

Report to: Environmental Issues Committee
Report date: April 8, 2015
Subject: Markham Trees for Tomorrow Fund, Funding
Recommendations - Spring 2015
Prepared by: Nory Takata, Parks Planner – Operations Department
Community and Fire Services Commission, Ext. 3226

Recommendation:

1. That the funding application for 10,000 Trees for the Rouge in the amount of \$19,000, for their 26th Annual Wildlife Habitat Restoration Project in the South-east section of Milne Park be approved;
2. And that the funding application for Friends of the Rouge Watershed in the amount of \$15,000 to support their 2015 Habitat Restoration Project in the South-east Section of Milne Park be approved;
3. And that the funding application for Evergreen in the amount of \$24,000, for their Urban Stewards: Community Greening Initiative, be approved;
4. And that the funding application for LEAF (Local Enhancement and Appreciation of Forests) in the amount of \$23,000 to support LEAF's Backyard Tree Planting Program be approved;
5. That the total amount of \$81,000 be funded from the 2015 Markham Trees for Tomorrow Capital Project account #700-101-5399-15224;
6. That staff be authorized and directed to do all things necessary to give effect to these recommendations.

Discussion:

The purpose of this report to the Environmental Issues Committee is to provide funding recommendations for the 2015 spring funding cycle of Markham's Trees for Tomorrow Fund.

Over the eight years of Markham's Trees for Tomorrow Program (2007 – 2014), more than 280,000 trees have been planted in the City. The program has helped to promote additional tree planting in a variety of contexts including maintained park areas, habitat restoration and naturalization sites, as well as capital projects with suitable tree planting sites. In terms of numbers, the greater majority of trees planted as a direct result of the program have been in the larger scale restoration plantings intended to create habitat and increase forest cover. Most of these plantings have involved the participation of volunteers from across the community, both for the planting of trees and for post-planting stewardship work. Although impressive, total volunteer hours contributed represents only a partial measure of the full value of this level of community engagement or support.

Forest Coverage in Markham has increased from 2009 – 2013

A recent assessment of forest cover conducted by York Region staff revealed that forest cover for Markham had increased by 78 hectares (193 acres) over the period from 2009 to 2013. While further assessment would be required for accurate corroboration, it would be reasonable to ascribe at least some of this net gain of forest cover to projects supported by the Trees for Tomorrow Program over the first two years of its existence. The next scheduled forest cover assessment in 2019 will serve as a better measure of overall success for the program. It should be noted that Markham's increase in forest cover over this period ranked second of all regional municipalities. In addition to increasing the City's overall canopy cover, this measure will help towards achieving the goal of 25% forest cover by the year of 2031 for the whole of York Region and all three of the Ecosystem Integrity objectives:

- Increase biodiversity
- 30% tree canopy and vegetative cover
- Support and develop wildlife habitat

as defined in the Greenprint Sustainability Plan.

Community engagement is critical to the success of the program

In aggregate, the four project submissions continue to build upon the Trees for Tomorrow Program's many successes that are the direct product of effective partnership, resource leveraging and invaluable support from a highly engaged community. The immediate or short term benefits of these projects include: increasing the extent, native diversity and ecological function (services delivered) of Markham's Urban Forest. While extremely important, increased levels of tree planting activity alone cannot ensure that the overall health, canopy metrics and resilience of Markham's Urban Forest will increase in parallel fashion year over year. Community support is essential for the preservation, protection and enhancement of all of our natural assets and, in the case of the urban forest, most critically so. In this context, it is important to reiterate that public education and community engagement is a key component of each of the four project plans.

Trees for Tomorrow Program has been a success

As recommended, the combined total for the four funding applications represents a total commitment of \$81,000 from the Trees for Tomorrow Fund to support projects with a combined value in excess of \$206,300 plus \$87,161 worth of in-kind services upon completion. Collectively, these tree planting initiatives demonstrate the means by which the Trees for Tomorrow Program has achieved success on many levels, well beyond exceeding the ambitious tree planting targets.

Trees for Tomorrow Funding for 2015

The following chart shows the recommended expenditures from the 2015 Markham Trees for Tomorrow capital budget (account 700-101-5399-15224):

Markham Trees for Tomorrow Funding 2015	
Markham Trees for Tomorrow Funding 2015 Approved Budget	\$120,000
Spring Funding Recommendations for 2015	
10,000 Trees for the Rouge – 26 th Annual Habitat Restoration Project	\$19,000
Friends of the Rouge Watershed - Habitat Restoration Project	\$15,000
Evergreen – Urban Stewards: Community Greening Initiative	\$24,000
LEAF – Backyard Tree Planting Program	\$23,000
Total	\$81,000
Markham Trees for Tomorrow: Funds Remaining	\$39,000

**Funds remaining will support community tree planting projects and Trees for Tomorrow events in the Fall and other Trees for Tomorrow projects*

Project Summary

1. 10,000 Trees for the Rouge: 26th Annual Habitat Restoration Project, requesting \$19,000 (Appendix 1)

10,000 Trees for the Rouge's 26th Annual Habitat Restoration Project will help to restore woodland habitat, increase tree canopy and native species biodiversity within the Rouge Watershed in the south east section of Milne Dam Conservation lands. This planting will help to restore approximately 5 acres of woodland habitat, increase tree canopy and enhance native species biodiversity through the planting of 5,500 native trees and shrubs. This annual tree planting event attracts over 2,000 volunteer participants in a given year, the value of which is not adequately measured by monetisation.

Deliverables include:

- Increase area of significant woodlands, biodiversity and connect forest fragments;
- Offset tree canopy loss due to Emerald Ash Borer in Milne Park lands;
- Displace invasive, non-native vegetation; and
- Engage more than 2,000 community volunteers; enrich volunteer experience with education.

A detailed project description and budget are appended for review. The total project cost is \$145,595 and the amount requested from the Trees for Tomorrow Fund is \$19,000.

Requested funding of \$19,000 from the Markham Trees for Tomorrow Fund would be allocated as follows:

• Native Trees and Shrubs	\$ 8,550
• Supplies, planting equipment, tools & transportation	\$ 6,150
• Food for Volunteers	\$ 600
• Follow up monitoring, maintenance and infill planting	\$ 2,000
• <u>Event support, promotion and safety measures</u>	<u>\$ 1,700</u>
Total	\$19,000

Recommendation: that the funding application for 10,000 Trees for the Rouge in the amount of \$19,000 to conduct their 26th Annual Habitat Restoration Planting Project be approved.

2. Friends of the Rouge Watershed Habitat Restoration Project, requesting \$15,000 (Appendix 2)

Friends of the Rouge Watershed's Habitat Restoration Project will help to restore almost 1 hectare of forest cover in the South east portion of Milne Park directly adjacent to the Highway 407 corridor. Over time, this buffer planting will eventually link up with 10,000 Trees planting to the north to establish a significant woodland habitat area.

Deliverables include:

- Plant 2,100 native trees and shrubs; 1,000 native wildflowers and sow 20 kg. of native wildflower seed;
- Involve 500 Markham students through a series of planting events, with educational component included; and
- Provide follow up maintenance, monitoring and invasive species removal upon completion of spring planting season.

A detailed project description and budget are appended for review. The total project cost is \$41,000 and the amount requested from the Trees for Tomorrow Fund is \$15,000.

The requested funding of \$24,000 from the Markham Trees for Tomorrow Fund would be allocated as follows:

• Native trees and shrubs	\$ 5,500
• Native wildflowers & seed	\$ 1,200
• Event support, promotion, safety	\$ 4,300
• Volunteer education	\$ 1,000
• Transportation	\$ 400
• <u>Project Mngmt./Maintenance</u>	<u>\$ 2,600</u>
Total	\$ 15,000

Recommendation: that the funding application for Friends of the Rouge Watershed in the amount of \$15,000 to support their 2015 Habitat Restoration Project be approved.

