.00		36.00
Grass seed	2 bags	62.00	124.00		124.00
Gas/mileage			1800.00	1800.00	
Volunteer refreshments		varies	50.00	50.00	
Office supplies		varies	300.00	300.00	
Subtotal			9210.00	8500.00	710.00

Other Expenses

(e.g. Printing Brochures)	100	0.50	50.00	25.00	25.00
HR – Project Coordinator			14 470.40		14 470.40
HR – Habitat Technician			10 350.00		10 350.00
HR – General Manager			6080.00		6080.00
Office rental/internet			365.00		365.00
Cell phone			900.00		900.00
Vehicle insurance			1000.00		1000.00
Liability Insurance			1700.00		1700.00
Subtotal			34 965.40		34 965.40
Total			44 175.40	8500.00	35 675.40

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

Markham 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 Policy & Program Development, City of Markham, 101 Town Centre Boulevard, Markham, Ontario, L3R 9W3. Telephone 905-415-7502. Fax 905-479-7772. Photos may be posted on Markham'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 City 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 City bears no responsibility or has any liability in any manner with respect to this project.
2. that the City reserves the right to review communications and communication materials to be presented to the public to ensure compliance with City policies, including the City'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 City 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 City 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 City of any conflict of interest situation should it arise in carrying out of the project.
7. that the City is not a partner with the MESF recipient.
8. to permit the City of Markham to claim ownership of greenhouse gas emission reductions, which resulted from the project.

Signature

Title

Jessica Benvenuti - Project Coordinator

Printed Name

Date

Jessica Benvenuti March 4/13

In the event the Registered Owner of the lands is an entity other than the City 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

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

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.

Markham Environmental Sustainability Fund

Photo Consent and Release Form

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

I acknowledge and agree that the City may publish or use the image for any City purposes by any means whatsoever including, but not limited to electronic or digital means. I acknowledge that the City may not be able to control the distribution or use of the image by other than City 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 City 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 City against any third party claims, actions, damages, injuries or losses brought or assessed against or incurred by the City for the use of the image(s).

Contact Information					
Signature	<u>Jessica Benvenuti</u>	Date	<u>March 4/13</u>		
Address	<u>50 Bloomington Rd West</u>				
City	<u>Aurora</u>	Province	<u>ON</u>	Postal Code	<u>L4G 0L8</u>
Telephone	<u>905 713 7399</u>	Email	<u>jessica.benvenuti@cityofmarkham.ca</u>		
City of Markham:					
City Representative		Date			

Appendix 1

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

The planting component of this project consists of native trees and shrubs planted 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 200m throughout the entire stretch, within 1m of the water's edge, at a site located at Reesor Rd., to 16th Ave for a total of 840m. The Robinson Creek planting will mainly take place south of 16th Ave, and will consist of shrubs being planted to fill any open spaces. 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.

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 redbreasted dace habitat rehabilitation initiative which is to monitor, protect, and rehabilitate habitat for the provincially endangered redbreasted 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 Redbreasted 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 Reesor Rd 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 Redbreasted Dace habitat, which is why this section of Robinson Creek has been a stronghold for the endangered species in the past.

