Report to:

Environmental Issues Committee

Report Date:

March 5, 2012

Subject:

Markham Trees for Tomorrow Fund, Funding Applications, Spring

2012

Prepared by:

Nory Takata, Parks Planner - Operations Dept, Community and Fire

Services Commission Ext. 3226

Recommending:

1. That the funding application by 10,000 Trees for the Rouge, for \$23,000 to conduct their 23rd Annual Community Tree Planting Event on Earth Day to complete the restoration planting project to complete the planting of their 2011 planting site in Bob Hunter Park be approved.

- 2. That the funding application by Friends of the Rouge Watershed, for \$30,000, to conduct multiple planting events in the spring planting season in Bob Hunter Park and one buffer site adjacent to the west bank of the Little Rouge River, north of 14th Ave. be approved.
- 3. That the funding application by Evergreen, for \$29,400 to continue partnership with the Town with their successful Common Grounds Program to conduct a series of Community Planting Events and 8 to 10 Stewardship Events to promote, educate and engage the community in tree planting events and stress the importance of follow up maintenance work that is performed at volunteer stewardship events, be approved.
- 4. That the funding application by LEAF (Local Enhancement and Appreciation of Forests), for \$30,000 to continue to offer their subsidized Backyard Tree Planting Program to Markham residents and to continue to provide educational workshops such as the Tree Tenders Course, along with other educational / stewardship opportunities, be approved
- 5. That the above requests be funded from the Capital Project 12252 Markham Trees for Tomorrow (700-101-5399-12252) in the amount of \$112,400.
- 6. That Staff be authorized and directed to do all things necessary to give effect to this resolution.

Discussion:

The 2012 spring planting season will mark the commencement of the year two for Markham's Trees for Tomorrow Program's second phase. The primary driver behind the program's unparalleled success was, and continues to be the end result of effective partnership. Due to the sheer quantity, heterogeneity of the organizational structure and nature of contribution of our diverse partners, the program provides concrete proof of the powerful role that community engagement in its manifest forms can lever this program towards successful outcomes.

From this perspective, the four applicants for spring funding amply demonstrate their ongoing commitment, shared vision and value as partners through their many contributions towards the success of Markham's Trees for Tomorrow Program since its inception. Collectively, they have

played integral roles helping to achieve and continue to build upon the program's early success through:

- Engaging thousands of community volunteers in multiple tree planting events
- Increasing biodiversity of parks and natural areas by planting appropriate native species
- Promoting, organizing and conducting volunteer stewardship events to enhance establishment and optimize long term survival of recently planted trees
- Performing outreach and providing public education to enhance awareness and appreciation of the importance of the benefits provided by a healthy Urban Forest

The Town realizes many additional benefits as a direct result of this type of partnership such as the value added leveraging when Town resources are combined with funding contributions from other sources and the positive optics conferred this program via the well established and well deserved reputation that these partners have earned through the commitment, dedication and impressive achievements through their concerted efforts over the years.

As a result, Operations staff are pleased to bring forward the following applications:

10,000 Trees for the Rouge Restoration Planting

This application from 10,000 Trees for the Rouge Valley requests \$23,000 in funding to conduct their 23nd Annual Community Tree Planting Event which will:

- Increase native tree (4,785), shrub (950) and herbaceous (1,000) species cover over an area of 2.5 Hectares (6.2 Acres)
- Increase habitat, native biodiversity; connect forest fragments; improve water quality and reduce peak flow volume and intensity
- Displace alien species / non-native vegetation
- Engage approximately 2,000 community volunteers and include educational component to enrich the volunteer experience

The application, which includes a site map with planting plan, species list and detailed budget, is attached for review. The total project cost is \$143,546.00 with \$120,546.00 of project funds derived from other sources.

Benefits from this partnership include the Town being acknowledged as a supporter of 10,000 Trees on signage at the site entrance, as well as on the 10,000 Trees website. There will also be further enhancement and building of the Town's collaborative relationship with 10,000 Trees for the Rouge Valley, the Toronto and Region Conservation Authority and Rouge Park.

Recommendation: The funding application by 10,000 Trees for the Rouge, for \$23,000 to conduct their 23rd Annual Community Tree Planting Event on Earth Day to complete the restoration planting project to complete the planting of their 2011 planting site in Bob Hunter Park be approved.

Friends of the Rouge Watershed 2012 Restoration Plantings

This application from the Friends of the Rouge Watershed requests \$30,000 in funding to conduct a series of spring and fall plantings which will:

- Reintroduce 33,680 native tree and shrub species to regenerate 16.8 Hectares of native forest in Bob Hunter Park (9.3 Ha) and an additional site north of 14th Ave. (8.5 Ha) in the buffer zone on the west side of the Little Rouge River
- Involve 1,000 + students with hands-on outdoor educational experience, along with an additional 500 + volunteers from the community and private sector
- Increase biodiversity in four distinct habitat types: forest; wetland; meadow; riparian
- Reduce fragmentation and edge effects; increase Significant Woodlands inventory

This application, which includes detailed site maps and planting plans with species list as well as a detailed budget, is attached for review. The total project cost is \$290,800 with \$260,800 of project funding derived from other sources.

Recommendation: That the funding application by Friends of the Rouge Watershed, for \$30,000, to conduct multiple planting events in the spring planting season in Bob Hunter Park and one buffer site adjacent to the west bank of the Little Rouge River, north of 14th Ave. be approved.

Evergreen 2012 Spreading Roots: Community Stewardship and Restoration Initiative This application from Evergreen requests \$29,400 in funding to continue with and build upon the success of Evergreen's Spreading Roots Program, now entering its fifth year in Markham to:

- Conduct Community Planting Events in the Spring and Fall to plant 480 + Native trees and shrubs, along with over 1,100 Native wildflowers
- Enhance biodiversity of native tree, shrub and herbaceous perennials that will help to displace non-native invasive species; increase food supply for pollinator species
- Improve the health and establishment of recently planted restoration sites to optimize the
 establishment and long term survival of these newly planted trees by conducting 8 or
 more stewardship events after the spring planting season
- Engage, educate and promote stewardship with hundreds of community volunteers
- Work with Town staff to plan and conduct fall planting activities

This application, which includes site maps, planting plans, detailed budget and recognition for the Town, is attached for review. The total project cost is \$48,970 with \$19,570 of project finding derived from other sources.

Recommendation: That the funding application by Evergreen, for \$29,400 to continue partnership with the Town with their successful Common Grounds Program to conduct a series of Community Planting Events and 8 to 10 Stewardship Events to promote, educate and engage the community in tree planting events and stress the importance of follow up maintenance work that is performed at volunteer stewardship events, be approved.

LEAF (Local Enhancement and Appreciation of Forests) Backyard Tree Planting Program and Urban Forest Education

This application from LEAF requests \$30,000 in funding to continue to offer and build upon the success of LEAF's subsidized Backyard Tree Planting Program (now entering its fourth year)

and educational workshops, such as their highly regarded Tree Tenders Workshop, to all Markham residents. Deliverables include:

- A projected 165 household consultations which includes a site inspection, species recommendation by one of LEAF's ISA Certified Arborists, to meet this program's mission of 'planting the right tree in the right place' to help reduce future tree removal applications by inappropriate species selection, planting location and lack homeowner education, which LEAF staff help to avoid by providing expert advice on planting location, species selection and long term after care of their trees
- Plant 280 native trees, 230 native shrubs and deliver 5 native plant kits which will
 improve the distribution of native trees, shrubs and herbaceous perennials in Markham's
 residential neighbourhoods, where in many cases non-native and potential invasive
 species were planted in the past
- The educational component of this tree planting program along with the public outreach, educational workshops such as the highly regarded Tree Tenders Workshop and Markham Tree Tours being offered, will greatly enhance public appreciation for and the need to protect and enhance the health of Markham's Urban Forest

This application, which includes a detailed program description, budget and program management team description, is attached for review. The total project cost is \$97,000 with \$67,000 of project funding derived from other sources.

Recommendation: That the funding application by LEAF (Local Enhancement and Appreciation of Forests), for \$30,000 to continue to offer their subsidized Backyard Tree Planting Program to Markham residents and to continue to provide educational workshops such as the Tree Tenders Course, along with other educational / stewardship opportunities, be approved

Financial Considerations:

LEAF* Total Funding Application	\$30,000	\$112,400
Evergreen	\$29,400	
Friends of the Rouge Watershed	\$30,000	
10,000 Trees for the Rouge	\$23,000	
Spring Funding Applications		
Current Budget Available		\$120,000
Original Budget (Project 12252 Markham Trees for Tomorrow)		\$120,000

^{*}Local Enhancement and Appreciation of Forests

^{**} Budget remaining will cover Fall tree planting initiatives

Application Form

For Office Use Only - Project No.:

Group Info	ormation		
Name	10,000 Trees for the Rouge		
Address	13 Dolan Dr., Palgrave, On L7E 0E1		
Phone	905 880 9116	Fax	
Email	publicoutreach@10000trees.com	Website Address	www.10000trees.com
(if applicat	Non Profit Organization registration # ble) reg. # 12981 4729 RR001	Our Group has a borganization Yes YES	ank account in the name of our No

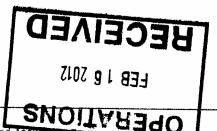
Briefly describe what your group does: 10,000 Trees for the Rouge has been planting trees and other native plants in the Rouge Valley watershed for 22 years. The group consists of people who volunteer their time and efforts to restoring natural habitats to a high level of ecological form and function. The main planting event is held in late April and attracts the public participation of over 1700 community members as well as media and political attention. Smaller plantings are held in the Fall. Monitoring and maintenance continue throughout the growing season. Our group has been responsible for the planting of over 160,000 native trees and shrubs on over 160 acres within the Rouge Valley.

Projects Contact					
Name	Colin Creasey	Name	Karen Cornell		
Title	Chairperson	Title	Site Preparation co-ordinator		
Phone (work)	905 450 4634	Phone (work)	n/a		
Phone (home)	905 880 9116	Phone (home)	905 294 5454		
Email	ccreasey@pre-con.com	Email	k.comell@rogers.com		
Project Summary		- Communication of the Communi			
Title 23 rd Annual Wildlife Habitat Restoration (BH			Wildlife Habitat Restoration (BH Park)		
Location of Pr	oject		Town of Markham, Concession 9 lots 4&5		
Name of Regis	stered Owner of the Lands	TRCA			
Address of Registered Owner of the Lands		5 Shoreham	5 Shoreham Dr., Downsview On. M3N 1S4		
Contact Name	for Registered Owner of the Lands	Head Office			
	stered Owner of the Lands	416 661 Duration (months, 6600 maximum 12 months) 8 months			
Request for	Spring Funding <u>yes</u>	Fall Funding	<u>yes</u> Either		
Start Date of I	Project Mar. 1, 2012	End Date	Oct. 31, 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 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.

see 2 a



Our project meets all four objectives.

To the immediate Markham community growing in the Boxgrove area, this project will provide welcome relief from the built and paved environment, and it will allow access to an increasingly natural environment as the plantings mature. Cleaner air and cleaner water, as well as encouragement of a diversity of wildlife are other benefits. To the more widespread community, this portion of Bob Hunter Park will become a destination for hiking, birdwatching, and educational tours.

Showcasing of our project by the Town can be done through photos taken on planting day posted on their website. The local paper, and sometimes larger Toronto daily papers often run articles and pictures about our event. Our own website also carries pictures and information, and acknowledges the support of Markham Trees for Tomorrow.

Much of our focus is on education and every effort is made to ensure that our planting managers are guiding the public in sound and sustainable environmental practices. Participation of the Markham citizens has been truly amazing in the past, and we hope to continue to build awareness, respect, and knowledge through this year's project.

This project supports the Trees for Tomorrow initiative in a concrete, visible way and helps fulfill Markham's strategic plan for the future.

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, plant list and planting plan)

Who will maintain and monitor the project after completion? (please provide contact information) 3d

What are the measurable benefits of this Project?

How will you promote the MTTF fund with this project? 3
Describe other funding sources/in kind support 3€

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

 \diamond Will there be an educational sign component. If so, please describe 3λ

The purpose of this project is to protect the Rouge watershed and restore biodiversity. Because our site is in the highly visible area intended to be the main public entrance to Bob Hunter Park, it provides a unique opportunity to showcase not only our own commitment to best restoration practices, but also Markham's commitment to these ideals.

Our project team is composed of dedicated volunteers who represent a wide range of occupations Most have over 10, and some over 20 years experience in implementing these kinds of projects. Among the main committee members are teachers, scout leaders, landscape workers, business people, an engineer, a web designer, an arborist, And a Registered Professional Forester.

Public Relations Committee: Politicians at all levels, and sponsers are invited to attend the event and take part in the ceremonial tree planting. All the local media, print, radio, and television are contacted approximately one month prior to the event, and again the week of the event. (We often get the Toronto Sun, Toronto Star, Global News, City T.V., and ethnic media reporting.)We often give interviews to the local media where there is the opportunity to recognize the support of the Town of Markham and of the Rouge Park.

Volunteer Committee: A fiyer for the event is designed and is posted on-line and mailed out to planting volunteers on our mailing list. We are in the process of establishing a web base of our volunteers so that we can go paperless in the future. The fiyer is also sent to church groups, scouting groups, and schools, and is posted in local community centers and libraries.

Fundraising Committee: Searches to find new funding sponsors, both monetary and in-kind, prepares fundraising applications and final reports.

Landscape Committee: Works with forester on design of site. Once species are selected, then tenders with detailed tree specifications are sent to suppliers. This committee is responsible for the organizing of the stock on site and ensuring trees and shrubs are distributed to the correct planting location. Planting managers are trained in advance on proper tree planting techniques and on planting day they lead groups to specific areas and then both instruct the public, and oversee the plantings.

Site Preparation Committee: Ensures that equipment and services are on site. Equipment(shovels, buckets, signs, tents, water pumps, hoses, tree guards, tables, etc.) are purchased if necessary and kept in working order. Safety services are looked after. St. John Ambulance is contacted and is on site. Police to direct traffic are hired. Portable washrooms are arranged. Food and drink are arranged. At day's end this committee is responsible for clean up.

Workplan, Plant List, and Planting Plan: see following pages 3a, 3b, 3c

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Activity Dates	Work Plan
Project Start April 7th?	 Install Snags Begin installation of protective temporary fencing against deer browsing
April 21	Receive trees, distribute, and heel in place
Planting Days April 22 nd – May 18	 Host about 2000 volunteer planters Supervise and coordinate volunteers to get trees and shrubs planted Install tree guards to reduce damage from meadow voles
	 Instruct planting managers on site layout and planting methods Receive students and some corporate volunteers in small numbers, 30 - 100 people, during weekdays to do mulching, install more tree guards and plant wildflowers
May -August	Photograph progress of reforestation
	• Monitor trees & shrubs to verify initial viability, that buds flushed and leaves emerged (i.e. trees are alive)
	Monitor for insect herbivory (caterpillars etc.)
	Monitor site for wildlife use
	Conduct regeneration survey on 2011 Bob Hunter Park Site
September – October	 Replant areas where trees died or areas that could not be planted in the spring
	•
	•

10,000 REES

Common Name	Botanical Name	Qty	Stock Type	Price Per
Eastern White Pine	Pinus strobus	150	BR	11100101
Eastern White Cedar	Thuja occidentalis	750	Open Ball/B&B	
Deciduous	-			
Sugar Maple	Acer saccharum	280	100-125cm BR	
Black Cherry	Prunus serotina	240	100-125cm BR	
Basswood	Tilia americana	60	100-125cm BR	
Bitternut Hickory	Carya cordiformis	95	100-125cm BR	
Red Maple	Acer rubrum	100	100-125cm BR	
Eastern Hemlock	Tsuga canadensis	30	100-125cm BR	
Bur Oak	Quercus macrocarpa	80	100-125cm BR	
Red Oak	Quercus rubra	20	100-125cm BR	
White Birch	Betula papyrifera	105	100-125cm BR	
Hackberry	Celtis occidentalis	40	100-125cm BR	
Butternut	Jugans cinerea	40	100-125cm BR	
Large tooth Aspen	Populus grandidentata	1000	100-125cm BR	
Trembling Aspen	Populus tremuloides	1200	100-125cm BR	
White Ash	Fraxinus americana	300	100-125cm BR	
White Elm	Ulmus americana	300	100-125cm BR	
Shrubs				
Red Osier Dogwood	Cornus sericea	200	60-80cm BR	
Choke Cherry	Prunus virginiana	150	60-80cm BR	
Elderberry	Sambucus canadensis	150	60-80cm BR	
Downy Serviceberry	Amelanchier arborea	75	60-80cm BR	
Grey Dogwood	Cornus racemosa	100	60-80cm BR	
Cockspur Hawthorn	Crataegus crus-galli	50	60-80cm BR	
Pussy Willow	Salix discolor	175	100 cm BR	
Specimen Tree	Only one enecimen tree will	l bo and	. al	
Hemlock	Only one specimen tree wil	i be ordere		
Red Oak		1	40mm/200cm tall	
Red Maple		1	40mm/200cm tall	
iven mahie		1	40mm/200cm tall	

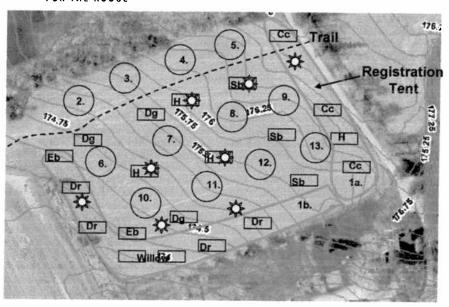
Please read Terms of Sale

Delivery Saturday April 21 Bob Hunter park - Town of Markham

Delivery fees should be included regardless of order size. Mimimums should be noted.

Bob Hunter Park 2012 Restoration Plan

FOR THE ROUGE



Conifer Buffer (wind & shade) 1,200 trees

1a. White Pine 150

1b. Cedar 750 & White Elm 300

Snags & Hardwood Groves (35 -20 -20) 885 trees

- 2. White Birch 50 Red Maple 10 Hemlock 5
- 3. Hickory Black Cherry Red Maple Hemlock 5
- 4. Sugar Maple Bur Oak Buttemut
- 5. Sugar Maple Red Oak Black Cherry Hemlock 5
- 6. White Birch 50 Hackberry 10
- 7. Sugar Maple Basswood Bur Oak Hemlock 5
- 8. Sugar Maple Bittemut Hickory Red Maple
- 9. Sugar Maple Basswood Bitternut Hickory
- 10. White Birch 50 Red Maple 10 Hemlock 5
- 11. Sugar Maple Butternut Bur Oak
- 12. Sugar Maple Hackberry Basswood
- 13. Sugar Maple Hickory Bur Oak Hemlock 5

Scattered Trees 2,700

- 14. Largetooth Aspen 1,000
- 15. Trembling Aspen 1,200
- 16. White Ash 300
- 17. Black Cherry 200

Shrubs Plots 950

- 18. Red Osier Dogwood 200
- 19. Chokecherry 150
- 20. Elderberry 150
- 21. Serviceberry 150
- 22. Grey Dogwood 100
- 23. Cockspur Hawthom 50
- 23. Bebb's Willow 150

☆ Herbaceous Flora 1,000 plants

26. Blue Vervain

24. Purple Boneset 25. Gray Coneflower

28. Ostrich Fem 100 29. Sensitive Fern 100

27. Butterfly Milkweed



West Site 2.5 Ha 6,035 Trees & Shrubs + 1,000 Herbs Lot 4, Con 9, Markham Contour Map Provided by TRCA Dec. 12, 2011 Scale: 1 cm = 16 m March 1st - Oct 31st 2012 Drawing: Marshall Buchanan, Registered Professional Fore

Monitoring and Maintenance:

This will be carried out as outlined in the workplan, under the direction of Marshall Buchanan, Registered Professional Forester, with the help of volunteers from the project team of 10,000 Trees for the Rouge.