3. Evergreen: Urban Stewards - Community Greening Initiative, requesting \$24,000 (Appendix 3)

Evergreen has helped to build and sustain volunteer participation as a partner through the Trees for Tomorrow Program. In this role, Evergreen has increased our capacity to conduct Community Planting Events and provide key after care maintenance through additional stewardship events when the spring planting season has concluded. The stewardship activities have been expanded to include invasive species removals or control measures (seed head removal) to help reduce the local impacts and spread of these species in some key watershed areas. An educational component helps to enrich the volunteer experience at all events.

Deliverables include:

- Plant 700 native trees and shrubs, 250 native wildflowers and support all aspects of a minimum of 4 spring / fall planting events;
- Organize and support 5 to 6 Volunteer Stewardship Events;
- Involve 300+ volunteers; and
- Continue to increase volunteer base that is also reflective of Markham's diversity;

The plantings and events will take place at Austin Drive Park, Berczy Park, Milton Fierheller Park and the south-west ponds located at the termination of Denison Street, east of Markham Road. A detailed program description and budget are included for review (Appendix 2). Total project cost is \$45,000 and the amount requested from the Trees for Tomorrow Fund is \$24,000.

The requested funding of \$24,000 from the Markham Trees for Tomorrow Fund would be allocated as follows:

• Native trees, shrubs & wildflowers	\$ 6,625
• Volunteer supplies, refreshments	\$ 1,510
• Transportation	\$ 1,705
• <u>Project Coord./Mngmt.</u>	<u>\$ 14,160</u>
Total	\$ 24,000

Recommendation: that the funding application for Evergreen in the amount of \$24,000 to continue with the Urban Stewards: Community Greening Initiative for 2015 be approved.

4. LEAF: Backyard Tree Planting Program – requesting \$23,000 (Appendices: 4A, B & C)

LEAF is a well known and highly regarded non-profit organization whose subsidized Backyard Tree Planting Program is a high quality, full service tree planting program. Beyond the significant cost savings to residents, consultation with one of LEAF's certified arborist ensures that the species selection is appropriate for the site conditions and potential energy savings from reduced heating or cooling costs might be additional benefits resulting from the strategic placement of the tree and confirm LEAF's commitment to 'plant the right tree in the right place'.

As the rate of ash tree loss due to the Emerald Ash Borer continues to rise, this residential tree planting program will help homeowners replace privately owned ash trees at a reasonable cost. All homeowners are provided with a reference guide booklet about essential tree care and maintenance to help ensure the long term health and performance of their tree.

LEAF's Markham Tree Tours and Tree Tenders Volunteer Workshops serve both to promote their Backyard Tree Planting Program as well as to help increase the level of awareness, appreciation and engagement of the community in support of our efforts to enhance Markham's Urban Forest.

Deliverables include:

- 165 household consultations to ensure residents select ‘the right tree for the right place’;
- Provide education on tree care ‘best practices’ and benefits of the urban forest;
- Plant 280 native trees; 230 native shrubs and deliver 5 native garden kits;
- Organise and conduct Markham tree tours; and
- Offer Tree Tenders Workshop to Markham residents; support other Markham events.

LEAF’s application includes a detailed program description and budget for review. Total project cost is \$94,600 and the amount requested from the Trees for Tomorrow Fund is \$23,000.

The requested funding of \$23,000 from the Markham Trees for Tomorrow Fund would be allocated as follows:

• Office Coordination	\$ 4,500
• Yard Consultations	\$ 4,750
• Plant Materials	\$ 7,000
• Transportation	\$ 1,750
• <u>Planting</u>	<u>\$ 5,000</u>
Total	\$ 23,000

Recommendation: that the funding application for LEAF in the amount of \$23,000 to continue to offer the Backyard Tree Planting Program and related Urban Forest educational activities in 2015 be approved.

Attachments:

Appendix 1 (A, B & C) – 10,000 Trees for the Rouge 26th Annual Habitat Restoration Planting

Appendix 2 (A, B, & C) – Friends of the Rouge Watershed Habitat Restoration Project

Appendix 3 – Evergreen Urban Stewards: Community Greening Initiative

Appendix 4 (A, B & C) – LEAF Backyard Tree Planting Program

Appendix 1A

Application Form

For Office Use Only - Project No.:

Group Information			
Name	10,000 Trees for the Rouge		
Address	13, Dolan Drive, Palgrave, Ontario, L7E0E1		
Phone	905-880-9116	Fax	N/A
Email	cpc42@rogers.com	Website Address	www.10000trees.com
Charitable/Non Profit Organization registration # (if applicable) 87456 0303 RT0001	Our Group has a bank account in the name of our organization Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
Briefly describe what your group does: The mandate of 10,000 trees for the Rouge is the creation of wildlife habitat through the planting of native trees and shrubs. 10,000 Trees for the Rouge has been planting native trees and shrubs in the Rouge watershed for the past 24 years, many of those plantings occurring in Markham. The group, which is all volunteer, donates their time and efforts to restoring natural habitats to a high level of ecological function. The main planting event is held in late April, and attracts public participation of over 2000 community members, as well as media and political attention. Smaller plantings are carried out in the Fall, and consist primarily of maintenance plantings. Monitoring and maintenance of plantings continues through the growing season, and all sites are monitored until our Registered Forester declares that the planting is in a "free to grow" stage. Maintenance of past plantings is part of our system, but the amount of maintenance is entirely dependent on funding. To date, our group has been responsible for planting approx. 179,500 native trees and shrubs, helping to restore some 176 acres back to natural habitat.			
Project Manager		Additional Contact	
Name	Colin Creasey	Name	Marshall Buchanan
Title	Chairman	Title	Registered Professional Forester
Phone (work)	N/A	Phone (work)	613-649-2190
Phone (home)	905-880-9116	Phone (home)	613-649-2190
Email	cpc42@rogers.com	Email	moonlightcrofters@gmail.com
Project Summary			
Title	26th Annual Wildlife Habitat restoration project		
Location of Project	Milne Park Conservation Area, City of Markham		
Name of Registered Owner of the Lands	City of Markham		
Address of Registered Owner of the Lands	101, Town Centre Blvd., Markham, ON.		
Contact Name for Registered Owner of the Lands	Toronto Region Conservation Authority (contact: Nory Takata)		
Phone # Registered Owner of the Lands 905 477-7000- ext 3226		Duration (months, maximum 12 months)	7
Request for	Spring Funding \$19,000	Fall Funding	Either
Start Date of Project	April 1 st 2015	End Date	October 31 st 2015

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:

- ❖ Description of the Project Team
- ❖ Project overview and detailed project plan (include work plan with timelines; detailed site and planting plans; monitoring and follow up maintenance schedules)
- ❖ Identify and where possible quantify the environmental benefits associated with the project
- ❖ Who will maintain and monitor the project after completion? (please provide contact information)
- ❖ How will you promote the MTTF fund with this project?
- ❖ Describe other funding sources/in kind support
- ❖ Will there be an educational sign component? If so, please describe

Project Team - is composed of dedicated volunteers who represent a wide range of occupations, teacher, scout leader, landscape worker, business people, engineer, web designer, arborist, and a registered forester. Most have over 10 years, and some over 20 years, of experience in implementing these kinds of projects.

Public Relations Committee; Sponsors, and politicians at all levels, are invited to attend the event, and take part in the ceremonial tree planting. All the local media, print, radio, and television, are contacted approx. one month prior to the event, and again the week of the event. We often give interviews to the local media, where there is an opportunity to recognize the city of Markham, TRCA, and the Rouge Park.

Volunteer Committee A flyer for the event is designed and posted online, and mailed out digitally or by paper to approximately 900 planting volunteers on our mailing list. We are in the process of establishing a web base for our volunteers, so that we can reduce our reliance on paper in the future. The flyer is also sent to church groups, scouting groups, and schools, and is posted in local community centres and libraries.