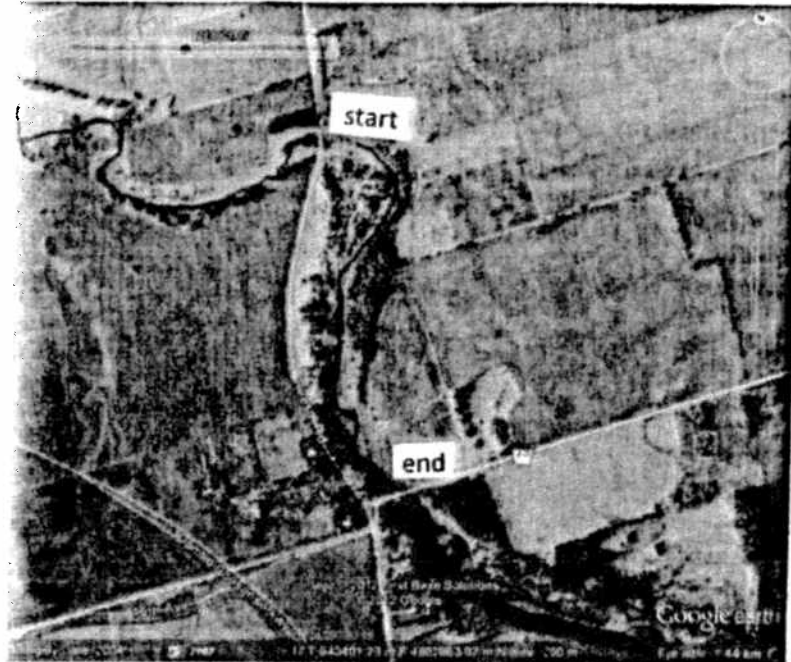


Figure 1: Little Rouge Creek site location is shown between red pins on map



Figure 3: ROB 8 area to have added shrubs

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	\$14, 675.80 (Little Rouge Creek only)	
York Region	Yes	\$6000.00	
Environment Canada - HSP	Yes	\$5000.00	
MNR Species at Risk	No	\$5000.00	
Evergreen - Walmart	No	\$5000.00	
Ontario Streams	Yes		\$600.00
T.E.A.M. Program	Yes		\$500.00
Total Matching Funds		\$35,675.80	\$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

2013

Planting plan for Little Rouge Creek




Picture 1

Picture 1. 
The area in yellow indicates a 40m slope that will be filled with willow plugs from our greenhouse. Each tray contains 32 willow plugs. About 7 or 8 trays will be planted here; another couple of trays will be planted near the erosion structures that will be built.



Picture 2

Picture 2. 
The areas in yellow in this picture make up approx 3600m². There will be 400 native trees and shrubs to be planted throughout these areas.

Species List

(Depending on availability at the time)

Trees

40 of each for a total of 200

Silver Maple

Eastern Cottonwood

White Oak

White Spruce

White Cedar

Shrubs

40 of each for a total of 200

Speckled Alder

Red Osier Dogwood

Chokecherry

Meadowsweet

Staghorn sumac

Grand total of plants = 400

Environmental Damages Fund	\$1,600.00
Toronto Zoo	\$3,000.00
Ontario Community Environment Fund	\$4,300.00
Habitat Stewardship Program	\$6,000.00
Community Fisheries and Wildlife Involvement Program	\$8,500.00
York Environmental Stewardship	\$12,000.00
Markham Environmental Sustainability Fund	\$24,000.00
Species at Risk	\$33,784.12
Rouge Park	\$43,063.80
York Region	\$76,366.84
Total	\$212,614.76

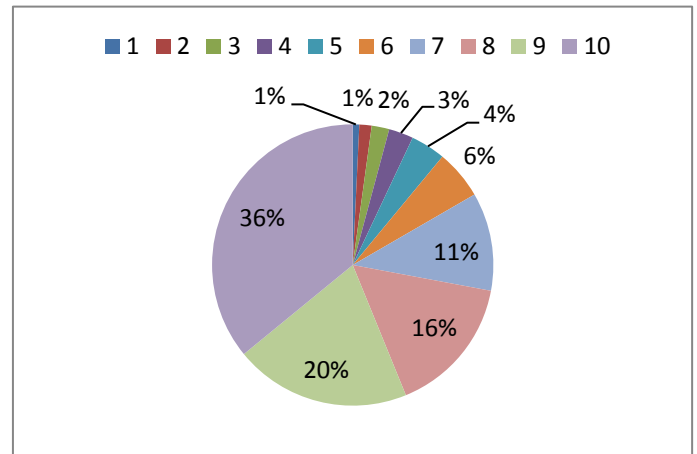


CHART SHOWING FUNDING CONTRIBUTIONS TO REHABILITATION WORK IN LITTLE ROUGE AND ROBINSON CREEK OF FUNDING PARTNERS 2009-2012

APPENDIX 5

Application Form

For Office Use Only - Project No.:

Group Information

Name	EcoWatch Canada Corporation		
Address	45 Reflection Road, Markham ON L6C 0A7		
Phone	(416) 271-3384	Fax	
Email	Carmen.ng@ecowatchcanada.org	Website Address	www.ecowatchcanada.org
Charitable/Non Profit Organization registration # (if applicable) NPO-BN# 85741 7869	Our Group has a bank account in the name of our organization Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		

Briefly describe what your group does:

We focus on promoting environmental awareness within the City of Markham through educational/demonstration projects and programs. Our goal is to assist and support our city to become the First Green Focused Community across Canada.