Measurable benefits:

- -Increase native species cover over 2.5 ha close to an urban area where the mitigation of the biodiversity crisis is most needed
- restoration of habitat for many species and connection of forest fragments
- increasing biodiversity as the project matures
- -protection of the Rouge watershed leading to cleaner water as well as the reduction of peak flow volume and intensity.
- reduction of agricultural run-off
- displacement of alien species/ non-native vegetation
- -an increase in public green space for Markham residents and the wider ${\tt Ontario}$ community,
- education of the approx. 2000 adults, teens, and children who typically attend our large planting or one of our smaller ones
- hands-on participation of the corporate community and school groups through our small plantings

Promotion of MTTF:

Our flyer is mailed out to approx. 1100 people and carries the MTTF logo. This flyer is also displayed in libraries and community centres. More are sent to Guide and Scout troops, and to schools from whom we have received great support. Corporate plantings are growing as a means of team building. Media interviews are given which can result in coverage The flyer is posted on our website: www.10000trees.com
We have a large site sign which acknowledges the support of MTTF.

Other Funding/In-Kind support - see sheet titled "Source Contribution." 3e

Maintaining Benefits after Completion: We continue to monitor the success of each project for a year after its completion.

Educational Sign Component: Posters are used on site to instruct in proper tree planting. This reinforces the hands-on instruction provided by our trained planting managers. As well, each area indicates on a sign, the plant species being planted there.

Group Name	Description	Cash	Value of In-Kind	Letter Included		
e.g., ABC Nursery	Cash donation	\$250		Yes		
e.g., ABC Community Newspaper	Printing services		\$300	No		
Town of Markham	Plant materials, Mulch, Maintenance, Irrigation supplies, Toilets, Picnic tables and refuse pick-up	23,000	4,780 0	No		
TD Friends of the Environment	Plant material, Peat moss, Toilets, Tree guards	X 3/1/1		No		
Rouge Park	Maintenance, Lumber	22,500	0	No		
Rohm & Haas	Insurance, Website, Police & Ambulance services	2,000	0	No		
10,000 Trees Volunteers (Cash donation bought forward from 2011 surplus)	Administration, Fundraising, Food service, Database management, Tree delivery & heeling in, & Tree planting	2,311	60,255	No		
SYMBIOTIC	Ecological planning; tractor and soil prep	0	5,000	No		
Agincourt Rotary	Agincourt Rotary Food & beverage service, Barbecues		ASHROHH KORIV)	0	1,420	No
John Johnson Landscaping	3 ATV's & trailers	. 0	1,000	No		
Foronto Region Conservation Auth. Planning, Coarse woody debris, cover crop.		6,500	No			
6 th Pickering Amberlea Venturers			1,580	No		
Auto Recycler,	Truck rental, Photocopying,	200	0	No		
CFWIP	Plant material	500	0	No		
Earth Day /Sobey's	Plant material, Snags	4,000	0	No		
	Total	\$63,011	\$80,535			

BUDGET FORM - HUMAN RESOURCES (Volunteers)

(e.g. Volunteer planters)	10 00 min	Estimated Time for Each hour) 10 2.5 2 37.5 20 5 36 16 10 40 4 40 200	In- Kind Value (in hours worked) 100 4250 hrs. 50 187.5 200 10 36 16 80 240 16 200 200
Volunteers to plant trees Training planting managers Sub-committee meetings (15 mtgs) Executive mtgs. (8) Sign in/flyer/newsletter Accounting 3hrs/mo x 12 mo Typing 8mtgs x 2 hrs Food/ beverages Preparation of site Road and tree signs undraising Forestry consulting 1 170 25 10 10 11 12 14 15 16 17 17 17 17 18 18 18 18 18 18	00 min 3	2.5 2 37.5 20 5 36 16 10 40 4	4250 hrs. 50 187.5 200 10 36 16 80 240 16 200
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Total 1768			

BUDGET FORM See budget spreadsheets

Materials, Supplies and Equipme	m#	Cost				
	# of units	Unit Cost \$	Total Cost \$	MTFT	Othe	

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Other Expenses						
e.g. Printing Brochures)	100	0.50	50.00	25.00	25.00	
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	Total				······································	
low did you organization hear	shout the MTTES	/Diago chock o	\\			
			——————————————————————————————————————			
Town Website Newspaper	advertisement	Word of mou	tn	Other	V	
Ipon completion of this Project please arks Planner, Operations, Town of Ma 05-477-700 ext.3226 Fax 905-940-15	arkham, 101 Town Cer	ntre Boulevard.	Markham, Onta	es, photos and i	ecords to	

Applicant's Signature Karen J. Cornell

10,000 Trees for the Rouge Valley SPRING PLANTING BUDGET - 2012

SERVICES \$ \$ \$		Explanation	Project Payments	In Kind Donations	Value of Project
(3 Exec migs. @ 2.5 hrs. @ \$10.25 x 10 people) (15 Subcom.migs. @ 2.5 hrs. @ \$10.25 x 5 people) (15 Subcom.migs. @ 2.5 hrs. @ \$10.25) sets (1,700 volunteers @ 2.5 hrs. @ \$10.25) (1,700 volunteers @ 2.5 hrs. @ \$10.25) (3 Exec.migs. @ 2 hrs. @ \$10.25) (4 Exec.migs. @ 2 hrs. @ \$10.25) (5 people x 40 hrs. x \$10.25 - Agincourt Rotary) (6 people x 40 hrs. x \$20) (7 people x 40 hrs. x \$20) (8 people x 40 hrs. x \$20) (9 people x 40 hrs. x \$20) (1 people x 40 hrs. x \$20) (1 people x 40 hrs. x \$20) (2 days @ \$500) (3 days @ \$500) (4 people x 40 hrs. x \$20) (5 people x 40 hrs. x \$20) (6 people x 40 hrs. x \$20) (7 people x 40 hrs. x \$20) (8 people x 40 hrs. x \$20) (9 people x 40 hrs. x \$20) (9 people x 40 hrs. x \$20) (1 people x 40 hrs. x \$20) (2 people x 40 hrs. x \$20) (3 people x 40 hrs. x \$20) (4 people x 40 hrs. x \$20) (5 people x 40 hrs. x \$20) (6 people x 40 hrs. x \$20) (7 people x 40 hrs. x \$20) (8 people x 40 hrs. x \$20) (9 people x 40 hrs. x \$20) (1 people x 40 hrs. x \$20) (1 people x 40 hrs. x \$20) (2 people x 40 hrs. x \$20) (3 people x 40 hrs. x \$20) (4 people x 40 hrs. x \$20) (5 people x 40 hrs. x \$20) (6 people x 40 hrs. x \$20) (7 people x 40 hrs. x \$20) (8 people x 40 hrs. x \$20) (9 people x 40 hrs. x \$20) (1 people x 40 hrs. x \$20) (1 people x 40 hrs. x \$20) (2 people x 40 hrs. x \$20) (3 people x 40 hrs. x \$20) (4 people x 40 hrs. x \$20) (5 people x 40 hrs. x \$20) (6 people x 40 hrs. x \$20) (7 people x 40 hrs. x \$20) (8 people x 40 hrs. x \$20) (9 people x 40 hrs. x \$20) (1 people x 40 hrs. x \$20) (1 people x 40 hrs. x \$20) (2 people x 40 hrs. x \$20) (3 people x 40 hrs. x \$20) (4 people x 40 hrs. x \$20) (5 people x 40 hrs. x \$20) (6 people x 40 hrs. x \$20) (7 people x 40 hrs. x \$20) (8 people x 40 hrs. x \$20) (9 people x 40 hrs. x \$20) (1 people x 40 hrs. x \$20) (1 people x 40 hrs. x \$20) (2 people x 40 hrs. x \$20) (3 people x 40 hrs. x \$20) (4 people x 40 hrs. x \$20) (5 people x 40 hrs. x \$20) (6 people x 40 hrs. x \$20) (7 people x 40 hrs. x \$	SACES		ss.	•	æ
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agers (25 volunteers @ 2 hrs @ \$10.25) ster (1,700 volunteers @ 2.5 hrs @ \$10.25) ster (12 months @ 3hrs/month @\$15.00) (3 Exec.mtgs @ 2hrs @ \$10.25 - Agincourt Rotary) (4 people x 10 hrs. x\$10.25 - Agincourt Rotary) (5 people x 40 hrs. x\$20) (6 people x 40 hrs. x\$20) (7 people x 40 hrs. x\$20) (8 people x 40 hrs. x\$20) (9 people x 40 hrs. x\$20) (1,000 1,000	Sub-committee Meetings	(15 Subcom.mtgs.@ 2.5hrs.@ \$10.25 x 5 people)		1.922	1 922
ster (1,700 volunteers @ 2.5 hrs. @ \$10.25)	Training planting managers	(25 volunteers @ 2 hrs. @ \$10.25)		513	513
### (12 months @ 3hrs/month @\$15.00) (8 Exec.migs. @ 2hrs. @ \$10.25) (900 (8 Exec.migs. @ 2hrs. @ \$10.25) (900	Volunteers to plant trees	(1.700 volunteers @ 2.5 hrs. @ \$10.25)		13 563	73 563
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(picnic tables, recycling containers, pylons, vests) 2,850 2,280 (5 people x 40 hrs. x \$20) 2,000 2,000 5,000 1,000 6,000 450 6,000 330 6,000 450 6,000 450 6,000 450 6,000 450 7 John Johnson Landscaping) 900 600 600 Agincourt Rotary 600 2 pumps with hoses for 2 days - Markham 100 1,000 1500 1,000	Road & Iree Signs	(4 people x 4 hrs. @ \$10.25)		164	164
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c) people x 40 hrs. x \$20) ority ority (2 days @ \$500) ep. (2 days @ \$500) Agincourt Rotary 1000 1,000 1,000 1,000 1,000					
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ep. (2 days @ \$500) 1,200 450 300 500 500 500 500 500 600 4000 2 pumps with hoses for 2 days - Markham 100 1,000 150 1500	nto Region Cons. Authority			1,000	1,000
1,200 450 300 (2 days @ \$500)		•		8,000	9000
tent Talkies Talkies (2 days @ \$500) / Washstands Agincourt Rotary on supplies 2 pumps with hoses for 2 days - Markham 1,000 1,200 450 300 300 1,000 1,000 1,000 1,000 1,000 1,000	IPMENT/MATERIALS	•		000	
tent tent	Rental				
tent Talkies Talkies Talkies (2 days @ \$500) (John Johnson Landscaping) (Johnson Landscaping) (John Johnson Landscaping) (John Johnson Landscaping) (John Johnson Landscaping) (Johnson Landscaping	Storage space			1 200	1 200
ASD	Sign-in tent			004	004,
Sociatives	Melicia Tallian			420	450
(2 days @ \$500) 500 500 (John Johnson Landscaping) 1,000 / Washstands 600 600 ues Agincourt Rotary 600 600 on supplies 2 pumps with hoses for 2 days - Markham 100 1,000 itor 1,000 1500	vvalkie Talkies			300	300
/ Washstands 1,000 / Washstands 900 ues Agincourt Rotary 600 on supplies 2 pumps with hoses for 2 days - Markham 100 1,000 stor 1,000 150	I ractor rental + soil prep.	(2 days @ \$500)	200	200	1 000
/ Washstands 900 Agincourt Rotary 600 As supplies 2 pumps with hoses for 2 days - Markham 100 1,000 150	ATVs	(John Johnson Landscaping)		1 000	000,1
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tues Agincourt Rotary 600 2 pumps with hoses for 2 days - Markham 100 1,000 150 160	Truck		000		006
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or Supplies 2 pumps with hoses for 2 days - Markham 100 1,000 150 tor	Irrigotion cumplion	Agincourt Rotary		009	009
150	migation supplies	2 pumps with noses for 2 days - Markham	100	1,000	1,100
1,000	Certain			150	150
	puses		1,000		1,000

10,000 Trees for the Rouge Valley SPRING PLANTING BUDGET - 2012

Materials (290 stakes × \$2) Stakes (18 bales peat moss × \$11.50) Sin/cultural Tarps (2 @ \$140.00 each) Mulch (2 @ \$140.00 each) Coarse woody debris & Log Tangles TRCA Habitat structures (2 @ \$140.00 each) Shovels & Buckets (2 @ \$140.00 each) Rope (12 snags @ \$150) Tree quards/Brush mats (200 tree guards @ \$1.20) Rope (12 snags @ \$150) Plant Material (200 tree guards @ \$1.20) Trees (200 tree guards @ \$1.20) Shrubs (200 tree guards @ \$1.20) Plant Material (200 tree guards @ \$1.20) Trees (200 tree guards @ \$1.20) Shrubs (200 tree guards @ \$1.20) Incess (200 tree guards @ \$1.20) Shrubs (2 @ \$1.20) MAINTENANCE (1 person @ \$50.00 × 50 hrs.) Contractor (1 person @ \$50.00 × 50 hrs.) Deer Fence (2 @ \$10 Regeneration Report (2 @ \$10 ADVERTISING & PROMOTION (1 person @ \$50.00 × 50 hrs.) Photocopying <th>Explanation</th> <th>Payments</th> <th>Donations</th> <th>Project</th>	Explanation	Payments	Donations	Project
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g Tangles 1 ()		580		580
nent ment	\$11.50)	207		202
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g Tangles 1			1 500	1.500
			5,050	5.050
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ing ing		750	750	1.500
ing ing	1.20)	2.400	:	2,500
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ing ing		6,773	7,800	14.573
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ing ing			500	2005
ing ing			1,000	1,000
ing ing		38,688	1,950	40,638
og og ment				
ing ing	50 hrs.)	2,500		2.500
ng ing	10 hrs		1.080	1.080
ing ing		2.500		2 500
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s PROMOTION or fundraising inting ng loping/CD copying		5,900	1,080	6,980
or fundraising intiting volunteer mailing ng lepping/CD copying website management				
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rinting volunteer mailing ng Moping/CD copying vebsite management		1,300	300	1,600
volunteer mailing ing eloping/CD copying mebsite management		250	80	330
ing eloping/CD copying website management		650		650
eloping/CD copying website management		100	150	250
website management		200		200
website management			009	009
•		300	009	006
		2,800	1,830	4,630

TOTAL PROJECT COST

Markham Trees for Tomorrow Fund

Photo Consent and Release Form

I, Karen J. Cornell	hereby permit and authorize t	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	Fare	a Cornell	Date 4	eb 14.	20	12	
Address		Rctor Cou	rt				
Town	7 .	kham	Province	On.		Postal Code	L3PQW6
Telephone	905-	294-5454	+	Em	ail	K.corneli	Orogers.com
Town of Mark	ham:						
Town Repre	esentative		Date				

Applicant's Signature

I hereby make application for funding from the Markham Trees for Tomorrow 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.
- 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.
- to promote the Markham Trees for Tomorrow 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.
- 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 MTTF recipient.

Signature	Title Zull	Site Preparation (omnittee	
Printed Name KAREN Co	Date RNELL	Feb 14, 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 complles 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 Trees for Tomorrow Fund



BHMP Berm planting, November 2008

BHMP Berm, October 2011



BHMP planting with Minister Peter Kent, May 2011

Submitted to:

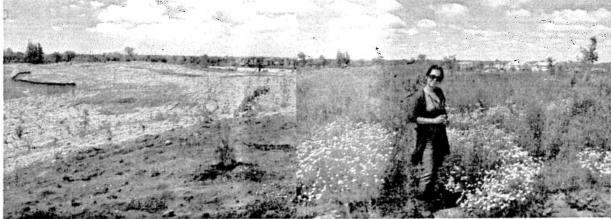
Markham Trees for Tomorrow Fund



by: Friends of the Rouge Watershed February 17, 2012







BHMP Berm, June 2009

BHMP Berm, June 2010





Pied-billed Grebe



Deputy Mayor Jack Heath and Mayor Frank Scarpitti visit FRW Rouge Park Restorations



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

OPERATIONS

FEB 17 2012 Markham Trees for Tomorrow Fund Applicant's Guide and Application Form

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What is the Markham Trees for Tomorrow Fund (MTTF)?

As part of the Markham Trees for Tomorrow Program, the Markham Trees for Tomorrow Funu (MTTF) provides financial resources for tree planting projects and outreach programs to engage the community in an effort to increase the tree cover and to improve the health of all trees that comprise Markham's 'urban forest'.

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.

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 General Committee and Council. The following requirements must be met prior to the application review by the Environmental Issues Committee:

Community groups must first contact the Parks Planner (905-477-7000 ext.3226) to select a site from a list of recommended sites and jointly develop a detailed project plan; additional sites may be considered at the discretion of the Town.

NGO's and other eligible public agencies must ensure that:

- . the project includes a detailed plan that:
 - describes the existing site conditions, any necessary site preparation prior to planting and how the site is to be safely accessed before, during and after the planting
 - o involves the active participation of community volunteers
 - provides a clear planting plan, including an outline of the rationale behind species selection, planting densities other design considerations arising from the existing conditions and the broader context of the planting site
 - makes a commitment to water and maintain the trees after the planting to help with the establishment and to maximize the survival rate of all newly planted stock

and demonstrate how:

- 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 ______ from the MTTF per project per year;
 larger amounts up to a maximum of _____ will be considered for applicants
 planning larger scale plantings (in excess of ___ ha) or multiple plantings with
 school or other community groups and which include an educational component
 (curriculum based for schools)
- 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 MTTF;
- the project must have measurable results;
- the project must have demonstrable, widespread and lasting environmental benefits for the Markham community;
- any groups that received funding for projects which have not been completed and

When are the application deadlines?

t on are not eligible for future funding; and

funding will not be granted where projects have been commenced.

Funding will be awarded twice a year in Spring and Fall. Applications must be submitted by February 17, 2012 ________ for Spring funding.

How Do I apply?

- Step 1 Speak with the Parks Planner about your proposed application;
- Step 2 Comptete the Application Form. Please ensure that it is legible and signed.
- Step 3 Prepare any supporting information, such as illustrations and maps and attach them to the application form. 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 compties with all its applicable policies and requirements; and, that the writer has the authority to give its consent. 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 Parks Ptanner, Operations, Town of Markham, 101 Town Centre Boutevard, Markham, Ontario, L3R 9W3.Telephone 905-477-7000 ext. 3226, Fax 905-940-1550.