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

Landscape Committee; Works with our forester on the design of the site. Once species are selected, then tenders with detailed tree specifications are sent to suppliers. The committee is responsible for organizing the stock on site, and ensuring that the trees and shrubs are distributed to the correct planting locations. Planting managers are trained in advance on proper tree planting techniques, and on planting day, they lead groups of volunteers to specific areas, and then both instruct the volunteers, 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 as necessary, and kept in working order. Safety services are looked after. St. John Ambulance is contacted, and police are hired to direct traffic. Portable washrooms are arranged, as well as a free lunch for the volunteers. At the end of the day, the committee is responsible for the clean up of the site.

Work Plan See Work Plan - Table 4

Site Plan Site Plan including Map and Species List (pages 8-9)

Environmental benefits; The trees that we plant will clean the air, and filter run-off water before it enters our rivers. By increasing forest cover, we will be encouraging the return of forest interior dwelling wildlife that has been extirpated from the area. This biodiversity will increase as the forest matures.

Maintenance; This is under the direction of our forester, Marshall Buchanan. His contact information is on the lead sheet.

Promotion of MTTF; This will be done through our flyer, (see under "Volunteer Committee", above), our site sign, and through photos taken on planting day being posted on their website. The local papers, and sometimes larger daily papers, often run articles and pictures of our event. Our own website also carries pictures and information, and acknowledges the support of Markham Trees for Tomorrow Fund.

Funding sources; See Source Contributions - Table 3

Educational signage; 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, a sign in each area indicates what plant species are being planted there.

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

Total Project Cost	\$145,595	Amount requested from the MTTF	\$19,000
Amount from other sources	\$126, 595	In- Kind support hours	6,329 hours

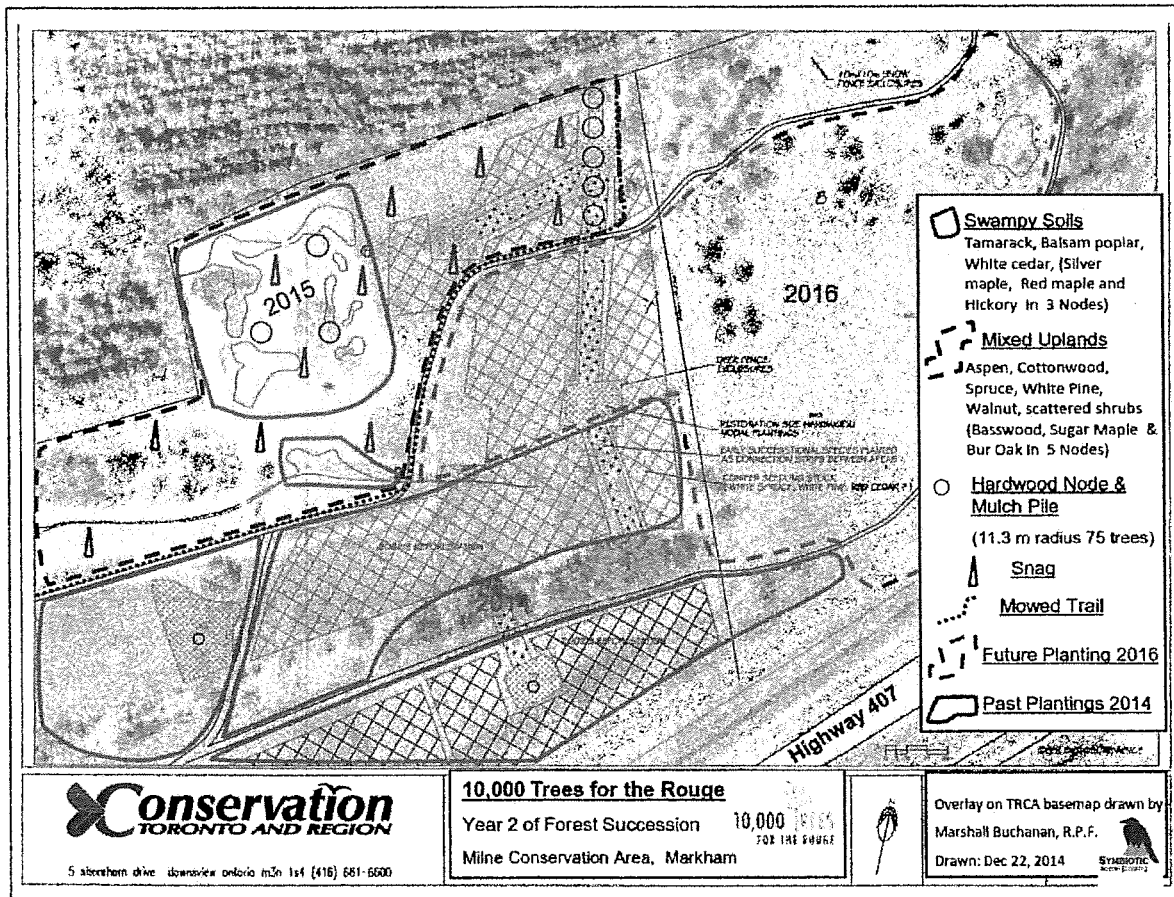
BUDGET FORM – HUMAN RESOURCES (Volunteers)

Service	Details		In- Kind Value (in hours worked)
	Number of People	Estimated Time for Each hour)	
(e.g. Volunteer planters)	10	10	100
Executive meetings	10	20	200
Training planting managers	25	2	50
Volunteers to plant trees	2000	2.5	5000
Volunteers to mulch trees	100	3	300
Accounting	1	24	24
Fundraising	4	40	160
Food preparation	8	10	80
Site preparation	35	10	350
Road and tree signs	5	4	20
Forestry consultant	1	65	65
Database/website management	2	40	80
Total			6,329

Appendix 1 B

2015 MAP AND PLANT LIST

(continued on next page)



05. 3. 2014-2014

Common Name	Latin name	Total per Species	Grand Total
Coniferous Trees (41%)			2,250
Eastern white cedar	<i>Thuja occidentalis</i>	150	
White Spruce	<i>Picea glauca</i>	700	
Tamarack	<i>Larix laricina</i>	350	
Eastern red cedar	<i>Juniperus virginiana</i>	550	
White pine	<i>Pinus strobus</i>	700	
Deciduous Trees (32%)			1,750
Cottonwood	<i>Populus deltoides</i>	500	
Aspen, largetooth	<i>Populus grandidentata</i>	500	
Basswood	<i>Tilia Americana</i>	150	
Red maple	<i>Acer rubra</i>	100	
Silver maple	<i>Acer saccharinum</i>	75	
Sugar maple	<i>Acer saccharum</i>	200	
Bur Oak	<i>Quercus macrocarpa</i>	150	
Bitternut Hickory	<i>Carya cordiformis</i>	50	
Black walnut	<i>Juglans nigra</i>	25	
Shrubs (27%)			1500
Sumac	<i>Rhus typhina</i>	400	
Chokecherry	<i>Prunus virginiana</i>	300	
Hawthorn	<i>Crategeus crus-galli</i>	250	
Serviceberry	<i>Amelancier laevis or canadensis</i>	250	
Nannyberry	<i>Viburnum lentago</i>	100	
Grey dogwood	<i>Cornus racemosa</i>	100	
Red Osier Dogwood	<i>Cornus stolonifera</i>	100	
Total			5,500

Applicant's Signature

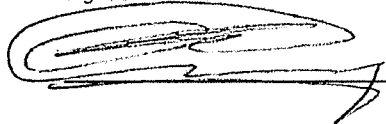
I hereby make application for funding from the Markham Trees for Tomorrow Fund, declaring that all information contained herein is true and correct and acknowledging that the City of Markham will assess this application based upon the information contained in this application.

If approved for funding I further acknowledge and agree:

1. to comply with all relevant policies and secure all permits required for this project and acknowledge that the City bears no responsibility or has any liability in any manner with respect to this project.
2. that the City reserves the right to review communications and communication materials to be presented to the public to ensure compliance with City policies, including the City's Communication Standards.
3. to promote the Markham 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 City of Markham to use the project name and any images associated with the project to promote the Markham Trees for Tomorrow Program.
5. to return all unspent funds to the City of Markham upon completion of the project.
6. that there shall be no personal benefit directly, or indirectly, from this funding and I will notify the City of any conflict of interest situation should it arise in carrying out of the project.
7. permit the City of Markham to claim ownership of all carbon credits and other measurable ecological services resulting from the project.