Projects Contacts

Name	Carmen Ng	Name	Singyu Chan
Title	Executive Director	Title	Director of Sponsorship (Youth Environmental Network of York Region)
Phone (work)	416-271-3384	Phone (work)	(416)-627-5688
Phone (home)		Phone (home)	
Email	carmen.ng@ecowatchcanada.org	Email	singyu.chan@yenyr.com

Project Summary

Title	Battery Recycling Program (Zero Waste)		
Location of Project	Markham		
Name of Registered Owner of the Lands	N/A		
Address of Registered Owner of the Lands	N/A		
Contact Name for Registered Owner of the Lands	N/A		
Phone # Registered Owner of the Lands	N/A	Duration (months, maximum 12 months)	12 Months
Request for	Spring Funding <input type="checkbox"/>	Fall Funding <input type="checkbox"/>	Either <input checked="" type="checkbox"/>
Start Date of Project	March 1, 2013	End Date	Feb 28, 2014

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 City of Markham;
- ❖ The project promotes education, understanding and participation in environmental sustainability in the City of Markham; and;
- ❖ The project supports the City's environmental policies and strategic plan.

The project supports the City's Zero Waste Initiative, take leads and responsibility to stop batteries going into the waste stream.

Over time, the battery decomposes and dangerous chemicals such as Mercury, Cadmium seep into the ground and potentially our water supplies; as a result causing a permanent environmental issue.

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 go to page 9

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	\$76,695.00	Amount requested from the MESF	³ \$9955.00
Amount from other sources	\$66,740.00	In-Kind support hours	2214

2294

BUDGET FORM – HUMAN RESOURCES (Volunteers)[illegible]

2294

• **Please refer to attachment (Spreadsheet)**

Markham Environmental Sustainability Fund Internal Guide and Application Form, August 13, 2012

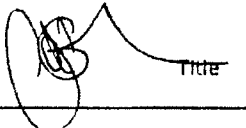
How did your organization hear about the MESF? (Please check one)			
Markham Website <u>X</u>	Newspaper advertisement <u> </u>	Word of mouth <u> </u>	Other <u> </u>
Upon completion of this Project please submit your project report, as well as original invoices, photos and records to Manager, Environmental Policy & Program Development, City of Markham, 101 Town Centre Boulevard, Markham, Ontario, L3R 9W3. Telephone 905-415-7502. Fax 905-479-7772. Photos may be posted on Markham'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 City 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 City bears no responsibility or has any liability in any manner with respect to this project.
2. that the City reserves the right to review communications and communication materials to be presented to the public to ensure compliance with City policies, including the City'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 City 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 City 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 City of any conflict of interest situation should it arise in carrying out of the project.
7. that the City is not a partner with the MESF recipient.
8. to permit the City of Markham to claim ownership of greenhouse gas emission reductions, which resulted from the project.

Signature  Title Executive Director

Printed Name Carmen Ng Date Feb 15, 2013

In the event the Registered Owner of the lands is an entity other than the City 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, Carmen Ng hereby permit and authorize the
(Print in full – first, middle initial & last name)
 City of Markham (the "City") to take my photograph/image.

I acknowledge and agree that the City may publish or use the image for any City purposes by any means whatsoever including, but not limited to electronic or digital means. I acknowledge that the City may not be able to control the distribution or use of the image by other than City 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 City 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 City against any third party claims, actions, damages, injuries or losses brought or assessed against or incurred by the City for the use of the image(s).

Contact Information

Signature		Date	
Address			
City		Province	
Postal Code			
Telephone		Email	
City of Markham:			
City Representative		Date	

Cont'd from page 3>

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**

Zero Waste - School Battery Recycling Campaign 2013 involving collection and recycling of household batteries including non-rechargeable, rechargeable and cell phone batteries. The program is aimed at educating children and parents on protecting the environment by collecting batteries for recycling. As a performance incentive to schools, the top school (based on average battery weight collected per child) will be awarded each year. The project will continue to run as a permanent program to the residents in City of Markham.