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

OPERATIONS

FEB 1 7 2012

Application Form RECEIVED

For Office Use Only - Project No.:

	246
ON. M1X 1R2	
	416-396-3292
	www.frw.ca
	ank account in the name of our
Yes X	No
	organization

Briefly describe what your group does:

Friends of the Rouge Watershed (FRW) has a mandate to work with youth and community to protect, enhance and restore watershed and ecosystem health, beauty and integrity. To accomplish this, FRW forms productive conservation partnerships with schools, community groups, faith organizations, businesses, municipalities, provincial and federal agencies, community leaders, foundations and environmental groups.

FRW was established in 1991 as a volunteer organization. In 1997, we increased our operations from a few annual environmental events to more than 120 youth and community planting and environmental education days by hiring full time and seasonal staff. We are dedicated to improving watershed, ecosystem and community health, through science-based watershed stewardship and education.

Projects Contact	3		
Name	Jim Robb	Name	
Title	General Manager		Andrew Farnsworth
		Title	Restoration Projects Coordinator
	416-208-0252	Phone (work)	416-208-0252
Phone (home)	647-891-9550	Phone (home)	416-316-8167
Email	jimrobb@frw.ca		
Product Comment		Email	andrew@frw.ca
Project Summary			

Project Summary

Title	Restoration of Driggity Dougs Dad Gu			
Location of Project	Restoration of Priority Rouge Park Sites in Markham			
Name of Registered Owner of the Lands	Rouge Park and BHMP (see attached maps)			
Address of Registered Owner of the Lands	Toronto and Region Conservation Authority			
Contact Name for Registered Owner of the Lands	5 Shoreham Drive, Toronto, ON, M3N 1S4			
Sometime for Registered Owner of the Lands	Bob Clay (416-661-6600 x5783)			
Phone # Registered Owner of the Lands	Duration (months,			
Poguest for	maximum 12 months) 9 months			
Ci is pring tanding A	Fall Funding Either			
Start Date of Project April 2012	End Date December 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; through the involvement of 1540 volunteers in the planting of 39,680 native trees, shrubs and wildflowers on approved, publicly-owned Rouge (National) Park sites.
- The project can be showcased by the Town of Markham; through joint events involving Markham schools, youth and community groups, Markham staff, Councillors, MPs, MPPs, corporations and media.
- The project promotes education, understanding and participation in environmental sustainability in the Town of Markham; by involving 1540 youth and community volunteers in nature walks and ecological restoration activities which improve watershed awareness and health.
- The project supports the Town's environmental policies and strategic plan; by protecting and enhancing air quality, water quality and habitat; buffering climate change; and taking visible steps towards sustainability.

OPERATIONS

FEB 1 7 2012

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Application Form RECEIVED

For Office Use Only - Project No.:

Name	Friends of the Rouge Watershed				
Address	2259 Meadowvale Road, Scarborough,	ON MIY 1D2			
Phone	416-208-0252	Fax	416 206 2202		
Email	andrew@frw.ca	Website Addres	416-396-3292 s www.frw.ca		
Charitable/Non Profit Organization registration # (if applicable)			a bank account in the name of our		
88878 1028 RR0001		Yes X	No		

Briefly describe what your group does:

Friends of the Rouge Watershed (FRW) has a mandate to work with youth and community to protect, enhance and restore watershed and ecosystem health, beauty and integrity. To accomplish this, FRW forms productive conservation partnerships with schools, community groups, faith organizations, businesses, municipalities, provincial and federal agencies, community leaders, foundations and environmental groups.

FRW was established in 1991 as a volunteer organization. In 1997, we increased our operations from a few annual environmental events to more than 120 youth and community planting and environmental education days by hiring full based watershed stewardship and education.

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Jim Robb	Name	I Andrew F
General Manager		Andrew Famsworth
	· · · · · · · · · · · · · · · · · · ·	Restoration Projects Coordinator
		416-208-0252
	Phone (home)	416-316-8167
	Email	andrew@frw.ca
	ASSESSION A LONG	
	ACC 20 10 20 20 10 10 10 10 10 10 10 10 10 10 10 10 10	
Title Restoration of Priority Rouge Park Sites in		of Priority Rouge Park Sites in Markham
	Rouge Park and BHMP (see attached maps)	
tered Owner of the Lands	Toronto and	Region Conservation Authority
gistered Owner of the Lands	5 Shoreham	Drive, Toronto, ON, M3N 1S4
Contact Name for Registered Owner of the Lands		6-661-6600 x5783)
Phone # Registered Owner of the Land		Duration (months,
		maximum 12 months) 9 months
	Fall Funding	Either
roject April 2012	End Date	December 2012
	General Manager 416-208-0252 647-891-9550 jimrobb@frw.ca oject stered Owner of the Lands gistered Owner of the Lands	Jim Robb Name General Manager Title 416-208-0252 Phone (work) 647-891-9550 Phone (home) jimrobb@frw.ca Email Restoration of the Lands stered Owner of the Lands for Registered Owner of the Lands for Registered Owner of the Lands Spring Funding X Fall Funding

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

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- The project promotes education, understanding and participation in environmental sustainability in the Town of Markham; by involving 1540 youth and community volunteers in nature walks and ecological restoration activities which improve watershed awareness and health.
- The project supports the Town's environmental policies and strategic plan; by protecting and enhancing air quality, water quality and habitat; buffering climate change; and taking visible steps towards sustainability.

Purpose for the project

This project will involve 1540 student and community volunteers in the planting and maintenance of 33,680 trees, 6000 wildflowers and 190 kg of native seed to restore 17.8 ha of approved Rouge Park sites, including: 10.8 ha of upland forest; 6.0 ha of lowland forest; 1 ha of meadow; and 550 metres of riparian habitat.

Description of the Project Team

FRW's General Manager, Jim Robb, has University of Toronto Forestry and Environmental Science degrees and more than 25 years of practical experience conducting planning and implementing award winning ecological restoration and education projects in the Rouge River Watershed. Andrew Farnsworth, FRW's Restoration Coordinator, has a B.Sc. Geography degree from Trent University and is working toward his M.Sc. in Forest Hydrology. Evelyn Lurz, FRW's Environmental Education and Volunteer Coordinator, has an B.A. in Psychology and several years of outdoor education and tree planting experience.

What will your project accomplish? (include workplan with timelines, plant list and planting plan) Please see attached Workplan, Planting Spreadsheet and Site Maps

Measurable Project Activities and Benefits:

Forest Regeneration: 16.8 ha of approved TRCA lands planted with 33,680 trees & shrubs

Wetland Restoration: 6 ha of wet forest habitat and wetlands created with TRCA

Riparian Plantings: **550** metres planted to protect Rouge streams

Meadow Restoration: 1 ha planted with 6,000 native wildflowers and 35 kg seed

Enhanced Hydrology: 35+ million litres/year reduction in runoff

School Involvement: 1000 + student volunteers involved and educated about GLWQ Other Involvement: 540 + community and corporate volunteers involved and educated **Education:** 40+ educational Rouge Park and BHMP nature walks for schools

Biodiversity: 155 kg native tree and tall grass prairie seed planted

Nesting Boxes: 10+ nesting boxes erected (8 bluebird, 1 Kestrel, 1 wood duck)

Habitat Structures: 50+ log piles, 5 raptor posts created

2+ endangered species planted (e.g. Butternut, dense blazing star) Species at Risk: Biomonitoring:

3 before and after surveys (amphibians, turtles, butterflies) Debris Clean-up: **50+** bags of litter removed from Rouge Park and BHMP Invasive Sp. Control: **500 m²** of invasive plants (DSV, Phragmites) removed

Media Events: 3+ media releases for large community and corporate plantings Youth Employment: 2 seasonal youth staff to help mulch, water & maintain trees Youth Education: 4 co-op students / 4 foreign exchange student volunteers

Who will maintain and monitor the project after completion? (Please see additional pages)

What are the measurable benefits of this Project? (Please see above)

- How will you promote the MTTF fund with this project? (Please see additional pages) Describe other funding sources/in kind support (Please see attachments)
- Maintaining benefits after project completion? (Please see additional pages)
- Will there be an educational sign component? (Please see additional pages)

Please also provide a cost sum	mary including (Please see at	tached Budget, Funding and In-kind	Tables)
Total Project Cost	\$290,800	Amount requested from the MTTF	\$30,000
Amount from other sources	\$260,800	In- Kind support hours	5,500 hours

BUDGET FORM – HUMAN RESOURCES (Volunteers)

	Det		
Service	Number of People	Estimated Time for Each (hours)	In- Kind Value (in hours worked)
Markham and TDSB Students	1000	2.5	2500
Hillside OES Buses and Parent Support	5	100	500
Community and Corporate Volunteers	500	2.5	1250
Co-op and Exchange students	10	100	1000
Other FRW Volunteers	25	10	250
Total	1540		5,500 hours

2012 In-Kind Contributions - Markham Trees for Tomorrow - FRW Project

	In-kind		
Contributor	Value	Description of In-kind Assistance	
Markham and TDSB students	\$26,750	2500 hours of student, teacher and parent plantings	
Hillside OES Buses and Support	\$7,500	20 Buses and Teacher and Staff Support	
Community and Corporate	\$16,050	1500 hours of community and corporate volunteer	
Volunteers	310,030	plantings	
Toyota Canada	\$6,000	Provision of 4 X 4 Toyota Tundra Truck	
	\$12,500	Site preparation, approvals, surveys and	
TRCA and Rouge Park	\$12,500	wetland construction	
Exchange & Co-op Students	\$11,000	1000 hours of watering, weeding and maintenance	
Markham Forestry	\$5,000	Provision of wood chips and help with event preparation	
In-Kind Total	\$84,800		

BUDGET FORM - Please see attached one page Project Budget

How did you organization hear about the MTTF? (Please check one)						
Town Website	Newspaper advertisement	Word of mouth	X	Other		
Parks Planner, Operations	Project please submit your project re s, Town of Markham, 101 Town Cent x 905-940-1550. Photos may be pos	tre Boulevard, Marl	kham, Ont			

BUDGET FORM - HUMAN RESOURCES (Volunteers)

	Details		
Service	Number of People	Estimated Time for Each	In- Kind Value (in hours worked)
Markham and TDSB Students	100	(hours)	
Hillside OES Buses and Parent Support	1000	2.5	2500
Community and Corporate Volunteers	5	100	500
Co-op and Exchange students	500	2.5	1250
Other FRW Volunteers	10	100	1000
- constitution of the cons	25	10	250
Total	1540		5,500 hours

2012 In-Kind Contributions - Markham Trees for Tomorrow - FRW Project

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Markham Forestry	\$5,000	Provision of wood chips and help with event preparation
In-Kind Total	\$84,800	and neip with event preparation

BUDGET FORM - Please see attached one page Project Budget

Town Website	nization hear about the MTTF? Newspaper advertisement				
	· —	Word of mouth	X Other		
Parks Planner, Operation 905-477-700 evt 3226	s Project please submit your project re ons, Town of Markham, 101 Town Cen Fax 905-940-1550. Photos may be pos	eport, as well as origina tre Boulevard, Markhai	al invoices, photos and records m, Ontario, L3R 9W3, Telephor		

Applicant's Signature

I hereby make application for funding from the Markham Trees for Tomorrow 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:

- 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.
- to promote the Markham Trees for Tomorrow 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 MTTF recipient.

Signature	R.R.	Title	General	Manager,	Friends of	the Rouge	Warkesheef
Printed Name	Robb	Date	Fah 1	1 1017		<u> </u>	
7011	11000		TEVI	1, 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?	Voc	
Approved/Not Approved	Yes	No	- присте	Yes	No
Acknowledgement Letter Sent?	Yes	No	Date Sent		
Letter of Approval or Rejection Sent?	Yes	No.			
Final Report Received?			Date Sent		
Photos Received?	Yes	No_	Date Received		
	Yes	No	Date Received		
Consent for Photographs received	Yes	No	Photos posted on website?	Yes	No

Markham Trees for Tomorrow Fund

Photo Consent and Release Form

Ι,	hereby	permit and	I 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	XJ,	K000.	Date	Feb 17.	2012		
Address / 2259 Meadowvale Ed.							
Town	5car	borough	Province	ON	Postal Code	MIXIRZ	
Telephone	k	347-891-955	0 416 208	0251 Email	imrobb	Dfrw.ca	
Town of Markham:							
Town Repre	sentative		Date				

Markham Trees for Tomorrow Fund

Photo Consent and Release Form

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.

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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).

e de la companya de l	N	0.10	Contact Ir	formation	a de la companya de l Companya de la companya de la compa			
Signature	XZ	Koco	Date Feb 17. 2012					
Address	1250	1 Meadowval	e Rd.					
Town	5car	borough	Province	ON	Postal Code	MIX IRZ		
Telephone		647-841-9550 416 208.0251 Email 11mrobb Ptrw. ca						
Town of Mark	ham:				J			
Town Repre	sentative		Date					

Additional Pages Required for Project Description

\diamond Who will maintain and monitor the project after completion?

FRW will water and maintain the planted trees and shrubs for the first few years until they are free-to-grow. The long term maintenance of trees will be the responsibility of Rouge (National) Park and TRCA. In the summer, FRW hires University students (HRSDC) and coordinates volunteers and foreign exchange students to help water, mulch, weed, rodent guard, deer guard and maintain our plantings. Follow-up watering and maintenance is vital to planting success, particularly in dry and hot summers. FRW has two trailers with 350 and 500 gallon watering tanks, two water pumps, hundreds of feet of two-inch hose, and access to water.

Surveys by Rouge Park staff show that FRW plantings have a survival rate of more than 90%, and the restored areas provide valuable habitat for many regionally, provincially and even nationally rare species. Rouge Park staff regularly monitors FRW restoration sites and prepares an annual report on: a) planting species, density, survival and growth; b) area of forest, wetland, riparian habitat and meadow restored; and c) habitat use by wildlife. The monitoring results are reviewed by Rouge Park, TRCA, MNR, Municipal staff and NGOs to evaluate and improve habitat restoration approaches and results.

FRW photographs and surveys our sites to establish baseline vegetation and environmental conditions, develop restoration prescriptions and obtain Rouge Park and TRCA approvals. After restoration, FRW monitors and photographs each site for several years to continually evaluate and improve our restoration work. FRW has a remarkable record of before and after photographs and field notes on biodiversity to demonstrate the success of our projects.

- What are the measurable benefits of this Project? Please see Project Activities/Benefits
- \diamond How will you promote the MTTF fund with this project?

As the photo on the covering page of our application shows, FRW proudly displays Markham's Trees For Tomorrow banner at our planting events with school, community and corporate partners. FRW will also acknowledge Markham TFT support through media releases, newsletters, FRW's website, social media sites, and school, community and constituency newsletters. FRW events attract many dignitaries and good media coverage.

FRW will also highlight this project through: a) public nature walks and tours with MPs, MPPs, Councillors and other dignitaries; b) displays and power-point shows given to the public, our partners and dignitaries; and c) articles and photos submitted to MP, MPP and Councillor newsletters. FRW is planning for the participation of the following Markham and York Region schools and corporations:

Cedarwood Public School William Armstrong PS Highgate Public School Sam Chapman PS Markham District High School Unilever Canada

All Saints Catholic Secondary School Lincoln Alexander Public School Markville Secondary School Richmond Green HS (RH) David Suzuki Foundation

Little Rouge Public School Wilclay Public School Richmond Rose PS St. Veronica CS (Woodbridge) Walmart

Describe other funding sources/in kind support

The other sources of Funding are summarized in the attached **Funding Partners Table**. This table summarizes and separates FRW funding for our Rouge Park (and BHMP) planting sites in Markham and Toronto.

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

FRW maintains and monitors our plantings until they are free-to-grow in approximately several years. Our maintenance work involves:

- watering if there is a severe drought the first summer after planting;
- placing mulch, rodent guards and deer guards around hardwood trees;
- re-planting areas with low stocking due to fire, disease, rodents, drought or other mortality;
- removing invasive species where possible without chemicals;
- removing rodent quards after three to five years.

FRW's ecological restoration work is designed to reduce long term maintenance costs by accelerating succession towards a self-perpetuating mixed forest. Since the plantings are on public Rouge Park and Bob Hunter Memorial Park lands in the Greenbelt, the benefits should be perpetual. With each passing year, the trees, shrubs and flowers will increase in size and beauty; absorb more CO_2 ; recycle and purify more water; filter more air pollutants; improve more soil with leaf mulch; provide more habitat and food for birds and wildlife; produce more seed to sustain the habitat; and provide more landscape beauty and parkland for the enjoyment of Markham residents.

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

FRW has portable event signs which list our partners. Rouge Park, TRCA, Markham and York Region are developing long term signage for Rouge Park and BHMP.

FRW Recognition and Awards:

- 2010 Markham Trees for Tomorrow Recognition
- 2006 Green Toronto Award for Environmental Leadership
- 2004 Award of Excellence from Wildlife Habitat Canada and York Region
- 2002 Environmental Stewardship Award from Environment Canada
- 2002 Volunteer Involvement Awards from City of Toronto and Markham
- 2001 Rouge Park Award for Contribution to the Creation of the Rouge Park

Additional Pages - Attachments Summary:

Map - Golden Horseshoe Greenbelt Context

Map(x4) - Planting Site Locations and Restoration Plans

Table - FRW Project Budget

Table - FRW 2012 Funding Partners

Table - Planting Numbers and Species by Site

Workplan

Quotes from FRW Partners and Patrons

Rouge Park Support and Funding Letters - Alan Wells and Mike Bender

Hillside Outdoor Education School Letter - Jane Wadden

Mayor Frank Scarpitti Letter of Support

Deputy Mayor Jack Heath Letter of Support

Councillor Logan Kanapathi Letter of Support

EcoAction Letter - Confirmation of Funding

Trillium Foundation Letter - Confirmation of Funding

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- removing invasive species where possible without chemicals;
- removing rodent guards after three to five years.

FRW's ecological restoration work is designed to reduce long term maintenance costs by accelerating succession towards a self-perpetuating mixed forest. Since the plantings are on public Rouge Park and Bob Hunter Memorial Park lands in the Greenbelt, the benefits should be perpetual. With each passing year, the trees, shrubs and flowers will Increase In size and beauty; absorb more CO₂; recycle and purify more water; filter more air pollutants; improve more soll with leaf mulch; provide more habitat and food for birds and wildlife; produce more seed to sustain the habitat; and provide more landscape beauty and parkland for the enjoyment of

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

FRW has portable event signs which list our partners. Rouge Park, TRCA, Markham and York Region are developing long term signage for Rouge Park and BHMP.