Signature

Title



Chairperson

Printed Name

Date

Colin Creasey

February 7, 2015

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

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

Personal information contained herein is subject to the Municipal Freedom of Information Act and the Personal

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

Protection and Electronic Documents Act. The information collected may be used for promotional purposes. Completion of this form constitutes consent by the applicant to these terms and uses.

Markham Trees for Tomorrow Fund


Photo Consent and Release Form

I, Colin P Creasey hereby permit and authorize the *(Print in full – first, middle initial & last name)*
City of Markham (the "City") to take my photograph/image.

I acknowledge and agree that the City may publish or use the image for any City purposes by any means whatsoever including, but not limited to electronic or digital means. I acknowledge that the 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 City harmless for any claims, actions, debts, damages, injuries or losses that may arise or be incurred as a result of the taking, use, publication or distribution of the image and I agree to indemnify the City against any third party claims, actions, damages, injuries or losses brought or assessed against or incurred by the Town for the use of the image(s).

Contact Information					
Signature			Date	February 7, 2015	
Address	13 Dolan Drive				
City	Palgrave	Province	Ontario	Postal Code	L7E 0E1
Telephone	905-880-9116		Email	cpc42@rogers.com	
City of Markham:					
City Representative		Date			

Appendix 2C

BUDGET FORM

Materials, Supplies and Equipment	Cost			MTFT	Other
	# of units	Unit Cost \$	Total Cost \$		
Toilets/Washstands	3 + 2		1050	300	750
Truck rental + gas	1	700	700	250	450
Buses for volunteers	8	350	2800	800	2000
Stakes	100	2.50	250	0	250
Water and irrigation supplies			100	0	100
Peat moss	25	15	375	0	375
Habitat structures	12	200	2400	800	1600
Shovels	50	15	750	250	500
Tree guards	2500	1	2500	1000	1500
Rope, and flagging tape	3 + 12	36 + 3	150	0	150
Deer fencing, 11.3m radius circles	4	1200	4800	2000	2800
Site preparation, (discing) and cover crop			250	0	250
Equipment rental			1500	750	750
Trees	4000	6.00	24000	7300	16,700
Shrubs	1500	2.50	3750	1250	2500
Maintenance contractor	1	2500	2500	700	1800
Replacement trees	500	10	5000	1300	3700
Regeneration report	1	900	900	0	900
Temporary site signs			100	0	100
Food for BBQ lunch			2000	600	1400

Other Expenses

(e.g. Printing Brochures)	100	0.50	50.00	25.00	25.00
D & O + Liability Insurance	2	1275 ave.	2550	750	1800
Fundraising	30	40	1200	300	900
Police	1	450	450	150	300
St. John Ambulance	1	400	400	100	300
Database/website	1	300	300	100	200
Flyer, stamps, photocopying, developing	1		1800	300	1500
Total			62,575	19,000	43,575

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

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

Upon completion of this Project please submit your project report, as well as original invoices, photos and records to Parks Planner, Operations, City of Markham, 101 Town Centre Boulevard, Markham, Ontario, L3R 9W3. Telephone 905-477-700 ext.3226 Fax 905-940-1550. Photos may be posted on the City's website.

SOURCE CONTRIBUTIONS – TABLE 3

Sponsor	Purpose	Cash Donation	In-kind
Town of Markham	Maintenance, Site Preparation, Trees, Fencing, Irrigation Supplies, Picnic Tables, Pylons, Refuse Pick-up, Mulch	\$19,000	\$2,500
Trees for Life	Plant materials, Tree Guards	\$5,000	
TD FEF	Plant material, toilets and washstands	\$10,000	
Whole Foods Market Unionville	Flyers, plant material	\$2,000	
Thompson Reuters	Buses, Truck rental, Fundraising (Funding Confirmed)	\$10,000	
Dow Chemical	Insurance, Website, Police & Ambulance Services	\$6,000	
Region of York	Plant material	\$5,000	
Grace Mackness	Tree Stakes, Shovels, Flyer Printing	\$610	
10,000 Trees Volunteers	Administration, Fundraising, Tree ordering, Site Staking, Heeling in Trees, Tree Planting, Mulching		\$69,285
Toronto Region Conservation Auth.	Administrative support, Technical support, plant materials.	\$5,000	\$2,000
Symbiotic	Site Surveys, Mapping, Fundraising, Accounting & Ecological Planning		\$4,000
Scouts Canada	Install snags, Site Staking, Unload trees		\$1,800
Agincourt Rotary	Food & Beverage Service, Barbecues		\$1,200
Metro Toronto Zoo	Storage Space		\$1,200
John Johnson Landscaping	2 ATVs & Trailers		\$1,000
Sub-totals		\$62,610	\$82,985

WORK PLAN – TABLE 4	
April - October	Work Plan
Project Start April 1st 2015	<ul style="list-style-type: none"> Erect snags and distribute coarse woody debris on site
Mid -April	<ul style="list-style-type: none"> Cultivate site and sow cover crop of low growing white clover to suppress weeds, improve site fertility and provide forage for bees
	<ul style="list-style-type: none"> Install temporary fencing to protect trees from deer browsing
April 25th	<ul style="list-style-type: none"> Receive trees, distribute, and heel in place
	<ul style="list-style-type: none"> Instruct planting managers on site layout and planting methods
Planting Day April 26th, 2015	<ul style="list-style-type: none"> Supervise and coordinate volunteers to get trees and shrubs planted
	<ul style="list-style-type: none"> Install tree guards to reduce damage from meadow voles
	<ul style="list-style-type: none"> Mulch trees with wood chips
	<ul style="list-style-type: none"> Fertilize trees in protected areas to reduce transplant shock
	<ul style="list-style-type: none"> Photograph site
May	<ul style="list-style-type: none"> Monitor trees & shrubs to verify initial viability, that buds flushed and leaves emerged (i.e. trees were alive)
	<ul style="list-style-type: none"> Monitor for insect herbivory (caterpillars etc.)
	<ul style="list-style-type: none"> Monitor site for wildlife use
June	<ul style="list-style-type: none"> Mulch trees again to ensure they are protected from summer drought conditions
	<ul style="list-style-type: none"> Complete fertilizing and water if necessary
	<ul style="list-style-type: none"> Photograph site
July - August	<ul style="list-style-type: none"> Conduct regeneration survey
	<ul style="list-style-type: none"> Monitor site for wildlife use
	<ul style="list-style-type: none"> Photograph site
September - October	<ul style="list-style-type: none"> Replant areas where survival was poor

Appendix 2A

Application Form

For Office Use Only - Project No.:

Group Information			
Name	Friends of the Rouge Watershed		
Address	2259 Meadowvale Road		
Phone	416 208-0252	Fax	
Email	info@frw.ca	Website Address	www.frw.ca
Charitable/Non Profit Organization registration # (if applicable)		Our Group has a bank account in the name of our organization	
88878 1028 RR0001		<p style="text-align: center;">Yes</p> <p style="text-align: center;">_____</p>	
<p>Briefly describe what your group does:</p> <p>Friends of the Rouge Watershed (FRW) works with youth and community volunteers to protect, enhance and restore watershed, ecosystem and community health. To accomplish this, we form conservation partnerships with schools, community and faith organizations, businesses, municipalities, provincial and federal agencies and community leaders.</p> <p>FRW: 1) encourages a community, ecosystem and watershed approach to environmental planning and protection; 2) provides educational nature walks, school field trips, presentations and community events; 3) trains and coordinates thousands of youth and community volunteers to plant thousands of native trees, shrubs and wildflowers to restore forest, wetland and meadow habitat; 4) conducts follow-up watering, mulching & maintenance of plantings to achieve an 80 to 90% survival rate; and 5) conducts watershed and ecosystem monitoring and information sharing.</p>			
Project Manager		Additional Contact	
Name	Jim Robb	Name	Leigh Paulseth
Title	General Manager	Title	Education and Volunteer Coordinator
Phone (work)	416-208-0252	Phone (work)	416-208-0252
Phone (home)	647-891-9550	Phone (home)	416-797-1698
Email	jimrobb@frw.ca	Email	leigh@frw.ca
Project Summary			
Title:		Habitat Restoration in Milne Park, 2015	
Location of Project:		SE Milne Park, north of Hwy 407, West of Hwy 48	
Name of Registered Owner of the Lands:		TRCA	
Address of Registered Owner of the Lands:		5 Shoreham, Downsview, ON, M3N 1S4	
Contact Name for Registered Owner of the Lands:		Mike Bender (905-713-7374)	
Phone # Registered Owner of the Lands		416 661-6600	Duration (months, maximum 12 months) 12
Request for	Spring Funding Yes	Fall Funding	Either
Start Date of Project	April 2015	End Date	January 2016



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

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

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

Trees provide substantial environmental, social and economic benefits to our community. In addition to providing measurable improvements to air quality and reduction of atmospheric carbon, trees help to prevent soil erosion, reduce energy consumption and provide habitat for wildlife. With the Markham Trees for Tomorrow program, more than 90,000 trees will be planted by 2014. This fund provides grants for tree planting projects to an upset limit of \$30,000.

Who Can Apply?

- Markham Community Groups*
- Non Governmental Organizations
- Public Agencies

All plantings must be on publicly owned and accessible lands in the City of Markham.

What are the Program's Requirements?

Applications will be considered by the Environmental Issues Committee for recommendation to General Committee and Council.

All applications must:

- involve the active participation of community volunteers
- identify other sources of funding raised by the applicant

All applications must include:

- **detailed site plan** prepared by a landscape architect or certified forester, describing existing site conditions, any necessary site preparation prior to planting and how the site is to be accessed before, during and after the planting
- **detailed planting plan** prepared by a landscape architect or certified forester, including: species list, planting specifications and cost estimate; and briefly state the rationale behind species selection, planting densities and distribution within the context of the planting site; start and end date for the project
- **detailed event planning logistics** such as: locations of pathways; staging areas for the temporary placement of trees, mulch and other supplies; parking and traffic control requirements
- **written commitment** to monitor and provide follow up maintenance to ensure long term success for the project

What are the Funding Criteria for an Application?

- applicants can request a maximum of \$30,000 from the MTTF per project per 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
- any groups that received funding for projects which have not been completed to the satisfaction of the City are not eligible for future funding
- funding will not be granted where projects have been commenced.

When are the application deadlines?

Applications must be submitted by February 13, 2015 for Spring funding.

How Do I apply?

- Step 1 **Contact the Parks Planner** about your proposed project and to request an application form. (Telephone: 905-477-7000 ext. 3226 e-mail: ntakata@markham.ca)
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- Step 3 **Prepare required 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 City of Markham, a letter must accompany the application stating that: the Owner consents to this application; acknowledges that the proposed project complies 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 Planner, Operations, City of Markham, 101 Town Centre Boulevard, Markham, Ontario, L3R 9W3.**

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 detailed site plan, species list, planting specifications 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?

An 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 summary and photos so we can review and promote your project, together with the completed consent forms permitting use of your photographs by the City (copy attached).

What does a Project Report Contain?

- accounting of how all funding has been spent
- original copies of paid invoices
- 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

BUDGET FORM – HUMAN RESOURCES (Volunteers)

Service	Details		In- Kind Value (in hours worked)
	Number of People	Estimated Time for Each hour)	
(e.g. Volunteer planters)	10	10	100
York Region Students	300	2.5	750
Deloitte Volunteers	200	3	600
FRW Co-op, Intern and Exchange students	10	10	100
Other FRW Volunteers	15	10	150
Total	525		1600

BUDGET FORM

Materials, Supplies and Equipment	Cost			MTFT	Other
	# of units	Unit Cost \$	Total Cost \$		
native deciduous (container grown)	700	12	8,400	1,500	6,900
white pine, cedar & spruce (large bare root)	600	2	1,200	1,000	200
white pine, cedar & spruce (ctnr and B&B)	200	15	3,000	1,500	1,500
native shrubs (40 to 60 cm, ctnr and BR)	600	8	4,800	1,500	3,300
native wild flowers (plugs and containers)	1000	2	2,000	700	1,300
native wildflower, tree and grass seed kg	20	50	1,000	500	500
Tree guards (\$.5) and weed blankets (\$1)	2000	1.5	3,000	1,000	2,000
T Bars and Fencing to prevent deer damage	300	10	3,000	1,000	2,000
Porta Toilets	2	300	600	300	300
Public Liability Insurance (half year)	0.5	3000	1,500	500	1,000
Rental Trucks for Tree and Flower Pick-up	2	400	800	400	400
Truck, shovels, watering and mulch trailers	20	150	3,000	1,000	2,000

Other Expenses

Beverages, Hospitality, First Aid, Printing	500	2	500	500	500
Watering, Mulching, Maintenance hrs	200	16	3,200	1,600	1,600
Project Planning and Coordination hrs	125	20	2,500	1,000	1,500
Education, Nature Walks, Bio-Surveys hrs	125	20	2,500	1,000	1,500
Total			41,000	15,000	26,500

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

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

Upon completion of this Project please submit your project report, as well as original invoices, photos and records to Parks Planner, Operations, City of Markham, 101 Town Centre Boulevard, Markham, Ontario, L3R 9W3. Telephone 905-477-700 ext.3226 Fax 905-940-1550. Photos may be posted on the City's website.

❖ **Project Overview (Attachment: Workplan and Planting Spreadsheet and Map)**

This project will involve 500 student, community and corporate volunteers in the planting of 2,100 native trees and shrubs, 1000 native wildflowers and 20 kg of native seed to restore approximately 1 ha (9,600 m²) of the southeast portion of Milne Park to a beautiful and diverse young forest and meadow habitats.

❖ **Project Team**

Leigh Paulseth is FRW's Environmental Projects Coordinator. She has a B.Sc. in Conservation Biology and a Master's in Resource and Environmental Management. Jim Robb is the General Manager of Friends of the Rouge Watershed (FRW). Jim has University of Toronto Forestry and Environmental Science degrees and more than 26 years of experience with the coordination of successful ecological protection, education, monitoring and restoration work.

❖ **Measureable Project Environmental Benefits**

The involvement and education of 500 youth, community and corporate volunteers will foster the environmental knowledge, responsibility and stewardship necessary to improve watershed, ecosystem and community health.

Forest Regeneration:	9,600 m ² ha of public parkland planted with 2,100 native trees & flowering shrubs
Meadow Restoration:	1,000 native wildflowers and 20 kg native wildflower seed for beauty and pollinator health
Enhanced Hydrology:	2+ million litres/year reduction in runoff
School Involvement:	300+ student volunteers involved and educated
Other Involvement:	200 corporate volunteers involved and educated
Education:	5+ educational nature walks for schools
Nesting Boxes:	4+ bluebird nesting boxes erected
Habitat Structures:	10+ log and mulch piles created
Species at Risk:	2+ endangered species planted (e.g. Butternut, dense blazing star)
Monitoring:	3 before and after surveys (amphibians, turtles, butterflies)
Debris Clean-up:	20+ bags of litter removed from Milne Park
Invasive Sp. Control:	200 m ² of invasive plants (DSV, Phragmites) removed
Media Events:	1 media releases for large community and corporate plantings
Youth Employment:	2 seasonal youth staff to help mulch, water & maintain trees
Youth Education:	2 co-op students / 2 foreign exchange student volunteers

The 2009 Report "Estimating Ecosystem Services in Southern Ontario", completed for the Ontario Ministry of Natural Resources, estimates that near urban forests provide \$15,000 to \$25,000 /ha/year of valuable services in terms of flooding and erosion control, and water quality, air quality, climatic, recreational, aesthetic and biodiversity services. Thus, Markham's one year \$15,000 investment in this project will lead to a perpetual annual ecological services dividend of a similar amount.