This project will be managed by a Project Management Professional (PMP®) and broken down into small projects leading by two project managers. The project will be maintained and monitored by the Oversight Committee.

Project Team:

Project Sponsor: City of Markham, EcoWatch Canada (EWC)
Oversight Committee: Tony hung (President, Cathay Lion's Club), James Altilia (EWC)
Project Director: Carmen Ng (EWC)
Project Managers: Tiffany Wan (EWC), Adrienne Wong (EWC)

Primary Objectives:

1. To get all schools in City of Markham to participate the Zero Waste - School Battery Recycling Campaign
2. Promote the Zero Waste Initiatives and other recycling programs available to the residents.
3. Educate our students and residents the benefits of recycling the batteries and resulted consequences for the batteries to enter to our landfill.
4. Promote environmental awareness to our local residents.

Project Descriptions:

1. Campaign websites will be created to promote the project with educational information, videos. Social media websites (Facebook and Twitter) will be created to improve the engagement level from the visitors and provide a platform for future announcement and interactive communication.
2. Educational Materials – EWC will develop educational material on topics including "What is inside our batteries", "The myth of batteries recycling process" and "How can batteries affect our health?".
3. Promotional Materials – We will design promotional material including brochures, posters and postcards to market the program and we will attend local event such as Markham's Children Festival to engage with the our residents.

Material, Supplies and Equipment	Cost			MHSF	EWC/Partner/ Sponsors
	Qty of units	Unit Cost \$	Total Cost \$		
Project Management	600	\$ 15.00	\$ 9,000.00	\$ -	\$ 9,000.00
Battery Recycling					
Battery Recycling	80	\$500	\$ 40,000.00	\$ -	\$ 40,000.00
Battery Shipping Cost	80	\$100	\$ 8,000.00	\$ -	\$ 8,000.00
Battery Recycle Box Holder	80	\$ 25.00	\$ 2,000.00	\$ -	\$ 2,000.00
Website & Social Media					
Full Function Website Design & Development (with Video Feed)	1	\$ 3,000.00	\$ 3,000.00	\$ 3,000.00	\$ -
Social Media Website Design & Development (Facebook, Twitter, YouTube)	1	\$ 1,000.00	\$ 1,000.00	\$ -	\$ 1,000.00
Website & Social Media platforms hosting	12	\$ 35.00	\$ 420.00	\$ -	\$ 420.00
Website & Social Media platforms maintenance (YouTube, Facebook and Twitter)	12	\$ 250.00	\$ 3,000.00	\$ -	\$ 3,000.00
Promotional Items (Recycled Paper)					
Brochures x 1000 (legal size paper)	1000	\$ 1.00	\$ 1,000.00	\$ -	\$ 1,000.00
Laminate information charts	200	\$ 5.00	\$ 1,000.00	\$ 1,000.00	\$ -
Posters	200	\$ 5.00	\$ 1,000.00	\$ 1,000.00	\$ -
Letterheads	500	\$ 0.20	\$ 100.00	\$ 100.00	\$ -
Envelopes	500	\$ 0.35	\$ 175.00	\$ 175.00	\$ -
Designing costs of all of the above	1	\$ 1,000.00	\$ 1,000.00	\$ -	\$ 1,000.00
Program Promotion Products					
Burton pins	400	\$ 3.30	\$ 1,320.00	\$ 1,320.00	\$ -
Recycling bags	100	\$ 13.20	\$ 1,320.00	\$ -	\$ 1,320.00
Fridge magnets	200	\$ 3.80	\$ 760.00	\$ 760.00	\$ -
Agendas	100	\$ 6.00	\$ 600.00	\$ 600.00	\$ -
Participation to Local Events					
Markham Home Show	1	\$ 800.00	\$ 800.00	\$ 800.00	\$ -
Show Demonstration Supplies	1	\$ 200.00	\$ 200.00	\$ 200.00	\$ -
Markham Children's festival	1	\$ 200.00	\$ 200.00	\$ 200.00	\$ -
Show Demonstration Supplies	1	\$ 200.00	\$ 200.00	\$ 200.00	\$ -
Educational Demonstration kits	3	\$ 200.00	\$ 600.00	\$ 600.00	\$ -
Total			\$ 76,695.00	\$ 9,955.00	\$ 66,740.00

9,355