FRW **Recognition and Awards:**

- Markham Trees for Tomorrow Recognition 2010
- Green Toronto Award for Environmental Leadership 2006
- Award of Excellence from Wildlife Habitat Canada and York Region 2004 2002
- Environmental Stewardship Award from Environment Canada 2002
- Volunteer Involvement Awards from City of Toronto and Markham 2001
- Rouge Park Award for Contribution to the Creation of the Rouge Park

Additional Pages - Attachments Summary:

Map – Golden Horseshoe Greenbelt Context

Map(x4) - Planting Site Locations and Restoration Plans

Table - FRW Project Budget

Table - FRW 2012 Funding Partners

Table - Planting Numbers and Species by Site

Workplan

Quotes from FRW Partners and Patrons

Rouge Park Support and Funding Letters – Alan Wells and Mike Bender

Hillside Outdoor Education School Letter – Jane Wadden

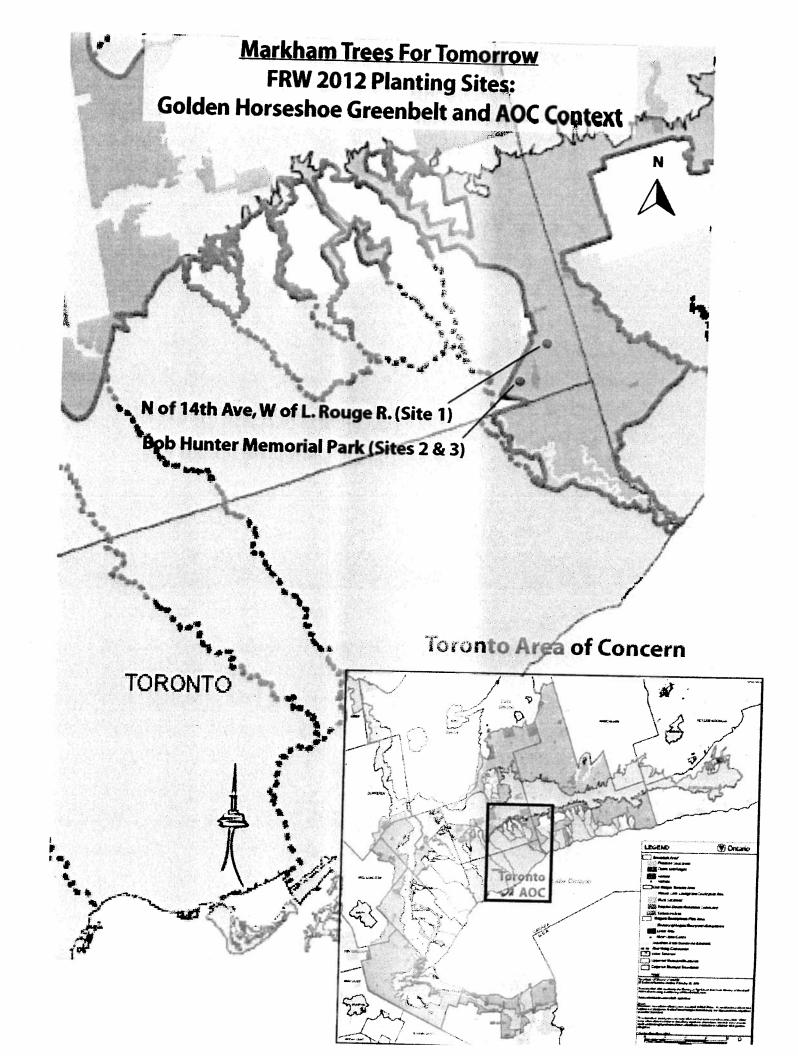
Mayor Frank Scarpitti Letter of Support

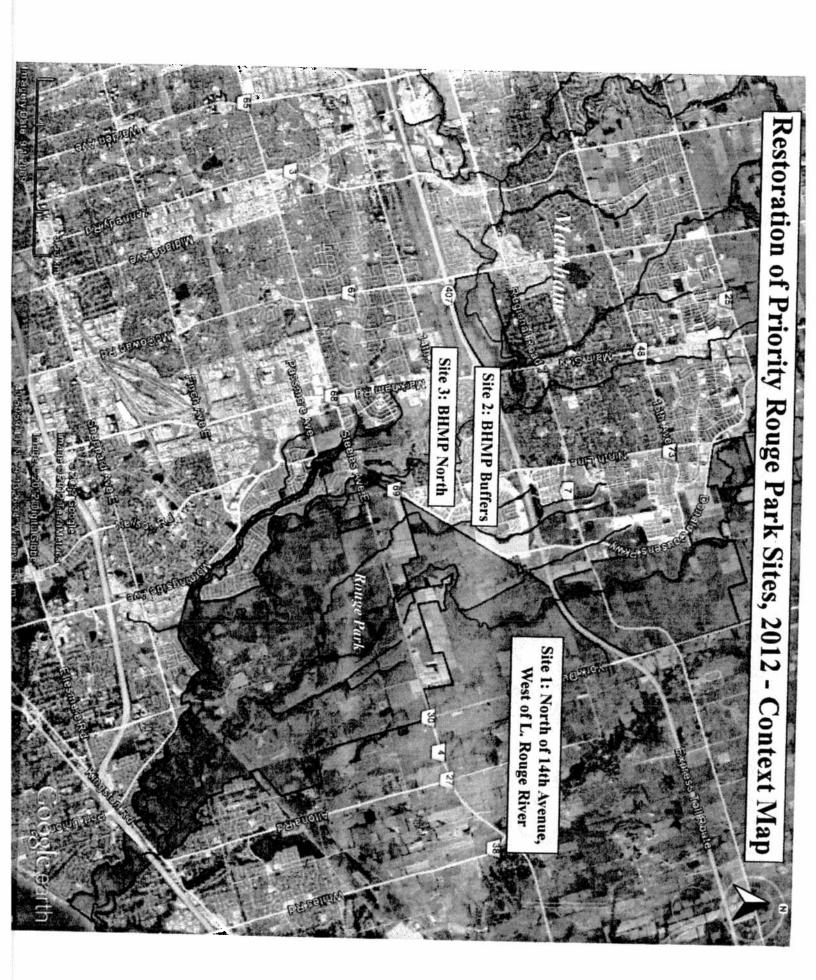
Deputy Mayor Jack Heath Letter of Support

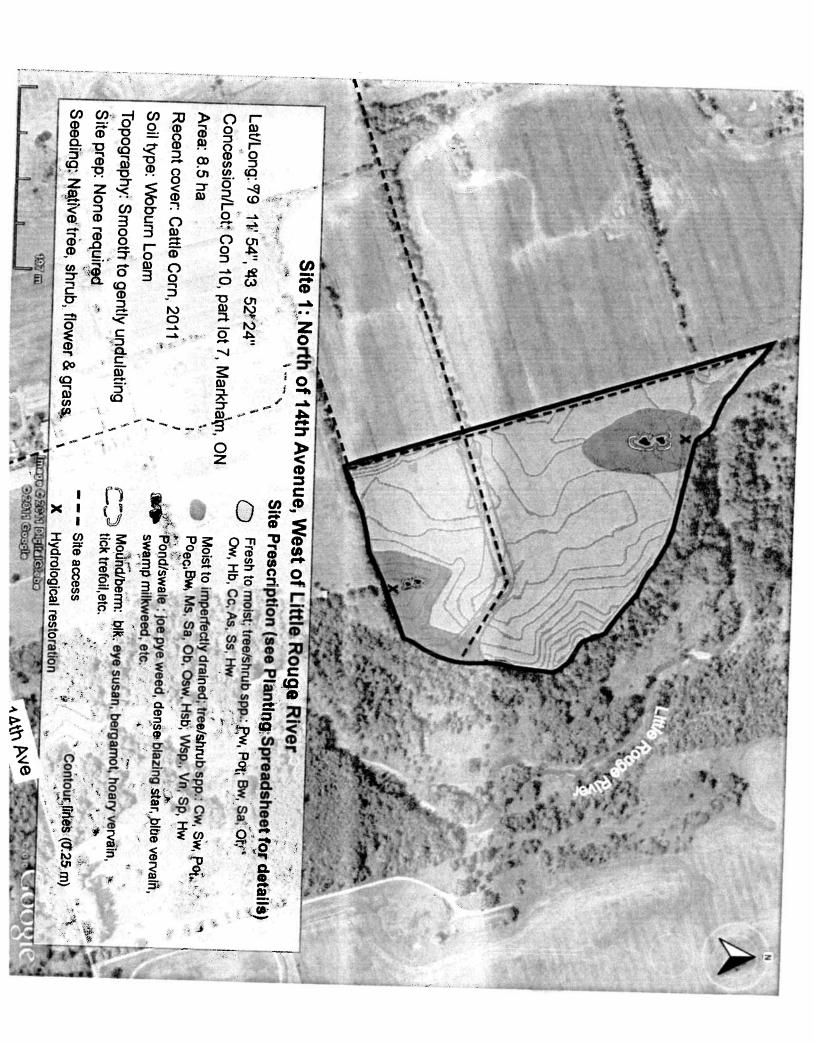
Councillor Logan Kanapathi Letter of Support

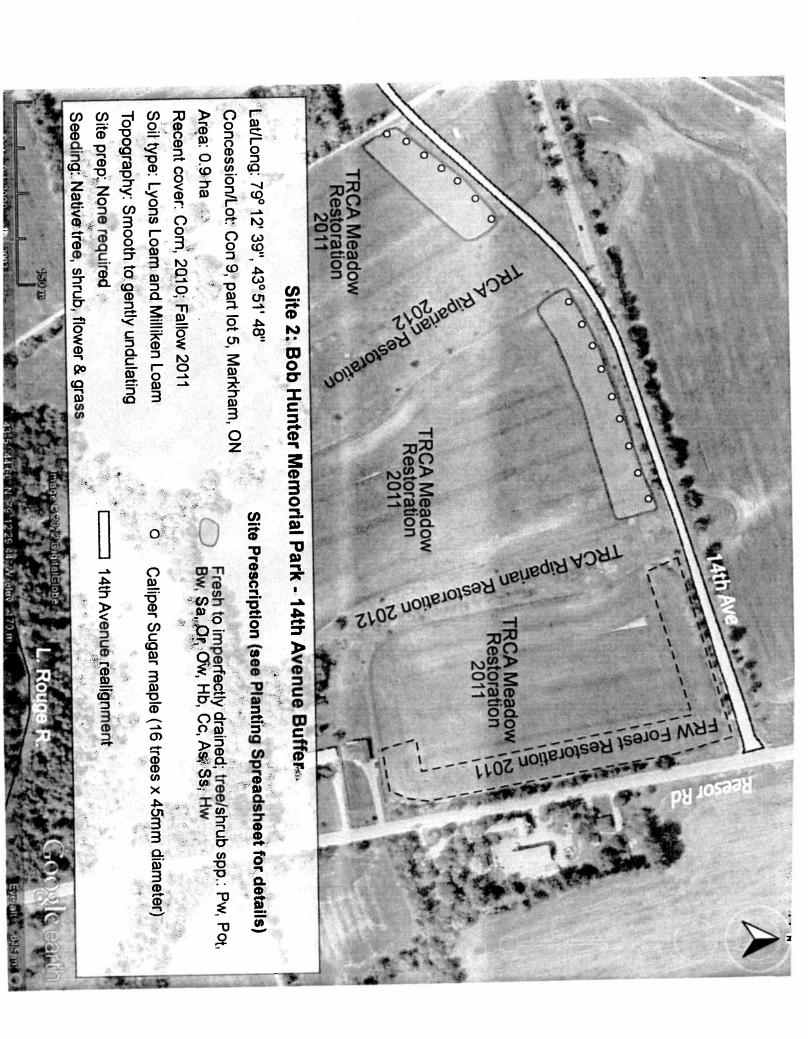
EcoAction Letter - Confirmation of Funding

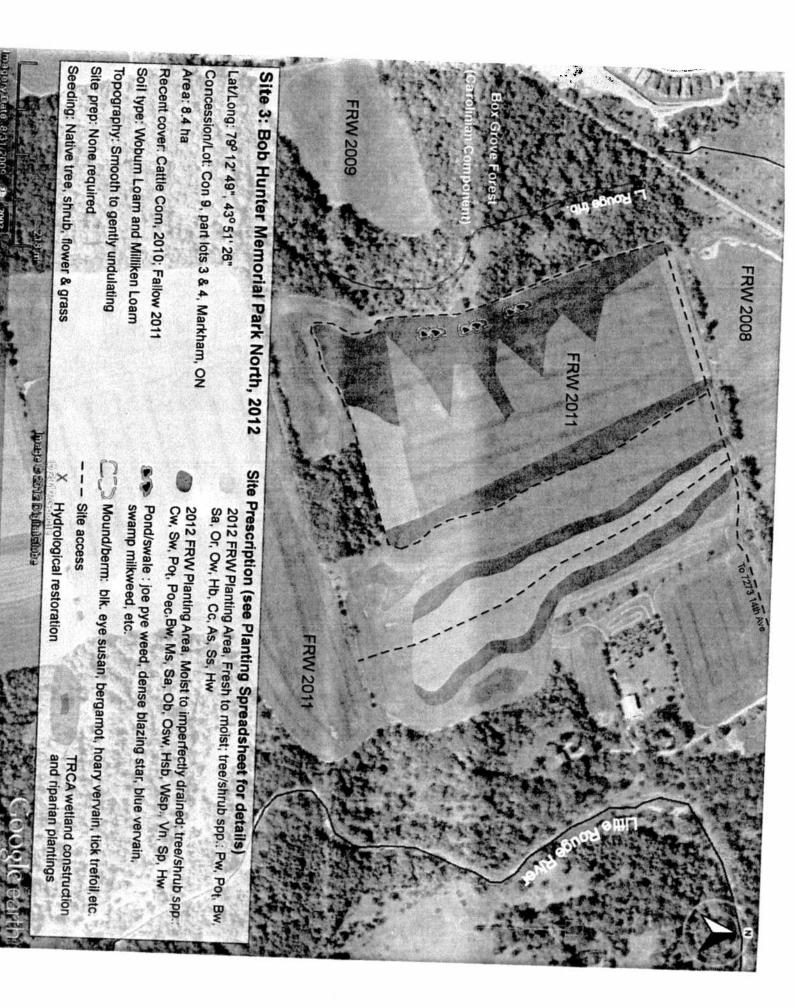
Trillium Foundation Letter – Confirmation of Funding











Friends of Markham Trees for Description	Tomorn	ow Proj	ect Rudge	+ 2012	
Description	Units	Unit	Cash	MTFT	011
		Cost	Total		Othe
Materials, Supplies, Equipment			172,600	Cash	Cash
Pine, spruce, cedar, tamarack (BR)	24000	\$1.20	28,800	30,000	142,60
Pine (B & B, 60 to 80 cm) and Cedar (FC)	330	\$15.00	4,950	5,000	23,800
Large (caliper) Maple Seed Trees	100	\$120	12,000	2,500	2,450
Native deciduous trees (100-150+ cm) avg.	4,900	\$7.00		2,500	9,500
Native shrubs (50 to 60 cm height, BR, pot and plug)	4,350	\$5.00	34,300	8,000	26,300
Native Tree and Shrub Seed (kg and \$/kg)	45	\$60.00	21,750	5,000	16,750
Native Wild flowers (40+ species)	6000	\$1.80	2,700	2,000	700
Native Tall Grass Seed (Kg and \$/kg)	110	\$60.00	10,800	5,000	5,800
Native Wildflower Seed (Kg and \$/kg)	35		6,600	<u> </u>	6,600
Cedar Raptor Posts (20 foot) (and Bird Boxes)	10	\$250.00	8,750		8,750
Rodent guards and weed blankets	8,000	\$200	2,000		2,000
Shovels, wheel barrows, buckets,	50	\$1.00	8,000		8,000
xcavators / Tractor for Site Prep. & Ponds etc	200	\$15.00	750		750
2 trucks, license, insure, fuel, etc (\$/day)	160	\$150.00	10,000		10,000
Vatering Trailer with tank, pump, hose, etc (days)	30	\$80.00	12,800		12,800
Cube van rentals (tree and flower pick-ups) (\$/day)	10	\$150.00	4,500		4,500
0 Buses for Schools (all but 3 in-kind)	3	\$300.00	3,000		3,000
Other		\$300.00	900		900
RW Public Liability Insurance (annual)	1	2400	18,000	0	18,000
roject Bookkeeping / Reporting (hrs and \$/hr)	120	2400	2,400		2,400
udit, T4s, GST, CCRA Returns (hrs and \$/hr)	60	\$30	3,600		3,600
ffice Rent, Phones, computers, communicate, etc	- 00	\$70	4,200		4,200
uman Resources			7,800		7,800
pordinate 40 School planting days (hrs and \$/hr)	1500	#25	100,200	0	100,200
oring and Fall youth helpers (hrs and \$/hr)	600	\$25	37,500		37,500
Summer staff water, maintain sites (hrs and \$/hr)	800	\$13	7,800		7,800
pordinate 7 business /community plantings (hrs)	320	\$13	10,400		10,400
ulching around trees, shrubs, wildflowers (5G pail)		\$25	8,000		8,000
nd-raising & Partner Reporting (hrs and \$/hr)	20,000 400	\$0.30	6,000		6,000
pervision, Admin. & Training (hrs and \$/hr)	300	\$25	10,000		10,000
anning, Approvals, Partner Liaison (hrs and \$/hr)		\$25	7,500		7,500
RA Payroll Deductions and WSIB	200	\$25	5,000		5,000
oject Totals			8,000		8,000
			290,800	30,000	260,800

2012 FRW Funding Partners - Markham Trees for Tomorrow Project

	ή	T	Tarkham Trees for Tolli	0110W 110	jeei	
Organization	Application deadline	Funding confirmed		Total Funding	Funding Markham Sites	Funding Toronto Sites
Town of Markham	Feb-12	No	Nory Takata 905-477-7000	30,000	30,000	1
Rouge Park		Yes	Maria Papoulias 905-713	97,382	40,000	57,382
TRCA		Yes	Bob Clay 416-661-6600	92,000	92,000	
Suzuki Foundation & Rona		Yes	K. Majic 1-800-453-1533 x 1570	15,000	7,500	7,500
Ontario Trillium Foundation		Yes	Diane Sigouin 416-963-7904	55,000	30,000	25,000
EcoAction		Yes	Diana Bonaldi 416-739-4159	23,000	13,000	10,000
Hillside TDSB		Yes	J. Wadden 416-396-6963		1	70,000
HRSDC (summer jobs)		Yes	A. Bouterakos 416-973-7403	12,000	6,000	6,000
TD FEF		Yes	tdfef@td.com	12,200	9,700	2,500
Great Lakes Sustainability	Jan-12	No	Kristin Geater 416-739-4987	30,000	10,000	20,000
Corporate Plantings		No	Deloitte, Telus, Unilever, etc	16,000	6,000	10,000
Evergreen	Jan-12	No	A. Aylen 416 596 1495 x312	9,000	9,000	10,000
RBC Bluewater	Feb-12	No	F. Bedford-Jones 416-974-2176	33,000	13,000	20,000
Earth Day Canada	Feb-12	No	J. Tacorda 416-599-1991 ext. 109	25,000	15,000	10,000
Other Funding Subtotal		No		15,718	9,600	6,118
Total Budget				465,300	290,800	174,500

2012 FRW Funding Partners - Markham Trees for Tomorrow Project

Organization	Application deadline	Funding confirmed	rtners - Markham Trees for Tor	Total Funding	Funding Markham Sites	Funding Toronto Sites
Town of Markham Rouge Park	Feb-12		Nory Takata 905-477-7000	30,000	30,000	F
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	-	Yes	K. Majic 1-800-453-1533 x 1570	15,000	7,500	7,500
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Earth Day Canada	Feb-12	No	J. Tacorda 416-599-1991 ext. 109	33,000	13,000	20,000
Other Funding Subtotal		No	1771 CAL 109	25,000	15,000	10,000
Total Budget				15,718	9,600	6,118
				465,300	290,800	174,500





October 1, 2009

Dear Friends of the Rouge River Watershed and Prospective Partners:

Re: Rouge Park Support for Friends of the Rouge Watershed Ecological Restoration Projects

The Rouge Park Alliance recently approved a Natural Heritage Action Plan for the restoration of approximately 700 hectares (7 million square metres) of forest, riparian, wetland and meadow habitat in Rouge Park over the next several years. Community based volunteer groups form an essential part of the mechanism that Rouge Park will use to achieve this ambitious target. Over the last decade, Friends of the Rouge Watershed (FRW) has been such a community group, and has demonstrated the ability to successfully implement projects that contribute significantly to our goals. For example, FRW's restoration projects have been consistently ranked as high priority by the Rouge Park Alliance Heritage Projects Review Subcommittee comprised of:

- Rouge Park's Chair, General Manager and Natural Heritage Programme Manager;
- Ontario Ministry of Natural Resources;
- Toronto and Region Conservation Authority;
- City of Toronto, Town of Markham, Town of Richmond Hill and York Region;
- Transport Canada; and
- Toronto Zoo.