❖ **Project Maintenance and Monitoring**

FRW summer staff will mulch, water, weed and maintain the plantings and maintain the deer fencing for the first year at least. After a few years, the planted trees and wildflowers will be free to grow without much ongoing maintenance. The long term maintenance of the tree and wildflower plantings and wetlands will be the responsibility of the TRCA and Markham. However, the plantings involve hardy native species on public parklands and the benefits should be perpetual and largely self sustaining once the trees are free-to-grow.

❖ **Promoting the MTFT Fund**

FRW will acknowledge the MTFT Fund support at our planting and education events with school, community and corporate partners and through media releases, flyers, newsletters and our website. FRW events attract many dignitaries and good media coverage. FRW will also highlight this project through:

- a) public nature walks and tours with Councillors, MPPs, MPs and other dignitaries;
- b) displays and power-point shows given to the public, our partners & dignitaries.
- c) articles and photos in local newspapers and Councillor, MPP and MP newsletters.

❖ **Describe other funding sources/in kind support**

The 1600 hours (\$17,600) of in-kind volunteer support is summarized in Human Resources Budget Form. The \$26,500 of other cash funding includes Deloitte Canada (\$6,000, confirmed), TD FEF (\$9,950 not confirmed) and the Great Lakes Funding programs (\$10,550, partially confirmed).

❖ **Will there be an educational sign component?** Yes. Portable FRW Sign with Partner Recognition.

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 City of Markham will assess this application based upon the information contained in this application.

If approved for funding I further acknowledge and agree:

1. to comply with all relevant policies and secure all permits required for this project and acknowledge that the City bears no responsibility or has any liability in any manner with respect to this project.
2. that the City reserves the right to review communications and communication materials to be presented to the public to ensure compliance with City policies, including the City's Communication Standards.
3. to promote the Markham 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 City of Markham to use the project name and any images associated with the project to promote the Markham Trees for Tomorrow Program.
5. to return all unspent funds to the City of Markham upon completion of the project.
6. that there shall be no personal benefit directly, or indirectly, from this funding and I will notify the City of any conflict of interest situation should it arise in carrying out of the project.
7. permit the City of Markham to claim ownership of all carbon credits and other measurable ecological services resulting from the project.

Signature:

Title: FRW General Manager

Printed Name: Jim Robb

Date: Feb. 10, 2015

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

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

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

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

Markham Trees for Tomorrow Fund

Photo Consent and Release Form

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

I acknowledge and agree that the City may publish or use the image for any City purposes by any means whatsoever including, but not limited to electronic or digital means. I acknowledge that the 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 City harmless for any claims, actions, debts, damages, injuries or losses that may arise or be incurred as a result of the taking, use, publication or distribution of the image and I agree to indemnify the City against any third party claims, actions, damages, injuries or losses brought or assessed against or incurred by the Town for the use of the image(s).

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

Appendix 2B

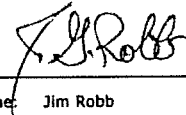
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Signature:



Title: FRW General Manager

Printed Name: Jim Robb

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

Appendix 2C

FRW PROJECT WORKPLAN - HABITAT RESTORATION IN MILNE PARK 2015

Project Activities	Timeframe
Prepare and submit reports to partners and submit year end reports Plan and prepare for plantings, complete detailed work plans and planting schedules Complete budgeting and fundraising for upcoming year Work with Toronto, Markham and Toronto District School Board to complete site preparations Obtain site access permits and seed native grasses, flowers and trees Get wood chips, brush and logs on-site (distribute while soil is frozen) Create new habitat structures (log piles, raptor posts, nesting boxes, etc) Confirm tree orders and timing, get planting supplies, maintain vehicles and equipment Organize spring volunteer planting schedule and staff timetable	Jan. to March 2015
Complete before photos of restoration sites Stratify seed, prepare planting areas and plant native wildflower, grass and tree seed Plant 2,500 native trees and shrubs and 500 wildflowers and 15 kg seed Train and involve 150 students and multi-cultural volunteers in plantings Involve students in conservation education & action on watershed and ecosystem health education Provide 5 Educational Environmental Walks for youth and community volunteers Hire and train 2 summer workers & exchange students to mulch, water & maintain planting sites Confirm and order stream monitoring equipment, site reconnaissance and install temperature loggers Hire and train summer stream monitoring person and begin in-stream monitoring Update after photos for FRW planting sites over the last twenty years	April to June 2015
Plant 500 native trees and shrubs and 500 native wildflowers Coordinate summer workers & international students to mulch, water & maintain planting sites Place wood chip mulch, rodent guards, weed blankets and fencing around high value hardwood trees Take after photos of previous years restoration sites and prepare reports Submit FRW Annual Charity Form to CCRA and GST Return Plan for fall plantings, confirm trees and supplies Submit bi-annual reports	July to Sept. 2015
Organize Oct 3 Deloitte Canada planting for 200 people and plantings involving 150 students Place wood chip mulch, rodent guards, weed blankets and fencing around high value hardwood trees Plant 500 native trees and shrubs and 500 wildflowers and 5 kg seed Provide 3 Educational Environmental Walks for youth and community volunteers	Oct. to Dec. 2015
Plan and prepare for plantings, complete detailed work plans and planting schedules Complete budgeting and fundraising for upcoming year Work with Toronto, Markham and Toronto District School Board to complete site preparations Obtain site access permits and seed native grasses, flowers and trees Get wood chips, brush and logs on-site (distribute while soil is frozen) Create new habitat structures (log piles, raptor posts, nesting boxes, etc) Confirm tree orders and timing, get planting supplies, maintain vehicles and equipment Organize spring volunteer planting schedule and staff timetable Prepare and submit reports to partners and submit year end reports	Jan. to March 2016

Appendix 3

Application Form

For Office Use Only - Project No.:

Group Information			
Name	Evergreen		
Address	Centre for Green Cities, Suite 300, Evergreen Brick Works, 550 Bayview Avenue, Toronto, ON, M4W 3X8		
Phone	416-596-1495 x 360	Fax	416-596-1443
Email	jkelly@evergreen.ca	Website Address	www.evergreen.ca
Charitable/Non Profit Organization registration # (if applicable)	Our Group has a bank account in the name of our organization		
BN 131815763 RR0001	<div style="display: flex; justify-content: space-around;"> Yes <u>X</u> No <u> </u> </div>		
<p>Briefly describe what your group does:</p> <p>Evergreen is a national charity that inspires action to green cities. Through our core programs: Greenspace (restoring and revitalizing public landscapes); Children (providing children with nature-focused playing and learning opportunities); Food (supporting a local, healthy and sustainable food system); and CityWorks (inspiring green design technologies and innovation in the built environment), we provide individuals with the practical tools and knowledge needed to improve the health of our communities.</p> <p>Our Greenspace program is a national service that 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 that supports and encourages the protection, restoration and stewardship of Canada's public lands.</p> <p>This past year, our program has expanded to include watershed monitoring and education. Our Uncover Your Creeks program engages community members in urban watershed restoration and education at different sites in the GTA. In 2014, we monitored watersheds in Toronto, Mississauga, Richmond Hill and Scarborough. Through riparian restoration, stewardship and monitoring, volunteers learn about invasive plants, biodiversity, aquatic ecosystems and water infrastructure. This program raises awareness about urban water systems and water quality. Evergreen will be expanding this program in 2015, adding four new sites within the GTA, including Austin Drive Park in Markham.</p> <p>If approved, funds from the <i>Markham Trees for Tomorrow</i> grant will be used to support and expand our existing community program within the City. Since 2008, in partnership with the City of Markham, Evergreen has engaged more than 3,100 volunteers in community greening initiatives, which has resulted in nearly 7,000 native trees and shrubs and 3,560 wildflowers planted in parks throughout the municipality. Furthermore, volunteers have made a significant effort to control the spread of herbaceous invasive species (notably Garlic Mustard, Dog Strangling Vine, Canada Thistle and European Buckthorn) within city parks, resulting in healthier ecosystems that allow for greater species diversity.</p>			
Project Manager		Additional Contact	
Name	Jill Kelly	Name	Sue Arndt
Title	Project Manager, York Region	Title	Program Director
Phone (work)	416-596-1495 x 360	Phone (work)	416-596-1495 x 249
Phone (cell)	416-899-5439	Phone (cell)	416-455-4526
Email	jkelly@evergreen.ca	Email	sarndt@evergreen.ca
Project Summary			
Title	Urban Stewards: Community Greening Initiative		
Location of Project	City of Markham		
Name of Registered Owner of the Lands	City of Markham		
Address of Registered Owner of the Lands	101 Town Centre Boulevard, Markham, ON, L3R 9W3		



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

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- Markham Community Groups*
- Non Governmental Organizations
- Public Agencies

All plantings must be on publicly owned and accessible lands in the City of Markham.

What are the Program's Requirements?

Applications will be considered by the Environmental Issues Committee for recommendation to General Committee and Council.

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- **detailed site plan** prepared by a landscape architect or certified forester, describing existing site conditions, any necessary site preparation prior to planting and how the site is to be accessed before, during and after the planting
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When are the application deadlines?

Applications must be submitted by February 13, 2015 for Spring funding.

How Do I apply?

- Step 1 **Contact the Parks Planner** about your proposed project and to request an application form. (Telephone: 905-477-7000 ext. 3226 e-mail: ntakata@markham.ca)
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Application Checklist

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

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- All supporting documentation such as a detailed site plan, species list, planting specifications etc.
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What will happen next?

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What does a Project Report Contain?

- accounting of how all funding has been spent
- original copies of paid invoices
- 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

Contact Name for Registered Owner of the Lands	Nory Takata, Parks Planner, City of Markham		
Phone # Registered Owner of the Lands	905-477-7000	Duration (months, maximum 12 months)	8
Request for	Spring Funding <u>X</u>	Fall Funding <u>X</u>	Either <u> </u>
Start Date of Project	April 1, 2015	End Date	December 31, 2015

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

Project Objective:

Through our *Urban Stewards: Community Greening Initiative*, we intend to provide demonstrable, widespread and lasting environmental benefits to the community by addressing a number of environmental issues affecting the City of Markham. Specifically, our program will increase the urban tree canopy, enhance local biodiversity, create vibrant wildlife habitat, and mitigate impacts from herbaceous invasive species within naturalized areas across the city. This year, we will also be launching our *Uncover Your Creeks* program within Austin Drive Park. This new program builds on the foundations of Evergreen's core greening initiatives by educating community members on urban watershed health through water quality testing and riparian stewardship. By engaging individuals in the aforementioned hands-on greening activities we are not only improving the health of the local environment, we are also helping to strengthening the ecological literacy of local residents. Furthermore, the native trees, shrubs and wildflowers planted as a result of these initiatives will improve the vitality of the community at large, reduce maintenance costs, and contribute to climate change mitigation measures (especially restoration within riparian zones), all of which are objectives outlined in Markham's 2011 Greenprint Sustainability Plan.

Project Overview:

The presence of accessible and vibrant green space influences the health and quality of life in our communities. Public open spaces are areas for recreation, food growing and community building. In the midst of rapid urban intensification, sustaining a connection with nature is of vital importance if we are to move towards a sustainable future. Building on the momentum of the past 6 years, Evergreen will continue to engage diverse individuals through hands-on naturalization projects in parks and open spaces across the municipality. Growing steadily since 2008, our program offerings have more than doubled in order to meet the demands for public and stakeholder participation within the City. In 2015, we plan to sustain this level of profile and further promote the social, cultural, and economic benefits associated with conserving our local watershed and its natural systems.

Building on past successes, Evergreen aims to work directly with community, social service and cultural groups, such as the *Centre for Immigrant & Community Services*, *Heritage Lions Club*, *Markham Chinese Baptist Church* and the *3rd Unionville Scouts*, as well as local schools (*Father Michael McGiveney Catholic Academy*, *Markville Secondary School* and *Cedarwood Public School*), in delivering water quality monitoring, restoration plantings and stewardship events in a number of parks throughout the City of Markham. We will collaborate with City staff and Toronto and Region Conservation Authority (as needed) to develop concise restoration plans that will see a minimum of **250 wildflowers** and up to **700 native trees and shrubs** planted in open spaces throughout the City. Plans for the spring and fall include community planting events at Austin Drive Park, Berczy Park, Fierheller Park, Fulham Gate Park (Robinson's Creek) and Fairtree Pond (the MOEE Stormwater Retention Ponds). As in previous years, education will be a prominent component of our programming – with educational tutorials and interactive activities (including water quality sampling) offered to community members participating at our events. Our 2015 workplan/timeline, as well as relevant planting location maps are included in this application as an attachment.

The environmental benefits of our *Community Greening Initiative* include:

- Enhancing local biodiversity and creating wildlife habitat through the planting of **250 wildflowers** and up to **700 native trees and shrubs**.
- Increasing the urban tree canopy by planting native trees and shrubs that will in-fill in areas impacted by the 2013 Ice Storm and invasive Emerald Ash Borer.
- Controlling the spread of herbaceous invasive species. Selective invasive species removal and restoration encourages greater native species diversity, resulting in healthy ecosystems that provide an abundance of habitat.

-Improving water quality, reduce soil erosion and mitigate flooding. Impermeable surfaces in our cities, such as concrete and asphalt, prevent rain water from draining into soil and waterways. Our streets act as tributaries washing particulates, pesticides, heavy metals and other pollutants into our sewers and stormwater management ponds. By planting 700 trees and shrubs, especially in riparian areas, we will promote soil-based water filtration, reduce urban run-off; and help establish 'natural' erosion and flood control measures.

-Improving air quality. Trees and shrubs help to clean the air by trapping and retaining airborne pollutants such as carbon monoxide, sulfur dioxide, and nitrogen dioxide. Reports have shown that 85% of harmful pollutants can be filtered out of the air in areas that host an appropriate mix of trees and shrubs (Bolund and Hunhammar, 1999).

-Counteracting 'urban heat island effect' and climate change. Trees provide the highest cooling effect in comparison to other mitigation efforts. University of Manchester studies revealed that a mere 10% increase in the amount of green space maintained in an urban centre reduced surface air temperatures by as much as 4°C. Furthermore, healthy forests play an important role in mitigating the effects of climate change by absorbing and storing significant amounts of carbon dioxide and other harmful pollutants on an annual basis.

Evergreen realizes that tree planting alone is not enough. To create healthier, more sustainable cities, a greater sense of ecological literacy must be promoted and instilled in Canadians. Realizing this, the primary goal of our *Urban Stewards: Community Greening Initiative* will be to promote environmental awareness amongst the diverse community of Markham. We will strive towards strengthening our existing community partnerships while seeking new opportunities that will allow us to connect and engage individuals of all ages and cultures.

Sustainability Plan:

To promote the health and growth of the stock we plant, Evergreen will engage volunteers in **5-6 stewardship events** (including water quality sampling and monitoring) throughout the year. Water quality sampling will take place monthly between May and October at two locations along the Rouge River in Austin Drive Park. Results will be shared with City staff, as requested, to drive future aquatic stewardship. Furthermore, collected terrestrial monitoring data will be used to assess the overall health of our community plantings and will help guide our future restoration initiatives. During these stewardship events, program participants will be educated first-hand on the environmental pressures our urban watersheds face, notably invasive species, habitat loss, water pollution and climate change and will work collectively to improve the health and quality of these natural systems. After the 2015 project is complete, Evergreen will continue to work with City staff and raise supplemental funds to support on-going stewardship initiatives, as needed. Also, funds from a portion of this grant will assist in long-term capital investments such as equipment and supply costs that will support our continued work in Markham. Evergreen estimates that an average of 3-5 years of regular stewardship/maintenance is required to ensure that community planted stock reaches a level of maturity where it will require little care in order to survive. Seasonal maintenance and long-term stewardship activities will be assessed and managed by the Project Coordinator.