Friends of the Rouge Watershed has developed very successful ecological restoration methods which utilize good site preparation, native trees, shrubs and wildflowers, and locally collected seed, to help restore a rich and biodiverse mixture of forest, riparian, wetland and meadow habitats. FRW projects involve thousands of youth and community volunteers in environmental education and action. We are looking forward to a continuation of the partnership with the Friends of the Rouge Watershed in 2010 and the years beyond. In particular, we expect to provide up to 40 hectares per year of priority restoration sites for FRW and funding of up to \$5,000/hectare.

We believe that working cooperatively with successful charitable groups like FRW will continue to contribute to:

- expansion of core habitat and linkage areas, nature reserves and ESAs in Rouge Park;
- protection and expansion of habitat for species at risk;
- reduction of runoff and erosion to improve water quality, stream flow and fish habitat;
- expansion of opportunities for compatible outdoor education, recreation and tourism;
- absorption of CO_2 , production O_2 , filtration of air pollutants and moderation of air temperature;
- involvement of youth and community volunteers in ecological education and action.

Rouge Park is pleased to support FRW's efforts to raise the additional funding necessary to restore diverse forest, wetland, riparian and meadow habitat in Rouge Park.

For further information regarding Rouge Park and our ongoing support for Friends of the Rouge Watershed, please contact Bob Clay (905) 713-6022 at the Rouge Park office.

Yours truly,

Alan Wells

Chair, Rouge Park Alliance

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Quotes from FRW Partners and Patrons

(Full letters available upon request)

"FRW has an excellent record of harnessing government, school, community and corporate support to achieve remarkable ecological restoration results."

Frank Scarpitti, Mayor, Town of Markham

"I am pleased that FRW is partnering with Town of Markham schools to involve students in tree plantings in Markham and to educate and inspire students to protect and improve the health and beauty of Markham and the Rouge River ecosystem."

Jack Heath, Deputy Mayor, Town of Markham

"I have worked on many projects with FRW and I am impressed with their vision, expertise, dedication and record of accomplishments. I am honoured to be a Patron of Friends of the Rouge Watershed and provide this letter of support for FRW's excellent environmental projects."

Hon. Pauline Browes, former Minister of State for the Environment, Member, Canada Round Table on Environment and Economy

"Friends of the Rouge Watershed has developed very successful ecological restoration methods which utilize good site preparation, native trees, shrubs and wildflowers, and locally collected seed, to help restore a rich and biodiverse mixture of forest, riparian, and wetland and meadow habitats.

Alan Wells, Chair, Rouge Park

"FRW's projects have received "Awards of Excellence" from the Rouge Park, Wildlife Habitat Canada, the City of Toronto, Environment Canada and the Toronto and Region Remedial Action Plan. FRW utilizes its planting projects to foster school and community awareness and action on habitat protection, pollution prevention, climate change, energy efficiency and waste reduction."

Raymond Cho, Councillor, City of Toronto

"The benefits of FRW projects are multiplied through the involvement of thousands of student and community volunteers, partners from other levels of government and the private sector."

John McKay, M.P., Scarborough-Guildwood

"I am convinced that FRW restoration efforts are significantly expanding and enhancing habitat opportunities for many local butterflies, moths and insects, including regionally rare species and the federally vulnerable Monarch."

Tom Mason, Curator of Invertebrates, Toronto Zoo

"The Red Leaf Volunteer Program and all its international participants are proud of the conservation initiatives and hands on restoration work that they have contributed to in the Ronge Park with the assistance of FRW.

Marylou Hennan, President, Red Leaf International Students Program

"Friends of the Rouge plays a vital role in both the ecological and human communities of the Rouge Watershed. ... they are deeply engaged with the community as educators and as mentors for positive environmental action and as a consequence have been able to make a great contribution to increasing community capacity."

David Gordon, Teacher, Dunbarton High School

"Each year, the Sri Lankan Tamil community works along with other communities in Toronto with FRW to organize a large multi-cultural tree planting in the Rouge Park."

S.C. Palanisamy

"...Toyota Canada Inc. has contributed almost \$100,000 towards the planting of more than 100,000 native trees and wildflowers to help protect and expand designated environmentally sensitive areas within Rouge Park... Toyota Canada has also provided FRW with the free use of a Toyota 4x4 truck to help transport trees, supplies and staff for habitat restoration work.

Vince Moffat, Administration Manager, Toyota Canada



November 18, 2008

Dear Potential Partners of Friends of the Rouge Watershed:

I am pleased to provide this letter of support for Friends of the Rouge Watershed.

The Town of Markham is committed to environmental leadership and sustainability. In his December, 2006 inaugural speech, Mayor Scarpitti stated: "During the next four years, we will plant more trees than we have planted in the last decade, making Markham a greener and better place to live and work."

Over the last twelve years, FRW has tirelessly involved more than 35,000 students, community and corporate volunteers in the planting of more than 330,000 trees, shrubs and wildflowers to restore Rouge Park sites in Scarborough, Markham and Richmond Hill. These community plantings help Mother Nature to restore a beautiful mixture of forests, wetlands, and wildflower meadows on 1.4 km2 of public greenbelt lands which link Lake Ontario with the Oak Ridges Moraine.

I am pleased that FRW is partnering with Town of Markham schools to involve students in tree plantings in Markham and to educate and inspire students to protect and improve the health and beauty of Markham and the Rouge River ecosystem.

I strongly encourage potential partners to support the successful youth and community based environmental education and ecological restoration work of Friends of Rouge Watershed

Yours truly,

Jack Heath Deputy Mayor 4905 Dufferin Street Toronto, ON: M3H ST4

July 27, 2011

Mr. Jun Robb Friends of the Rouge Valley Watershed In. 2289 Meadowyale Road Scarborough, Ontario MTX 4R2

Subject: EA-ON-2010K067 - RESTORING PRIORITY ROUGE PARK SITES

Dear Mr. Jimi Robb.

Fam pleased to extend my congratulations on your six-reschil application to the Eco Action Community Funding Program.

Environment Canada is considering a contribution of SN7 000 00, for a total project value of \$1,609,740.00, payable over 36 months

Your EcoAction project will be funded through a Contribution Agreement under which the Government of Canada sers certain conditions that must be over. The conclused Recipient's Handbook provides answers to many of your questions. Additional guidance and seport is also available from your Project Officer, Diana Bonaldi, who will be contacting you shortly regardors the negotiation of the Contribution Agreement. Diana Bonaldi will provide you with the information and advice of need, and will monitor your project on an ongoing basis on behalf of Environment Canada.

In order to cusare the successful negotianop of your Contribution Agreement you will need to do the following:

- 1. update project's workplan and communication activities;
- 2. apdate the project cashflow for tour project:
- submit any remaining support forters for your project's each and in-kind contributors (these lotters must confirm the funding amorphism).
- confirm the beoAction performance indicators you will be using to injustine the success of your project;
- submit, for approval, any proposed changes in your project activities, scope, funding sources, etc. since the submission of your oriental application; and
- respond to any additional information requirements (i.e. copies of any necessary permits for project work) and funding conditions of enrified by your Project Officer.

You can reach Diana Bonaldi directly at 1,446-730, (150, foll-tree at 1,800,66), 7785, or by equal at diana bonaldi@ec.gc.ca. My staff and filed forward to working with your organization and thank you for your commitment to protecting and improved that a summation your commitment.

Sincerely,

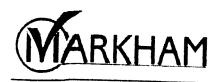
Kim Colavecchia

Regional Eco Action Manager

Implesque

- Recipient's Handbook
- Example of a Community Agreement of codd gas.

Canada



December 2, 2008

Dear Potential Partners of Friends of the Rouge Watershed:

It gives me great pleasure to provide a letter of support for Friends of the Rouge Watershed.

The community are aware of your tireless efforts involving your commitment to encourage students and volunteers in planting thousands of trees to restore the beauty in Rouge Park sites in Scarborough, Markham and Richmond Hill.

I am pleased that FRW is partnering with the Town of Markham schools to involve students in this mission and educating them the importance of our ecosystem.

Markham is committed to continue its efforts as a leader in environmental and sustainability issues and we strongly encourage partners like your organization to make a difference.

Yours truly,

Logan Kanapathi Councillor Ward7





February, 2009

Dear Potential Partners of Friends of the Rouge Watershed:

I am pleased to provide this letter of support for Friends of the Rouge Watershed (FRW).

In my inaugural speech in December 2006, I stated:

"During the next four years, we will plant more trees than we have planted in the last decade, making Markham a greener and better place to live and work."

Markham values our planting partnerships with FRW. In 2008, Markham partnered with FRW to involve more than 1500 school, community and corporate volunteers in the planting of 19,000 native trees, shrubs and wildflowers, and the creation of ten frog and turtle ponds. Working together, we restored forest, meadow and wetland habitat on approximately 110,000 square metres (11 ha) of public land in Bob Hunter Memorial Park, near Box Grove, in southeast Markham.

Milne Park provides a good example of the tremendous long-term success of past planting partnerships (1994 and 1995) between Markham and FRW. The small pine, cedar, birch, maple and oak saplings planted by volunteers in 1994 and 1995 are now fifteen to thirty foot tall juvenile trees (5 to 10 metres). The planted trees have grown into a young forest which purifies our air and water, absorbs greenhouse gases, reduces flooding and erosion, beautifies public parkland, and provides habitat for birds.

FRW has an excellent record of harnessing government, school, community and corporate support to achieve remarkable ecological restoration results.

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To protect and improve watershed and community health, I strongly encourage potential partners to support the successful community-based ecological restoration work of FRW.

Yours sincerely,

Frank Scarpitti

Mayor



Hillside Outdoor Education School



2259 Meadowvale Rd., Scarborough, ON MIX 1R2 • 1et. 416 396-6963 • Fax. 416 396-3292

October 05, 2011

Dear Partners of Friends of the Rouge Watershed:

Since 1999, the staff and students of Hillside Outdoor Education School have enjoyed our ongoing partnership with FRW. It provides students with many opportunities to plant native trees and wildflowers, collect and plant native seeds and provide opportunities for students, teachers and parents to appreciate the beauty of the Rouge Park.

Friends of the Rouge Watershed shares office space in Hillside School. We work together on the Ontario-wide EcoSchools Program. Components of this program include energy conservation, waste minimization and school ground greening.

When students plant a native tree or flower in Rouge Park and take a nature walk, they are building a connection with nature which will be essential to the long term health and beauty of the Rouge Park and Watershed.

Students involved in programs with Hillside and FRW leave with a better understanding of the Rouge Park, watershed protection, and conservation of land, energy and resources. These students take this knowledge and understanding back to their own schools, families and communities.

Hillside Outdoor Education School is pleased to provide this letter of in-kind support for FRW ecological and educational projects. Our support includes:

- providing buses to transport students to the planting sites;
- 2-4 Hillside staff members who assist FRW staff in plantings;
- use of Hillside facilities, including washrooms and lunchrooms;
- provision of supplies such as garden gloves, boots and outdoor gear;
- liaison with visiting teachers and students;
- coordination of program calendar with other TDSB schools.

The estimated in-kind value of Hillside's contribution is \$30,000/year. In addition, the in-kind involvement of TDSB students and co-op students has an additional estimated in-kind value of more than \$40,000/year.

We are looking forward to ongoing ecological restoration and environmental education partnerships with FRW.

Sincerely,

Jane Wadden Site Supervisor

Coppay

SCHEDULE A: BUDGET, CONDITIONS AND EXPECTED RESULTS, PAYMENT AND REPORT SCHEDULES

Grantee: Friends of the Rouge Watershed Inc.

Request ID#: 9996487 Grant Amount: \$255,300

Approval Date: March 4, 2010 Program Manager: Diane Sigouin-Daniel

The grant to your organization is based on information provided in your application.

BUDGET:

Grant funds may only be spent for the items and activities described here.

Ontario Trillium Foundation Funding: Budget Categories	Year 1 \$	Year 2 \$	Year 3 \$	Year 4 \$	Total \$
Salaries and Benefits					
Restoration Project Coordinator 0.375 FT x 40,000 = 15,000 Climate Change, Education and Volunteer Coordinator 0.375 FT x 40,000 = 15,000	30,000	ະນ,000	30,000	30,000	120,000
Program Costs					
Trees, plants, planting supplies and equipment	40,000	40,000	40,000	15,300	135,300
TOTALS	70,000	70,000	70,000	45,300	255,300

CONDITIONS: N/A

FIT WITH PRIORITIES OF THE FOUNDATION:

The Foundation is providing funds for this initiative to support healthier and more physically active Ontarians because it will enhance and help protect human and ecosystem health.

OUTCOMES:

In progress and final reports the Grantee will clearly explain the use of the grant funds and the progress made toward achieving the grant's expected results as measured by the performance indicators outlined below.

The objective of the grant is to support and assist communities to take responsibility for a healthy natural environment and to protect and restore ecological quality and achieve the following results:

Expected Results	Performance Indicators
Year 1 to 4	
1. Restore 25 hectares of priority Rouge Park	Each year:
sites to a diverse mixture of native forest,	a. Obtained Rouge Park and TRCA support
wildflower and wetland habitat	letters and permits; \$375,000 in fundraising;
	and \$300,00 in in-kind donations
	b. 40 class planting days attended by 2,000
	students and 500 community and corporate
	plantings
	c. 40 nature walks and environmental talks



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Mr. Jim Robb and Mr. Andrew Faceworth Friends of the Rouge Watershed 2259 Meadowvale Road Scarborough ON M1X 1R2 December 16 2011

Re: Letter of agreement and Rouge Park Alliance Approval of "Habitat Restoration on Priority Rouge Park sites 2012"

Dear Mr. Robb and Mr. Farnsworth

I am pleased to inform you that an December 9, 2011 the Rouge Park Alliance approved the request for funding through the Rouge Park Natural and Cultural Hentage Funding Programme for "Habitat Restoration on Priority Rouge Park sites 2012" (Alliance Resolution enclosed: The Rouge Park Alliance has allocated \$97,382 for this project in 2012.

The proposal included restoration of habitats on three sites (20.4 ha total) that are designated as priority restoration areas in Rouge Park plans, including two sites in Toronto (5 and 6.8 ha) and one site in Markham (8.6 ha). The proposal identified a total budget of \$92,000 for reforestation of these three sites (\$20K, \$29K, and \$43K, respectively). Full funding has been allocated for these components of the project. The proposal identified an additional \$10,000 for infill plantings but did not specify where infill planting would occur. Part at tunding has been allocated for this component of the proposal, to a maximum of \$60000 subject to the receipt and approval of site-specific infill planting plans by RPA staff.

We heartily encourage you in valid water in the Rouge watershed. Good luck and keep us informed.

Sincerely,

Mike Bender

General Manager, Rouge Par-

I Cal Bellin

SCHEDULE A: BUDGET, CONDITIONS AND EXPECTED RESULTS, PAYMENT AND REPORT SCHEDULES

Grantee: Friends of the Rouge Watershed Inc.

Request | D#: 9996487

Grant Amount: \$255,300 Approval Date: March 4, 2010 Program Manager: Diane Sigouin-Daniel

The grant to your organization is based on information provided in your application.

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TOTALS	70,000	70.000	70.000		
	10,000	70,000	70,000	45,300	255,300

CONDITIONS: N/A

FIT WITH PRIORITIES OF THE FOUNDATION:

The Foundation is providing funds for this initiative to support healthier and more physically active Ontarians because it will enhance and help protect human and ecosystem health.

OUTCOMES:

In progress and final reports the Grantee will clearly explain the use of the grant funds and the progress made toward achieving the grant's expected results as measured by the performance indicators outlined below.

The objective of the grant is to support and assist communities to take responsibility for a healthy natural environment and to protect and restore ecological quality and achieve the following results:

rmance Indicators
year: tained Rouge Park and TRCA support and permits; \$375,000 in fundraising; 300,00 in in-kind donations class planting days attended by 2,000 attended 500 community and corporate ags nature walks and environmental talks
•

OTF Letter of Agreement Request ID: 9996487 - Friends of the Rouge Valley Watershed Inc.

NOTE: THIS IS YOUR LETTER OF AGREEMENT.
PLEASE SIGN AND SEND IT BACK TO
ONTARIO TRILLIUM FOUNDATION

LETTER OF AGREEMENT

BETWEEN

Ontario Trillium Foundation ("The Foundation")

AND

Friends of the Rouge Watershed Inc. ("The Grantee")

1 Braeburn Blvd. Scarborough, ON M1J 2P9

\$255,300 over 48 months

\$255,300 over four years to support the organization's work with youth and community volunteers in restoring priority Rouge Park sites and reducing GHG emissions and pollution.

Request ID No.: 9996487

Board Approval Date: March 4, 2010



Environnement

4905 Dufferin Street Toronto, ON, M3H 5T4

July 27, 2011

Mr. Jim Robb Friends of the Rouge Valley Watershed Inc. 2259 Meadowvale Road Scarborough, Ontario MIX 1R2

Subject: EA-ON-2010K067 - RESTORING PRIORITY ROUGE PARK SITES

Dear Mr. Jim Robb

Lample ased no extending congratulations on your successful apple, an injecthe EcoAction Community Funding Program.

Environment Canada is considering a contribution of \$87,000 p0, for a total project value of \$1,609,740,00, payable over 36 months

Your EcoAction project will be funded through a Contribution Agreement under which the Government of Canada sets certain conditions that must be met. The enclosed Recipient's Handbook provides answers to many of your questions. Additional guidance and support is also available trongly or Project Officer, Diana Bonaldi, who will be contacting you shortly regarding the negotiation of the Contribution Agreement. Diana Bonaldi will provide you with the information and advice you need, and will monitor your project on an ongoing basis on behalf of Environment Canada.

In order to ensure the successful negotiation of your Contribution Agreement you will need to do the following:

- 1. update project's workplan and communication activities.
- update the project cashflow for your project;
- submit any remaining support letters for your project's cash and in-kind contributors (these letters
 must contirm the funding amount(s));
- confirm the EcoAction performance indicators you will be using to measure the success of your project;
- 5. submit, for approval, any proposed changes in your project activities, scope, funding sources, etc., since the submission of your original application; and
- respond to any additional information requirements the copies of any necessary permits for project work) and funding conditions identified by your Project Officer

You can reach Diana Bonaldi directly at 1-416-739-4159, toll-tree at 1-800-661-7785, or by email at diana, bonaldi@ec.gc.ca. My staff and f look forward to working with your organization and thank you for your commitment to protecting and improving the environment in your community.

Sincerely,

Kim Colayecchia

Regional EcoAction Manager

Hillary.

Enclosure

- Recipient's Handbook
- Example of a Contribution Agreement (to follow)

•	T 4
	्र १५ १९
Restoration of Priority Rouge Park Sites in Markham, 20	M PDWW.
	IL - FKW Workplan
Task	Season and Status
D	Season and Status
Prepare for 2012 Habitat Restoration	0-4-1
TRCA archaeological clearance of Markham Sites	October 2011 to March 2
Prepare restoration plans and budget	Complete
Prepare restoration sites	Complete
Obtain price quotes and order trees and shrubs	In progress
Gaill Rouge Park Alliance approval and funding	Complete
Fundraise	Approved December 2011
Sow native error and plantings with schools and corporations	60% Complete
dow native grass seed	90% Complete
Prepare trucks, trailers and equipment	In progress In progress
Obtain TRCA site access permits	
Work with TRCA and Rouge Park to approve and create ephemeral wetlands	In progress In progress
	In progress
Create FRW newsletter, prepare articles and update website	In progress
implement Habitat Restoration	April to June, 2012
lire and train 4 seasonal workers to assist with plantings	In Progress
Soluti and train 4 co-op students	In Progress
nvolve 800 students and 200 community volunteers in spring plantings	Scheduled
tant 27,000 trees and 3,000 shrips on the Markham and	Scheduled
reed 45 kg of tice seed and (5 kg of wildflower as a	Collected and Ordered
Order and plant 6000 wildflowers on berms around frog ponds	Conceiled and Ordered
To vide 30 hature Walks involving 100 wouth on 4	
- game 2 - media events and two fours to thank nowthern - 1 11	
The summer start (4) and Orognize evolunes of the first start of the s	
reate FRW newsletter, prepare articles and update website /ater, Mulch, Monitor and Maintain	
ater, which, woods and Maintain	July to September, 2012
ater, mulch, weed and maintain plantings with exchange students and staff	3 - 3 - 5 - 5 - 5 - 5 - 5 - 5 - 5 - 5 -
b and whithe public walks	
ontrol invasive species on over 500 m ² around restoration sites	
cate 50 new habitat structures (log and brush piles) and 5	
can up 50 dags of fitter from project cites and read	
onduct 3 bio-monitoring surverys of birds, amphibians, turtles, snakes, odonata	
The Waletter, prepare afficies and undate website	
mplete Restoration Activities and Begin Plans for 2013 int 2.330 trees and 1,350 shrubs	September to December, 201
olve more than 200 and 1,350 shrubs	September to December, 201
volve more than 200 students and 300 corporate volunteers in fall plantings	
ovide 10 nature walks involving 600 youth and community volunteers llect native flower seed and native tree seed	
neet native nower seed and native tree seed	
velop 2013 restoration plans and order trees pare 2013 workplan	
ink partners, submit 2012	
ink partners, submit 2012 reports and conduct annual audit n and fundraise for 2013 restoration projects	
ate FRW newsletter prepare and 1	
ate FRW newsletter, prepare articles and update website t holiday party and wreath-making event for partners and supporters	

2012 FRW Planting Spreadsheet - Markham, Trees for Tommorrow

Site Location	Size	Fresh	Sims.	Wet.	Size Fresh Rips- Wet- white white white tamar	site wh	ilic inn	nar red	tremb.	h. white	r maple	Ses	Syca-	oaks	oaks	hickory	other	flower-	Large		Tree Flowers	- : - : •	Native	Native
	â	Ť	rian	land	piec	ecdar spruce	30 A	ack pine	asben	n birch		sih. & red costonwood		red /mbite	more red /whiteburr/swampbitt. Shag	hitt. Shag	Decid.	jaj	Trees	Shrub	/s6nld q	2345-31	Flower	Tree
		ħ	ε	2	BR	HH	BR	_	BR&	R BR &	E BR&	BR &	Ding &	yy Inja	plug &	plug &	ping &	shrubs	maple	c Totals	s pots	1701	Seed	Seed
			Г	_	2+2 2+	2+2 2+	2+2 2+1	1 2+2	ctnr	ctnr	ctnr	ctnr	ctnr	ctnr	ctnr	cfnr	cfnr	BR /ctnr	omk			10: 0 MG	kg	kg
Markham																								
1. W Little Rouge, N 14th Avenue	8.5	7	961	1.5	4,0400 4,5	4,500 45	1157	200	258	360	100	200	200	400		150	200	2,500		13,450	2000		15	20
2. BHMP 14th Buffer	6.9	6.0		H	320	Ļ	05 09	0 50	200	100	80	80	101	160		50	106	350	09	1,640	2,000	ž	40	5
3. BHMP North Field	8.4	3.9	354	4.5 8.	8,100 5,0	S,800 30	300 200	008 0	107	250	250	150	550	800	101	50	100	1,500	40	18,590	0 2,000);;	15	20
	17.8	8.11	988	6 12	12,420 9,	9,500 81	810 55	950 1050	850	959	400	400	850	1000	100	250	191	4,350	901	33,680	000'9 0		35	45
-11-0 t-W -1 t-10	-												:											
Siecies, moist to met come																								
Trees	white or	Ider, wh	rite spr	uce, tan	white cedar, white spruce, famanack, tembling aspen, white birch,	mbling &	Bpen, v	hite bird	Pilver	maple.	E. Cottonwo	od, A. Sycar	nore, but	T & SWEITID	white oak, a	hagbark h	ckony, be	sswood, K	Coffe	ee tree, Tu	an tree, ha	silver maple, E. Cottonwood, A. Sycamore, burn &swemp white oak, shagbank hickory, basswood, K. Coffeee tree, Tukip tree, hackberry, elm		
Flowering Shrubs	pussy w	MOW, re	d osie	r dogwo	pussy willow, red osier dogwood, namyberry, highbush cranberry	berry, h	ighbush	cranber		low swe	et, swemp n	meadow sweet, swamp rose, ninebark, speckled alder, fragrant raspberry, elderberry, etc.	k, speckt	ed elder, fr.	agrant raspl.	yerry, ekder	berry, etc							
Native Grass Seed	Netive	edge st	pecies	(fox, bel	Native sedge species (fox, bebbs etc), cord grass, Kalm's brome,	and grass	ss, Kaln	's brome		uestem,	Indian grass	big bluestem, Indian grass, Canada rye.	ě											
Native Wildflower Seed	sweet o.	x eye, e	wening	primro	sweet ox eye, evening primrose, boneset, brown eyed Susan, sne	it, brown	beyed 5	usan, sn	Meze W	eed, gre	en headed (neze weed, green headed coneflower, fox glove beard tongue, NE aster, blue flag iris, dense blazing star	ox glove	beard tong	Ue, NE este	r, blue flag	iris, chera	se blazing	star					
Native Flowers (plugs & pots)	dense t	Mazing 8	star, jou	bye we	dense blazing star, joe pye weed, blue flag irts, sweet flag irts, bor swamp mikweed, bottled gentian. Azure end NE aster, cup plant.	lag iris.	sweet fi	ag iris, by	preset,	turtleher	td, blue ven	neset, turtlehead, blue varvain, awamp rose, white anakeroot, blue lobella, Cardinal flower, green headed coneflower incremend, monkey flower, atc., Cord grass, seddes, Indian grass, big blue stem, sweet oxieve. Michidan lify	1056, wft.	ite snakero oes. Indian	ot, blue lob	He, Cerdin	al flower	green her	ded co	neflower				
				1																				
Species, Fresh to Dry Solls																								
Trees	white pit	east	ini mei	liper, big	white pine, eastern juniper, bigtooth aspen, white birch, red maple	en, whit	e birch,	red map		vcamore	, red & white	A. Sycamore, red & white oak, bitternut hickory, biack cherry, hawthorne, ironwood,	ut hickor	y, biack ch	erry, hawtho	me, ironw	od,							,
Flowering Shrubs	choke c	herry, gs	ney do	wood, !	awthorn,	sumac,	service	эепу. Ап	nerican	hazei, C	enada plum	choke cheny, grey dogwood, hawihom, sumac, serviceberry. American hazel, Canada plum, red bud. New Jersey tea, etc	ew Jerse	y tea, etc										
Native Grass Seed	Canade	rye, big	blues	tem, Ind.	Canada rye, big bluestem, Indian grass, twitch grass, sand drop	twitch g) rass, 84	and drop	se ed,															
Native Wildflower Seed	brown e	yed sus	E, T	kweed,	hairy bear	d tongu	e, berns	mot, sm	ooth ro	ie, nativ	yarrow, ev	brown eyed susen, mikweed, haky beard tongue, bergamot, smooth rese, native yarrow, evening primrose, showy tick trefoil	se, show	y tick trefol	_									
Native Flowers (plugs & pots)	brown e	yed Sun	Jan, mi	fkweed,	helry bea	rd tongu	e, berg	mot, sm	ooth 70	te, nativ	э уапом, еч	brown ayed Susan, mikweed, haky beard tongue, bergamot, amooth rose, native yarrow, evening primrose, ahowy tick trefoil, lance leaved coreopsis, hoary vervain, butterfly weed,	se, shov	w tick trefo.	#, lance lea	ved coreop	sts, hoar	y vervain,	butterft,	/ weed,				
	wild stra	wberry.	뽕	ter, flat	wild strawberry, NE aster, flat topped ester, cylindric blazing star,	ter, cytir	dric bla	zing star		smoke,	virgin's bov	prairie smoke, virgin's bower, Virginie Min. Mint, fireweed, harebell, Pearly everlasting, wild geranium, etc	Mtn. Min.	i, fireweed,	harebell, Pt	sarty everts	ısting, w	ld genantur	n, etc					

OPERATIONS

FEB 1 6 2012

For Office Use Only - Project No.:

Application Form	Ι.
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11

Briefly describe what your group does:

Evergreen is a not-for-profit organization that makes cities more liveable. By deepening the connection between people and nature, and empowering Canadians to take a hands-on approach to their urban environments, Evergreen is improving the health of our cities—now and for the future. Through our core programming: **Learning Grounds** (school yard greening); **Common Grounds** (restoring public lands); and **Evergreen Brick Works** (a national centre for sustainability) we are providing individuals with the practical tools and knowledge needed to become environmental stewards in their communities.

Evergreen Common Grounds is a national service which works with communities across the country to conserve natural and cultural landscapes, restore degraded environments, and protect open spaces for recreation, education and enjoyment. What started as a small urban tree-planting initiative in 1991 has grown into a national program which supports and encourages the protection, restoration and stewardship of Canada's public lands.

If approved, the funds from the *Markham Trees for Tomorrow* grant will be used to support and expand upon our Common Grounds program within the town. Since 2008, Evergreen in partnership with the Town of Markham have engaged more than 1,200 volunteers in planting and stewardship initiatives, which has resulting in 5,125 native trees and shrubs and 1,000 wildflowers added to parks throughout the municipality.

Projects Contact		marricipatity.		
	T			
Name	Jill Kelly		Name	Sue Arndt
Title		ager (York Region)	Title	Manager, GTA Urban Ecology
Phone (work)	416-596-14	95 ×360	Phone (work)	416-596-1495 x 249
Phone (home)	416-899-543	39 (mobile)	Phone (home)	416-455-4526 (mobile)
Email	jkelly@ever	green.ca	Email	sarndt@evergreen.ca
Project Summary				
7:41				ots: Community Stewardship and
Title:			Restoration I	nitiative
Location of Pr	oject:		Town of Mark	kham .
Name of Regis	stered Owne	r of the Lands:	Town of Mark	ham
Address of Re	gistered Ow	ner of the Lands:	101 Town Cer	ntre Boulevard, Markham, ON, LER 9W3
Contact Name	for Register	ed Owner of the Lands:	Karen Bonifac	ce or Nory Takata, Operations
				Duration (months,
Phone # Regis	stered Owne	r of the Lands	905-477-700	• • •
Request for		Spring Funding <u>x</u>	Fall Funding	_x_ Either
Start Date of I	Project	April 1, 2012	End Date	December 31, 2012





Nory Takata
Parks Planner
Operations Department
Town of Markham
101 Town Centre Boulevard
Markham, ON L3R 9W3

February 15, 2012

Dear Nory,

On behalf of everyone here at Evergreen and the communities we serve, I would like to thank you and the Town of Markham for your ongoing support of our programs. We would like to respectfully submit this request of \$29,400.00 to the Markham Trees for Tomorrow Fund. I appreciate you taking the time to review our application.

The support that we have received for the past three years from the Town of Markham has helped us engage more than 1,200 community volunteers in public plantings and community stewardship events, which has resulted in over 5,000 native trees and shrubs and 1,000 wildflowers added to parks and open spaces throughout the municipality. The funding that we are currently requesting will help to support our 2012 programs in Markham, including more opportunities for community-based stewardship and restoration initiatives and educational outreach.

Please find enclosed our completed application with our workplan/timeline, planting maps and photos attached. Should you have any questions, please do not hesitate to contact me at $416-596-1495 \times 249$ or at <u>sarndt@evergreen.ca</u>.

Thank you, Nory.

Sincerely,

Sue Arndt

Sundt

Manager, Urban Ecology, GTA

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 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.

Project Objectives:

Through our *Community Stewardship and Restoration* program, we intend to provide demonstrable, widespread and lasting environmental benefits for the community by addressing a number of environmental issues that are affecting the Town of Markham. More specifically, our program will increase the local biodiversity within the town's public greenspaces, create vibrant wildlife habitat, and mitigate impacts from herbaceous invasive species. By engaging individuals in hands-on restoration and stewardship activities we will be improving the health of the local environment, while promoting education and strengthening the ecological literacy amongst the diverse community of Markham. Furthermore, the native trees, shrubs, and wildflowers planted as a result of this program will not only benefit the natural environment, but will also improve the health and vitality of the community, reduce maintenance costs, and contribute to climate change mitigation measures; all of which are priorities outlined in Markham's Greenprint Sustainability Plan.

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, plant list and planting plan)
- 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 MTTF 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

Project Purpose, Overview and Benefits:

The presence of accessible vibrant green spaces influences the health and quality of life in our communities. Public open spaces are places for recreation, growing food and building connections among neighbours. With 86% of Canadians now living in urban and suburban areas, sustaining our connection with nature has never been more important and is vital if we are to build a sustainable future. Building on a strong foundation from the past 3 years, Evergreen's Community Stewardship and Restoration project will continue to engage individuals through hands-on naturalization initiatives in parks and open spaces across the municipality. Through this program, we hope to instil participants with a greater appreciation and awareness of the economic, social, and cultural benefits of conserving our natural systems.

Drawing from our past experiences, Evergreen aims to work directly with community and social groups, such as *Grandview Area Residents Association, Centre for Information & Community Services, Heritage Lions Club, CIVIC* and the 3rd Unionville Scouts; as well as local schools in delivering restoration plantings and stewardship events in a number of parks throughout the Town of Markham. We will collaborate with the

Town of Markham and Toronto and Region Conservation Authority to develop concise restoration plans which will see a minimum of 1,000 wildflowers and up to 500 native trees and shrubs planted in open spaces throughout the town. Plans for the spring and fall include community planting events at Fierheller Park, Berczy Park, Grandview Woodlot, and Austin Drive Park. As in previous years, education will be a prominent component of our programming – with educational tutorials, interpretive walks, and interactive activities being offered to community members participating at our events. Our 2012 workplan/timeline, as well as relevant planting location maps are included at the end of this application as attachments.

The benefits of our Community Stewardship and Restoration program include, but are not limited to:

- -Enhancing local biodiversity and creating wildlife habitat through the planting of up to 500 native trees and shrubs; and over 1000 wildflowers.
- -Controlling the spread of herbaceous invasive species (notably Garlic Mustard and Dog Strangling Vine). Selective invasive species removals encourage greater native species diversity, resulting in healthy ecosystems which provide an abundance of habitat.
- -Increasing the urban tree canopy coverage. With the rapid expansion of the destructive Emerald Ash Borer much of the town's mature ash trees will inevitably be lost. By engaging the local community in planting an additional 500 native trees and shrubs, we will be assisting with in-fill operations needed in the wake of this invasive beetle. Furthermore, we will be educating the public on the signs and symptoms of infestation that may be present on their own properties.
- -Improving water quality and reducing soil erosion. In our urban areas, impermeable surfaces such as concrete and asphalt prevent rain water from draining into soil. Our streets act as tributaries washing particulates, pesticides, heavy metals and other pollutants into our sewers and stormwater management ponds. By planting 500 trees and shrubs across the town, we will promote soil-based water filtration and reduce the amount of harmful contaminants entering our waterways. Also, planting vegetative stock along our rivers and streams will provide 'natural' erosion and flood control.
- -Counteracting 'urban heat island effect'. Trees provide the highest cooling effect in comparison to other mitigation efforts. A University of Manchester study revealed that a mere 10% increase in the amount of green space maintained in urban centres would reduce surface air temperatures by as much as 4°C.

In order to create healthier, more sustainable cities, a greater sense of ecological consciousness must be adapted by all Canadians. Planting trees and shrubs is not enough. Realizing this, a primary goal of our program will be to promote ecological literacy amongst the diverse community of Markham. We will strive towards strengthening our existing community partnerships while seeking out new opportunities that will allow us to engage individuals of all ages and cultures. In an effort to foster new partnerships, Evergreen plans to attend and/or deliver up to 3 community outreach events throughout the year in order to connect with individuals, promote civic action, and educate interested parties on the importance of ecological restoration.

Sustainability Plan:

Following our scheduled planting initiatives, Evergreen will engage volunteers at 5 to 8 public stewardship and monitoring events throughout the summer and fall. Program participants will also be educated on the environmental pressures faced by urban green spaces, notably invasive species, habitat loss, and water pollution. After the 2012 program is complete, Evergreen will continue to work with Town staff and raise funds from diverse sources to support our stewardship initiatives. Furthermore, drawing from our own volunteer base, active students and community groups may be available to participate in stewardship activities at specific sites when needed. Evergreen has estimated that 3 to 5 years of on-going stewardship will be required at the majority of planting sites until the planted stock is fully established and will require little care in order to survive thereafter.

Promotion/Recognition:

Through our efforts we hope to foster a strong connection between residents and **The Markham Trees for Tomorrow** initiative. Upon funding, Evergreen will recognize Markham Trees for Tomorrow's support through:

- Town of Markham logo placement on all event signage, including flyers and banners (if applicable) during the 2012 season
- Town of Markham logo placement on all Community Stewardship and Restoration published material during the 2012 season
- Listing in Evergreen's 2012 Annual Report
- Listing on Evergreen's website in the 'Our Supporters' section
- Scheduled public events posted on Evergreen's online event calendar

Additional Funding Sources/In-kind Support:

- HSBC and Purina (Evergreen HR)
- TRCA (in-kind plant material)
- Town of Markham Community Volunteers (in-kind); mulch for plantings (in-kind)
- Evergreen (in-kind overhead, administration and communication)

Project Team:

Jill Kelly, Project Manager, York Region

The day-to-day management and coordination of the *Community Stewardship and Restoration* program will be conducted by Jill Kelly. As project manager, Jill will:

- -Work with municipal and institutional partners to assess and establish suitable restoration sites
- -Develop a detailed workplan for the spring and fall planting season
- -Plan, organize and execute community restoration and stewardship events throughout the municipality
- -Outreach and network with members of the community, social/cultural groups, local schools and corporations
- -Coordinate project communication and administration

Jill joined Evergreen's National Program team in the fall of 2010. With a background in Environmental and Resource Studies, she previously worked as a project manager for a private environmental consulting firm based out of Markham. In her current role, Jill leads the hands-on restoration and stewardship initiatives throughout York Region.

Sue Arndt, Manager, Urban Ecology, GTA

The overreaching management of the 2012 program will be undertaken by Sue Arndt. With a background in environmental restoration, biological science and community engagement, Sue brings a wide range of experience and expertise to the program. It is expected that she will oversee:

- -The strategic direction and development of program partnerships
- -Program budgeting and reporting; and
- -The identification of potential funders and the preparation of additional funding proposals, as required.

Please also provide a cost sur provide details of the costs)	nmary including (please use a	ttached budget forms on pages 4 and	1 5 to this application t
Total Project Cost	\$48,970	Amount requested from the MTTF	\$29,400
Amount from other sources	\$19,570	In- Kind support hours	1,000hrs.

BUDGET FORM - HUMAN RESOURCES (Volunteers)

	Det	ails		
Service	Number of People	Estimated Time for Each hour	In- Kind Value (in hours worked)	
Community restoration and stewardship volunteers	500	2	1,000	
Colliniantly restoration and seemanson,				
Tota	l 500	2	1,000	

BUDGET FORM

Materials, Supplies and Equipment		Cost				
Proceedings, Supplies and Equipment	# of units	Unit Cost \$	Total Cost \$	MTFT	Other	
Native trees and Shrubs	480	\$18	\$8,640	\$5,000	\$3,640	
Native Wildflowers	1,100	\$5	\$5,500	\$1,000	\$4,500	
Tree guards	480	\$1	\$480	-	\$480	
Volunteer Gloves	500	\$4.50	\$2,250	\$400	\$1,850	
Volunteer Refreshments	14	\$50	\$700	\$700	-	
Shovels	50	\$20	\$ 1,000	\$1,000	-	
Trowels	50	\$10	\$500	\$500	-	
Buckets	40	\$5	\$200	\$200	-	
Rental van	5	\$250	\$1,250	\$1,250	-	
Car rental/Mileage (stewardship events, meetings, site visits)	20	\$60	\$1,200	\$1,200	-	
Event Camera	1	\$300	\$300	-	\$300	
Tree Monitoring Equipment/Supplies	1	\$350	\$350	-	\$350	
Stewardship Tools (pruners, secateurs, weeders, spades)	50	\$15	\$750	\$750	_	
Stewardship Supplies (yard waste bags, plastic bags)	200	\$2	\$400	\$400	-	
Health and Safety Supplies	5	\$50	\$250		\$250	

Other Expenses					
Project Coordination (planning, facilitation, site visits, outreach)	63 days	\$250/day	\$15,750	\$15,750	-
Project Management	10 days	\$300/day	\$3,000	-	\$3,000
Communications (flyers, design, development)	4 days	\$300/day	\$1,200	-	\$1,200
Overhead and Administration			\$5,250	\$1,250	\$4,000
Total			48,970	29,400	19,570

How did you organization hear about the MTTF? (Please check one)							
Town Website	Newspaper advertisement	Word of mouth	_X_	Other			
Parks Planner, Operation	Project please submit your project re s, Town of Markham, 101 Town Cent IX 905-940-1550. Photos may be pos	tre Boulevard, Mark	ham, On	ices, photos and records to tario, L3R 9W3. Telephone			

Applicant's Signature

I hereby make application for funding from the Markham Trees for Tomorrow 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:

- 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.
- 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.
- to promote the Markham Trees for Tomorrow 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.
- 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.
- 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 MTTF recipient.

Signature: XVVV

Title: Manager, Urban Ecology, GTA

Printed Name: Sue Arndt

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					NI-
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 Trees for Tomorrow Fund

Photo Consent and Release Form

I,Jill M. Kelly	hereby	permit	and
authorize the (Print in full – first, middle initial & last name)	, ,	P	
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	7.60	Lelly	Date	Feb.	15, 2012			10 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1
Address	dress Centre for Green Cities, Suite 300, Evergreen Brick Works, 550 Bayview Avenue							
Town	Toronto		Provir	nce Ontario Postal Code M4W 3X8				M4W 3X8
Telephone	416-596-149	05 x 360	A			Email	jkelly@evergreen.	.ca
Town of Mark	cham:							
Town Repre	esentative		Dat	e				

Attachment Checklist

Attachment 1: 2012 Workplan and Timeline

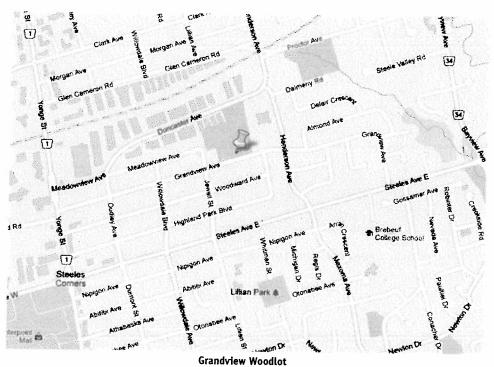
Attachment 2: Key Maps and 2012 Planting Plans (with detailed species lists)

Attachment 3: 2011 Trees for Tomorrow Photo Highlights

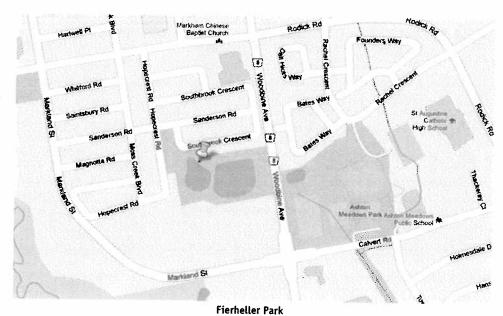
Attachment 1: 2012 Workplan and Timeline

Time Frame	ACTIVITIES
Spring 2012	-Contact community partners and finalize program details (March) -Outreach within the community to promote the program and recruit new volunteers (April)
	Lead community restoration planting events (May - June)
Summer 2012	-Lead stewardship and monitoring events throughout the municipality (July-August) -Incorporate (when able) outdoor educational walks/activities into stewardship events -Outreach within the community to promote the program and recruit volunteers (August)
Fall 2012	-Lead community restoration planting events (September-October)
Winter 2012/13	-Prepare and provide program report to the Town of Markham (December) -Collaborate with the Town of Markham and Toronto and Region Conservation Authority to develop concise restoration and program plans for 2013 (January-February)

Attachment 2: Key Maps and 2012 Planting Plans



Restoration Planting with Grandview Area Residents Association



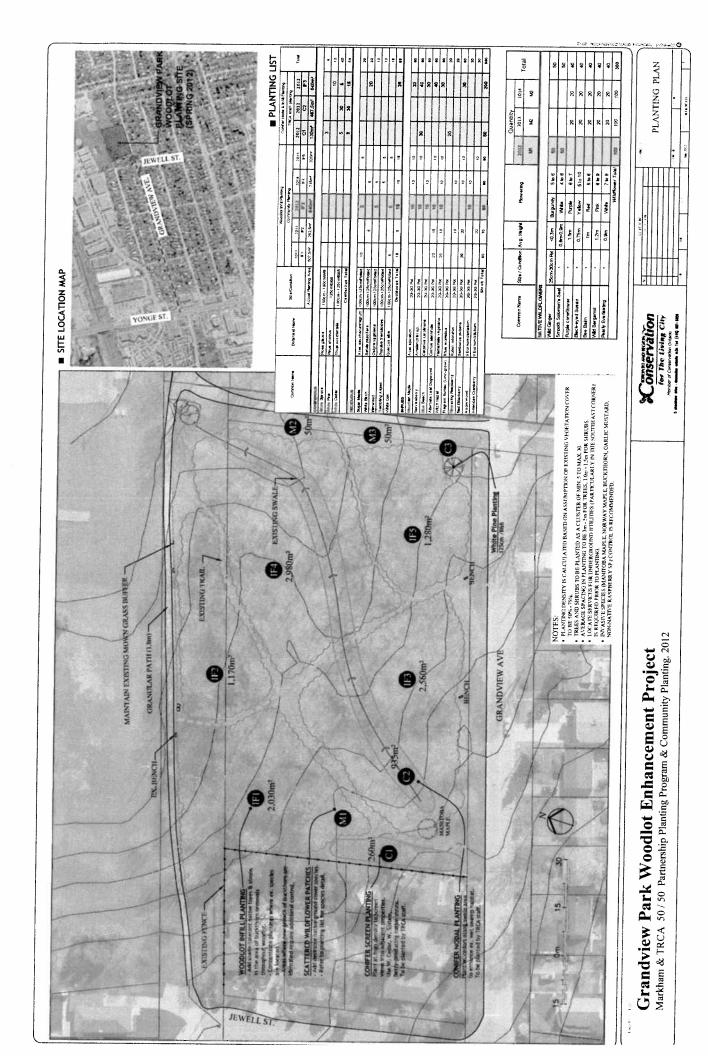
Restoration Planting with 3rd Unionville Scouts

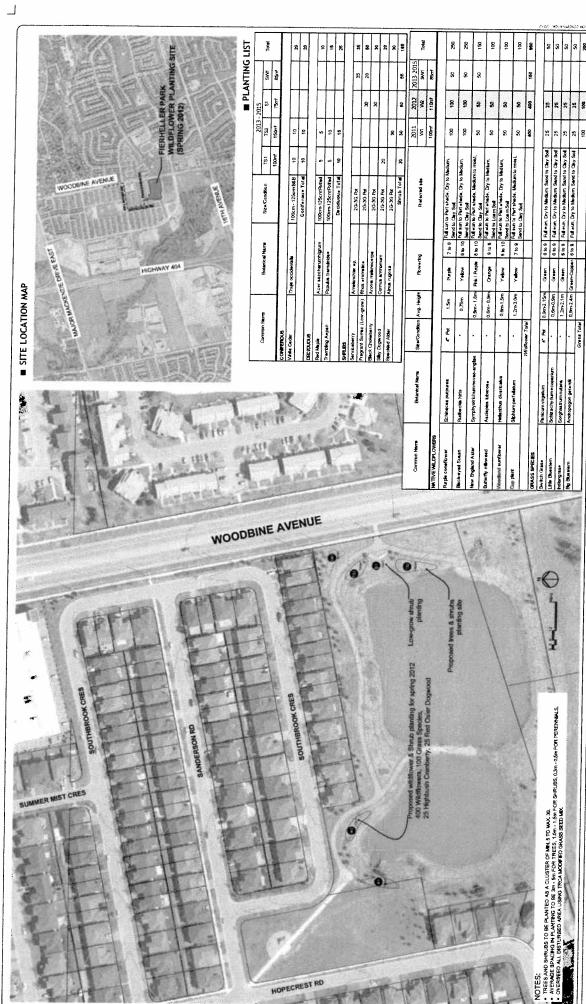


Restoration Planting with the Markham Heritage Lions Club



Community Restoration Planting

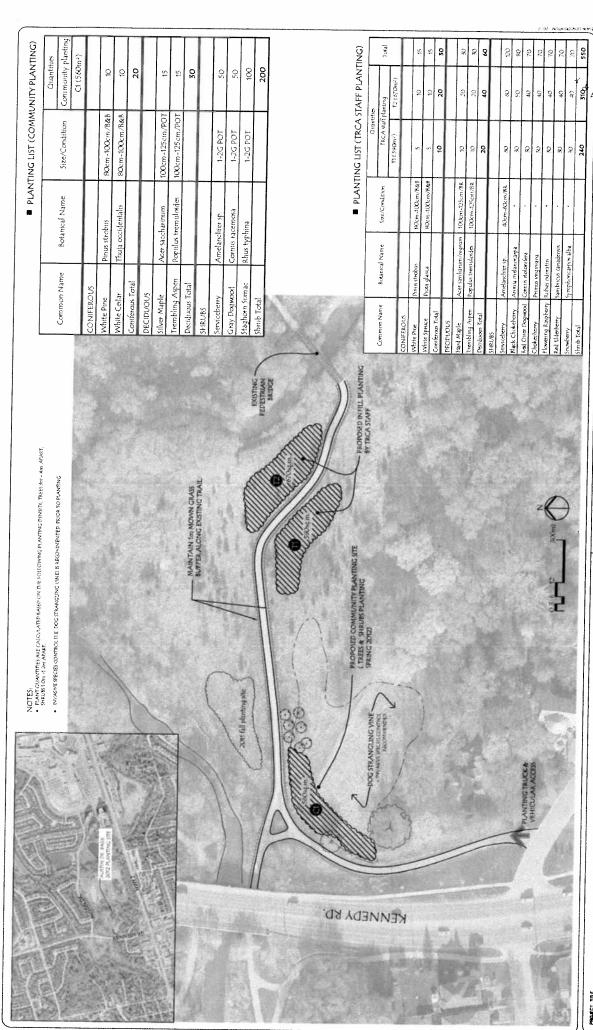




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PLANTING PLAN RVBOR DESCRIPTION Ž Ž

FIERHELLER PARK - WOODBINE STORMWATER POND Markham & TRCA 50 / 50 Partnership Planting Program & Community Planting, 2012



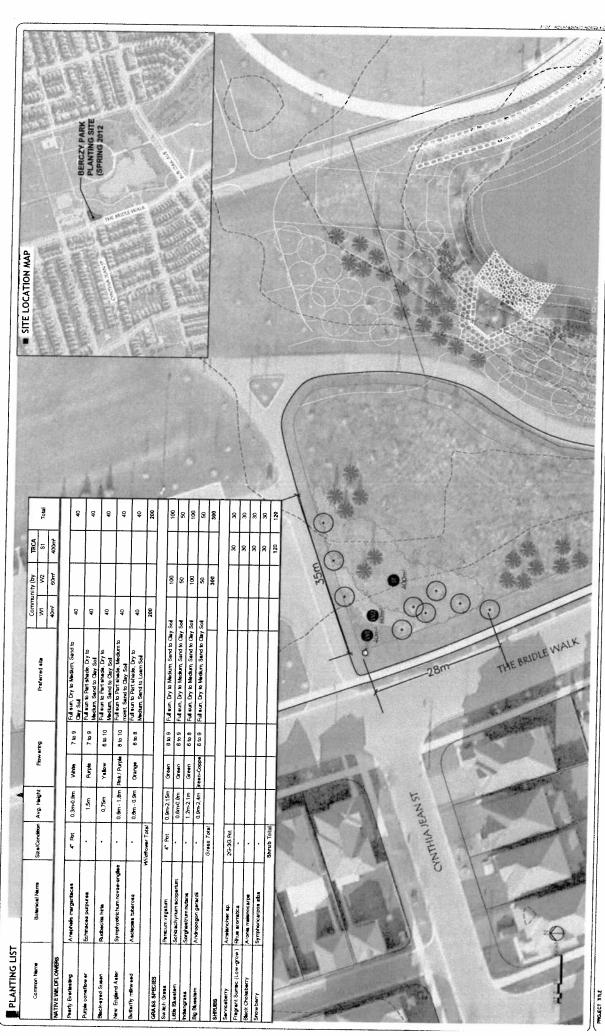
MARKHAM AUSTIN DR. PARK PLANTING Markham & TRCA 50/50 Partnership planting & community planting, 2012

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REVISIONS DESCRIPTION

HO. DATE

Conservation



MARKHAM 50/50 PARTNERSHIP PLANTING PROJECT BERCZY PARK WILDFLOWER & SHRUB PLANTING, SPRING 2012

A Lanting plan

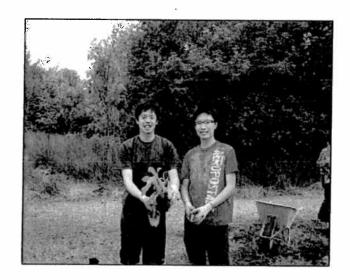
4 4

Conservation

Attachment 3:
2011 *Trees for Tomorrow* Photo Highlights







Application Form

For Office Use Only - Project No.:

Group Info	ormation		
Name	LEAF - Local Enhancement & Appreciation	on of Forests	
Address	Artscape Wychwood Barns, 601 Christie		ON M6G 4C7
Phone	416-413-9244	Fax	416-413-1073
Email	info@yourleaf.org	Website Address	www.yourleaf.org
Charitable, (if applicat	/Non Profit Organization registration # ple)	Our Group has a borganization	ank account in the name of our
86953 68	05 RT0001	Yes	

Briefly describe what your group does:

LEAF is a not-for-profit organization dedicated to the protection and improvement of our urban forest. Since 1996, LEAF has actively engaged residents in urban forest stewardship through planting, education and training. We envision a city that is healthier because every citizen cares for the urban forest. To accomplish this, we have set a mission to raise public awareness, foster a sense of ownership, engage diverse communities, provide educational tools and resources, and facilitate urban forest stewardship in York Region and Toronto. LEAF's key programs in the Town of Markham include the following:

Subsidized Backyard Tree Planting Program – This program provides hands-on assistance to residents who want to plant a tree in their backyard. LEAF helps property owners select appropriate native species and planting locations. We also provide extensive education and tree care information in order to encourage proper stewardship. Program participants pay a portion of the cost (approximately \$150-220 per tree). This includes a 45 minute on-site consultation with a certified arborist, a 5 to 10 foot tall tree and full planting service. Property owners agree to provide tree care as instructed. A variety of native shrubs, as well as Native Garden Kits and Edible Kits are also available for purchase.

Tree Tenders Training – This multi-day course is designed for individuals who want to gain tree-related knowledge and skills. Each session provides basic arboriculture training which includes a combination of indoor and outdoor instruction. The final day of the course includes a group tree planting, putting the knowledge learned to practice.

Tree Tours – LEAF's Tree Tours are guided walking tours that highlight trees of interest in a neighbourhood and may also incorporate history, culture or personal stories.

LEAF also attends many community events each year in order to reach out to various communities, and offers workshops and presentations to a wide array of audiences.

Projects Contact			
Name	Melissa Williams	Name	Janet McKay
Title	Manager, Residential Planting Programs	Title	Executive Director
Phone (work)	416-413-9244 ext.11	Phone (work)	416-413-9244 ext.17
Phone (home)		Phone (home)	647-883-5777
Email	melissa@yourleaf.org	Email	janet@yourleaf.org
Project Summar			
Title		Backyard Tre	ee Planting Program
Location of Pi	roject		kham – residential properties
Name of Regi	stered Owner of the Lands	Various	
Address of Re	gistered Owner of the Lands	-	
Contact Name	for Registered Owner of the Lands	•	

Phone # Registered Ov	vner of the Lands		Duration (mor maximum 12 i	, ,	12 months
Request for	Spring Funding <u>X</u>	Fall Funding	_X_	Either	
Start Date of Project	March 2012	End Date	December 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 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 attached document

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, plant list and planting plan)
- 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 MTTF 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 document

Please also provide a cost sum provide details of the costs)	mary including (please use	attached budget forms on pages 4 and	d 5 to this application to
Total Project Cost	\$97000	Amount requested from the MTTF	\$30000
Amount from other sources	\$67000	In- Kind support hours	

BUDGET FORM – HUMAN RESOURCES (Volunteers)

	Det	ails	
Service	Number of People	Estimated Time for Each hour)	In- Kind Value (in hours worked)
(e.g. Volunteer planters)	10	10	100
			· · · · · · · · · · · · · · · · · · ·
The second secon			
			1.71
	Total		

BUDGET FORM

Materials, Supplies	and Equipment		Cost			
		# of units	Unit Cost \$	Total Cost \$	MTFT	Other
	7					
						<u> </u>
		<u> </u>		-		
				-		
		<u> </u>				
ther Expenses						
e.g. Printing Brochures)		100	0.50	50.00	25.00	25.00
						,
				<u> </u>		
	7-1-1					
	Total	L				
low did you organiz	ration hear about	t the MTTE?	(Dloggo shoots	\na\		
own Website	Newspaper adverti	sement	Word of mou	ith	Other	<u>X</u>
Ipon completion of this P	Project please submit	Vour project =	anort ac well a	c original invet-	oc photos	rose=4:1
arks Planner, Operations	Toyett please submit 5. Town of Markham	. your project it 101 Town Cer	tport, as well as	ongindi involo Markham Onto	es, priotos and	records to
05-477-700 ext.3226 Fa	x 905-940-1550. Pho	otos may be no	sted on the Tov	markhani, Onle vn's wehsite	1110, LJR 3003. I	cichiione
		po		THE THEODILL.		

Applicant's Signature

I hereby make application for funding from the Markham Trees for Tomorrow 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:

- 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 Trees for Tomorrow 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 MTTF recipient.

Signature

Title Executive Director

Printed Name

Janet McKay

Date February 13th, 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 Trees for Tomorrow Fund

Photo Consent and Release Form

I,	hereby permit and authorize the
${ m I}$ acknowledge and agree that the Town may publish or use the ${ m i}$	mage 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).

	ontact In	forma	tion		
Signature	 Date	······································	a rt v	· · · · · · · · · · · · · · · · · · ·	
Address					
Town	Province			Postal Code	The state of the s
Telephone			Email		
Town of Markham:					
Town Representative	Date				

LEAF's Backyard Tree Planting Program - MTTF Fund Application 2012

Overview: Purpose and Objectives of Project

Our Backyard Tree Planting Program offers residents of the Town of Markham an accessible, affordable and convenient means of planting more trees and shrubs in their yard. By providing participants with on-site advice from qualified staff, as well as delivery and planting of trees and shrubs at subsidized prices, we remove the barriers that might otherwise prohibit individuals from greening their yard. The program is designed to ensure that the right tree gets planted in the right place, thereby leading to the establishment of large-growing native trees whose dense canopies can provide demonstrable, widespread and lasting environmental benefits for the community, including:

Direct absorption of carbon dioxide and production of oxygen. A single mature tree can absorb carbon dioxide at a rate of 48 lbs./year and release enough oxygen back into the atmosphere to support two human beings (McAliney, Mike. Arguments for Land Conservation: Documentation and Information Sources for Land Resources Protection, Trust for Public Land, Sacramento, CA, December, 1993). Over a 50-year lifetime, a tree generates \$31,250 worth of oxygen, provides \$62,000 worth of air pollution control, recycles \$37,500 worth of water, and controls \$31,250 worth of soil erosion (USDA Forest Service Pamphlet #R1-92-100).

Reduce energy demand for summer air conditioning, thus reducing greenhouse gas emissions. Air conditioning can be as high as 50 percent of residential electricity usage during the summer months (Toronto Hydro). In addition, the timing of heavy residential electrical requirement for AC (mid- to late-afternoon) is concomitant with commercial and industrial sector usage. These overlapping time-of-day demand periods cause many of the peak demand loads experienced by utilities during hot days, which are satisfied through coal burning electricity plants. Strategic placement of shade trees on a residential property has been shown to play an important role in inhibiting the heating of buildings. This has the direct influence of naturally moderating indoor air temperatures on hot days and, therefore, reducing the requirement for air conditioning. Research conducted by Akbari has shown that three strategically placed trees can reduce household energy demand by as much as 40% in Toronto homes.

Reduce energy needed to treat and transport stormwater. The diversion, storage and treatment of stormwater consumes huge amounts of energy and results in significant greenhouse gas emissions. Urban trees and vegetation can play a significant role by intercepting rainfall and facilitating infiltration rather than runoff. Research by the US Forest Service shows that in a 1 inch rainstorm over 12 hours, the interception of rain by the canopy of the urban forest in Salt Lake City reduces surface runoff by about

11.3 million gallons, or 17%. These values would increase as the canopy increases (American Forests, "How Trees Fight Climate Change", 1999).

Improve air quality through interception of particulate matter and absorption of air pollutants. Tree leaves transpire constantly, absorbing air pollutants such as nitrogen oxides, sulphur dioxide and ground level ozone. Research has shown that there is up to a 60% reduction in street level particulates with trees and that one sugar maple along a roadway, with a trunk diameter (dbh) of 12 inches, removes in one growing season 60mg cadmium, 140 mg chromium, 820 mg nickel, and 5200 mg lead from the environment (Dr. Kim Coder, University of Georgia, 1996.)

Help Markham residents adapt to climate change through reduced ambient air temperatures and moderation of the heat island effect. By reducing ambient air temperatures through shade and evapo-transpiration, urban trees make our neighbourhoods cooler and liveable. Hard surfaces such as pavement and buildings heat up all day under the hot sun, then release that heat at night. By shading hard surfaces, trees help reduce this effect and help keep daytime and night time temperatures lower. By lowering the temperature, trees also help prevent the formation of air pollutants such as ground level ozone, which rely on sunlight and heat for their formation.

Help defend Markham's urban forest against the Emerald Ash Borer. The Emerald Ash Borer (EAB) is an introduced insect pest from Asia that feeds on and kills all species and sizes of ash trees, and thus presents a serious threat to our urban forest. EAB was first discovered in York Region in 2008, and infestation has since been confirmed in the Town of Markham. It is expected that the Region will lose nearly all of the estimated 2,800,000 mature ash trees growing in the area within the next ten to fifteen years. During arborist consultations for our Backyard Tree Planting Program, LEAF can help homeowners identify ash trees on or near their property and provide them with information on their options for treatment/removal and replanting. Our subsidized program offers Markham residents an easy and convenient way to replace those trees that have been or will be lost to EAB infestation, thereby helping to maintain the overall urban forest canopy.

By providing these and many other environmental, economic and social benefits, the trees planted through our project support the Town of Markham's sustainability policies. Our Backyard Tree Planting Program will help residents of Markham work towards achieving many of the twelve priorities outlined in the Town's Greenprint Sustainability Plan (2011), most obviously Ecosystem Integrity, but also Energy and Climate, Individual Health, Education and Skills, Water Efficiency and even Food Security (with our new Edible Kits for 2012).

The aims of our Backyard Tree Planting Program are achieved through the following four steps:

- 1) Pre-visit questionnaire to ensure that the property owner qualifies for the program, has adequate space, realistic expectations and is committed to caring for the tree long term.
- 2) Site consultation with an arborist to determine appropriate species and planting locations together with the homeowner (giving consideration to light, soil, space, conflicts, future changes to the yard, neighbouring properties and homeowner preferences). The consultations present an opportunity to provide information about EAB, inform ash tree owners of their options for treatment and/or removal, and emphasize the importance of replacement tree planting.
- 3) Planting by LEAF professionals in spring or fall.
- 4) Follow up questionnaire to assess participant satisfaction and/or follow-up visit to assess tree health.

Proper tree care is emphasized throughout all four steps of our Backyard Tree Planting Program. Homeowners are encouraged to take responsibility for the health and protection of their trees, and as a result, often become enthusiastic stewards of other trees in their yard and/or of the urban forest on a larger scale. LEAF also provides ongoing support to program participants, answering any questions that may arise regarding their trees and performing regular monitoring and evaluation of plantings. Due to these efforts, our residential plantings result in high tree survival rates (greater than 90% four years after planting).

With financial support from York Region and the Town of Markham, LEAF has offered trees, shrubs and Native Garden Kits through its Backyard Tree Planting Program in Markham since 2008. We have reached 233 homeowners and conducted 210 yard consultations in the Town during that time, which has resulted in the planting of 367 trees, 268 shrubs and 2 Native Garden Kits (which include shrubs, perennials, and garden design plans). Based on post-planting surveys completed by 21% of 2011 participants, most individuals chose LEAF's programs because the arborist consultation, environmental focus of our organization, and subsidized prices appealed to them. All participants who completed the post-planting survey in 2011 indicated that they would recommend our Backyard Tree Planting Program to others, and all found the program convenient.

Due to this positive feedback, we feel that there continues to be significant demand for LEAF's planting programs in the Town of Markham, and are confident that the perpetuation of this project will produce even more satisfied participants who recognize the importance of caring for their trees and shrubs for years to come, resulting in a lasting benefit to the community.

Our project will accomplish the following:

- ✓ Involve 165 households
- ✓ Conduct 165 yard consultations to determine "right tree for the right place"

- ✓ Deliver educational messages to 165 households on importance of proper tree care and the environmental benefits of the urban forest
- ✓ Plant 280 native trees
- ✓ Plant 230 native shrubs
- ✓ Deliver 5 Native Garden Kits
- ✓ Conduct on-site evaluations of 50 previously planted trees and shrubs in Markham
- ✓ Profile 5 past-participants including interviews and photos
- ✓ Provide a tree care guide to all participating households
- ✓ Provide addresses and species for all trees/shrubs planted
- ✓ Provide testimonials, photographs and other information as needed to promote the project

In addition to our Backyard Tree Planting Program, LEAF will be offering Markham residents many exciting opportunities to learn about and help protect and improve their urban forest in 2012. Our Tree Tenders Volunteer Training Program will be held in September at the Rouge River Community Centre. This multi-day course is designed for individuals who want to gain tree-related knowledge and skills, and provides basic arboriculture training through a combination of indoor and outdoor instruction. In addition, LEAF will be hosting at least two Tree Tours in Markham this year. These popular guided walking tours highlight trees of interest in a neighbourhood and may also incorporate education on issues such as Emerald Ash Borer. LEAF is also planning to assist the Town of Markham with two of its stewardship events this year. Graduates of our Tree Tenders program will be on hand to demonstrate proper mulching techniques and assist volunteers during these events.

Proposed Timeline 2012

Throughout	Project promotion; evaluation, monitoring and verification
January – February	Update designs for existing Native Garden Kits (bird and butterfly) and create new Native Garden Kit for shady yards; create new Edible Kits; update website and siting binder with profiles for new species offered; send out spring BYTP newsletter to all current and past participants with seasonal tree care tips and information about new product offerings
March-December	Respond to program inquiries; process pre-planting surveys for new participants; schedule consultations and carry out consultations in backyards with homeowners; process orders for trees, shrubs and kits
April – May	Devise efficient planting routes; make notification calls to participants (informing them of planting date); carry out delivery/planting
June - August	Order nursery stock for fall planting season; schedule and carry out

	follow up visits of previous plantings to evaluate tree health and provide personalized care tips for homeowners
September- November	Devise efficient planting routes; make notification calls to participants (informing them of planting date); carry out delivery/planting
November	Send out participant feedback surveys
December	Final project report

Description of the Project Team

Janet McKay, Executive Director – Overall project direction

Melissa Williams, Manger, Residential Planting Programs – Project management and development

Mat Laporte, Assistant, Residential Planting Programs - Client communications, scheduling and project administration

Andrea Bake, Field Operations Supervisor – Site consultations, education and field supervisor

Erin Silverstein, ISA Certified Arborist - Site consultations

Mark Sherman, Consulting Arborist – Site consultations

Kyle Ferguson, Manager, Marketing and Communications – Promotions, Marketing and Design

Maintenance and Monitoring of Project after Completion

In order to ensure that the trees planted through our program have the best possible chance at reaching maturity and providing maximum environmental benefits in the urban environment, we work with our participants to provide ongoing care, maintenance, and monitoring of the trees we have planted. This is accomplished by the following:

Participants pay a portion of the cost for their tree and provide ongoing care and maintenance. Although our program is subsidized, homeowners do pay for a portion of their tree and with this financial investment become committed to caring for their trees and ensuring they have the best possible chance at reaching maturity.

Tree care education is an integral part of our program. From the time an individual completes a pre-visit questionnaire to sign up for the Backyard Tree Planting Program through to the time of planting (and bi-annually thereafter through our client newsletter), proper preventative tree care methods are emphasized through one-on-one education. We provide homeowners with a package of printed material during the site consultation, as well as a tree care booklet at the time of planting. These include the "do's and don'ts" on watering, mulching, staking, fertilizing and pruning. Through

these communications, we do our best to ensure that each participant becomes a dedicated steward of his /her trees and shrubs and of the urban forest in general.

LEAF provides ongoing support for participants. We let our participants know that they can contact us by telephone or e-mail at any time with questions or concerns they may have about their trees and shrubs. Our website contains a section dedicated to client resources, and provides homeowners with general tree care fact sheets and videos, as well as a portal through which they can request advice from one of our arborists. If needed, we will also perform a special site visit. LEAF also offers presentations, workshops and Tree Tender training sessions that can provide further education for interested individuals.

Follow up evaluations confirm sound tree health and high survival rates. Each summer, our arborists conduct as many follow up visits of past plantings as possible. These evaluations use indicators of health developed by Dr. Andy Kenney, University of Toronto, and are used for ongoing monitoring, evaluation and improvement of our planting programs. We receive participant permission prior to conducting the follow up visits, and share results and personalized advice with homeowners upon completion of the evaluations. In addition, we recently engaged a Ryerson student to conduct an independent survival study. Using aerial photos and our client database, she looked at 577 trees planted by LEAF between 1997-2000 and found an 80% survival rate. It is likely that survival rates for trees planted more recently (2001 and later) are even higher, since our site criteria have become more strict and our educational offerings more extensive.

Measurable Benefits of the Project

Indicators of Success

- ✓ Number of trees and shrubs planted tracked through participant database
- ✓ Satisfaction of participants and success of educational messaging measured through post planting questionnaires/interviews
- ✓ Survival rates and health assessments of trees planted measured through follow up site visits

We will estimate greenhouse gas reductions and other positive environmental impacts using the Ontario Residential Tree Benefits Estimator (ORTBE) that has been developed for LEAF by Dr. Andrew Millward (Ryerson University, Geography Department). This interactive, web-based tool will be launched publicly in spring 2012. It will be hosted online at www.yourleaf.org and may be accessed free of charge by anyone visiting the website. For the purposes of this project, the ORTBE will be an effective tool for measuring the following benefits provided by the trees we have planted:

- Conserved energy (kWh);
- Instantaneous demand savings (kW);

- Sequestered/avoided carbon dioxide (CO2);
- Stormwater runoff mitigation (m3);
- Air pollution removed (kg);
- and Tree replacement value (\$).

Long term success will be measured through our ongoing monitoring and evaluation. We will maintain a database that includes detailed information on the location and health of all trees planted. We will collect data on site conditions, planting conditions, tree health when planted, tree health several years after planting, homeowner satisfaction and homeowner engagement in tree care. As a result, we can effectively adapt our program as necessary to meet homeowners' needs and to ensure a high survival rate of the trees we are planting.

Changes in awareness and behaviour will continue to be monitored through our preand post-planting questionnaires. These monitoring devices currently in place as part of our Backyard Tree Planting Program measure for motivations for planting, understanding of energy savings provided by strategically placed trees, understanding of need to support green infrastructure, homeowner engagement and willingness to care for trees on private and public property.

Promotion of MTTF Fund

LEAF is committed to ensuring a mutually beneficial relationship between itself and its partners. We will provide the opportunity for recognition of all supporting partners in publications and communication materials. We will also seek media coverage of the project, recognizing Markham's contribution to the success of the program.

Specific recognition will include:

- ✓ Acknowledgement in LEAF annual report
- ✓ Acknowledgement in the LEAF e-newsletter which currently reaches over 3000 individuals
- ✓ Recognition on LEAF web site which receives over 4500 unique hits per month
- Recognition on LEAF print material distributed at all events, workshops and to Backyard Tree Planting Program participants
- ✓ Recognition in press interviews whenever possible
- ✓ Social media presence through Facebook and twitter
- ✓ Invitation to special LEAF events including our annual celebration
- Recognition at LEAF annual general meeting
- ✓ Use of LEAF name and logo in the Town of Markham promotional/educational materials (terms and conditions to be negotiated)
- ✓ Articles and other written/photographic content as requested by the Town Markham (terms and conditions to be negotiated)

Other Funding Sources/In-Kind Support

Other funding sources include:

York Region - \$15000 Ontario Power Generation - \$10000 Project Revenue (program participant fees) - \$37000 In-kind - \$9000

See attached budget for details.

Educational Sign Component

We will display temporary lawn signs in front yards of participants' homes, following their consultation. These signs are an easy way for participants to promote the program in their neighbourhood. They read, "We're planting a tree in our backyard...Get yours today!" and direct individuals to the LEAF website to find out more about our Backyard Tree Planting Program and about our partners. Signs are then picked up from the participants at the time of planting.

Proposed Budget - LEAF's Backyard Tree Planting Program - Markham 2012

				Client		
			Ontario	Fees		
Item		York	Power	(project		
ct Management - hiring training and management of the	MTFT	Region	Generation	revenue)	Total Cash In-kind	In-kind
partnership development, communications, promotions, media, financial						
management, progress reports to LEAF Board and funders		4900	4900		0800	
Conce coordination (responding to inquiries, registration, consultation bookings, route planning, order and payment processing, planting notification calls, planting					2000	
scheduling, ongoing client communication, database management, record keeping						
Yard consultations with property owners	0009	5400	009		12000	
Planting	6500	4700		1800	13000	
Follow-up/data collection analysis and reporting	90/9			00/9	13400	
IT systems and web improvements			2500		2500	
Communications/brinting/advartising			1000	1500	2500	
Equipment costs			1000	3000	4000	
Plant materials (with taxes, delivery)				800	800	
Transportation (site consultations)	8300			8400	16700	
Transportation (planting)	1000			1000	2000	
Tree storage space (in kind)	1500			2000	3500	
Educational materials						4000
Promotions (in kind from partners)				2200	2200	
Office rent						5000
Insurance				4800	4800	
Bookkeeping				1200	1200	
Office expenses (phones, printer cartridges, etc.)				3000	3000	
				009	009	
Totals						
	30000	15000	10000	37000	92000	0006

\$328 - average per-tree cost to deliver program

\$196 - per tree subsidy \$132 - average per tree cost to homeowners

280 trees

165 homes

average 1.7 trees and 1.4 shrubs per home