Project Team:

Jill Kelly, Project Manager, York Region

The day-to-day management and coordination of the *Urban Stewards: Community Greening Initiative* will be conducted by Jill Kelly. As project manager, Jill will:

- Work with municipal and institutional partners to assess and establish suitable restoration/stewardship sites;
- Oversee the development of a detailed workplan for the 2015 season;
- Oversee the planning, organizing and execution of restoration, stewardship, and monitoring events throughout the municipality;
- Assist with the development of educational/interpretive programs and outreach content;

- Oversee the promotion of the program through our community networks, social/cultural groups, local schools and corporations; and
- Manage project administrations and communications.

Jill joined Evergreen's Greenspace 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 oversees the hands-on restoration and stewardship initiatives throughout York Region.

Lorraine Chung, Project Coordinator, York Region

Event planning and on-the-ground programming will be conducted by the Project Coordinator. Specifically, Lorraine will:

- Coordinate and facilitate community restoration, stewardship and water quality monitoring events;
- Manage, coordinate and educate volunteers at all community events;
- Develop communication and promotional materials (i.e. event flyers, blogs, etc.);
- Outreach/network and engage local residents, community groups, corporations and schools; and
- Perform program related administrative duties (health and safety reports, statistical data collection, etc.).

Sue Arndt, Program Director

The overarching management of the 2015 program will be undertaken by Sue Arndt. With a background in environmental restoration, biological science and community engagement, Sue brings a range of experience and expertise to the program. She will oversee the following:

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

Promotion/Recognition:

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

- *City of Markham Trees for Tomorrow* logo placement on all event signage, including flyers and banners (if applicable) during the 2015 season;
- *City of Markham Trees for Tomorrow* logo placement on all published material during the 2015 season (including blog posts and update reports);
- Blog posts and other social media tools;
- City of Markham acknowledgement in Evergreen's 2015 Annual Report; and
- Scheduled public events posted on Evergreen's online event calendar.

Additional Funding Sources/In-kind Support:

- HSBC (Evergreen HR and *Uncover Your Creeks* material/equipment)
- 407 ETR (Evergreen HR, materials, equipment, rentals)
- TRCA (in-kind program support and site preparation)
- Community Volunteers (in-kind)
- City of Markham (in-kind HR program support and materials)
- Evergreen (in-kind overhead, administration and communication)

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

Total Project Cost	\$45,000	Amount requested from the MTTF	\$24,000
Amount from other sources	\$21,000	In- Kind support hours	600

BUDGET FORM – HUMAN RESOURCES (Volunteers)

[illegible]

BUDGET FORM

Materials, Supplies and Equipment	Cost			MTFT	Other
	# of units	Unit Cost \$	Total Cost \$		
Native Trees and Shrubs (stock, delivery, rodent guards, mulch mats etc.)	700	\$15	\$10,500	\$6,000	\$4,500
Native Wildflowers (stock, delivery)	250	\$5	\$1,250	\$625	\$625
Volunteer Refreshments	12	\$50	\$600	\$300	\$300
Volunteer Gloves	300	\$5	\$1,500	\$300	\$1,200
Shovels	35	\$20	\$700	\$350	\$350
Trowels	20	\$10	\$200	\$100	\$100
Buckets	40	\$5	\$200	\$200	-
Rental van	7	\$350	\$2,450	\$1,225	\$1,225
Transportation/Mileage (stewardship events, meetings, site visits)	8	\$60	\$480	\$480	-
Stewardship & Monitoring Tools (pruners, secateurs, weeders, spades)	15	\$15	\$225	\$60	\$165
Stewardship Supplies (yard waste bags, plastic bags, clip boards etc.)	200	\$2	\$400	\$200	\$200
Water Sampling Supplies	1	\$350	\$350	-	\$350
Health and Safety (supplies, kits, pylons)	1	\$225	\$225	-	\$225

Other Expenses

Project Coordination (event planning/delivery, site visits, volunteer management, outreach)	36 days	\$350/day	\$12,600	\$12,600	-
Project Management	18 days	\$400/day	\$7,200	\$1,260	\$5,940
Communications (flyers, design, blogs, social media)	6 days	\$400/day	\$2,400	\$300	\$2,100
Overhead and Administration			\$3,720	-	\$3,720
Total			\$45,000	\$24,000	\$21,000

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

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

Upon completion of this Project please submit your project report, as well as original invoices, photos and records to Parks Planner, Operations, City of Markham, 101 Town Centre Boulevard, Markham, Ontario, L3R 9W3. Telephone 905-477-700 ext.3226 Fax 905-940-1550. Photos may be posted on the City's website.

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 City of Markham will assess this application based upon the information contained in this application.

If approved for funding I further acknowledge and agree:

1. to comply with all relevant policies and secure all permits required for this project and acknowledge that the City bears no responsibility or has any liability in any manner with respect to this project.
2. that the City reserves the right to review communications and communication materials to be presented to the public to ensure compliance with City policies, including the City's Communication Standards.
3. to promote the Markham 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 City of Markham to use the project name and any images associated with the project to promote the Markham Trees for Tomorrow Program.
5. to return all unspent funds to the City of Markham upon completion of the project.
6. that there shall be no personal benefit directly, or indirectly, from this funding and I will notify the City of any conflict of interest situation should it arise in carrying out of the project.
7. permit the City of Markham to claim ownership of all carbon credits and other measurable ecological services resulting from the project.

Signature

Title



Program Director

Printed Name

Date

Sue Arndt

March 12, 2015

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

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

Personal information contained herein is subject to the Municipal Freedom of Information Act and the Personal Protection and Electronic Documents Act. The information collected may be used for promotional purposes.

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

Completion of this form constitutes consent by the applicant to these terms and uses.

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

I acknowledge and agree that the City may publish or use the image for any City purposes by any means whatsoever including, but not limited to electronic or digital means. I acknowledge that the 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 City harmless for any claims, actions, debts, damages, injuries or losses that may arise or be incurred as a result of the taking, use, publication or distribution of the image and I agree to indemnify the City against any third party claims, actions, damages, injuries or losses brought or assessed against or incurred by the Town for the use of the image(s).

Contact Information					
Signature	Jill Kelly	Date	March 12, 2015		
Address	Centre for Green Cities, Suite 300, Evergreen Brick Works, 550 Bayview Avenue				
City	Toronto	Province	ON	Postal Code	M4W 3X8
Telephone	416-596-1495 x 360		Email	jkelly@evergreen.ca	
City of Markham:					
City Representative		Date			

Application Form

For Office Use Only - Project No.:

Group Information			
Name	LEAF – Local Enhancement and Appreciation of Forests		
Address	Artscape Wychwood Barns, 601 Christie St., Suite 253, Toronto, ON, M6G 4C7		
Phone	416-413-9244	Fax	416-413-1073
Email	info@yourleaf.org	Website Address	www.yourleaf.org
Charitable/Non Profit Organization registration # (if applicable)	Our Group has a bank account in the name of our organization		
86953 6805 RT0001	Yes		
Briefly describe what your group does:			
<p>LEAF is a non-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, stewardship 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 available to City of Markham residents include the following:</p> <p>1) Subsidized Full Service Backyard Tree Planting Program – This program provides hands-on assistance to residents who want to plant a tree in their backyard. LEAF staff help property owners select appropriate native species and planting locations, in addition to providing extensive education and tree care information in order to encourage proper long-term stewardship. Program participants pay a portion of the cost (approximately \$150-\$220 per tree) which includes a 45 minute on-site consultation with a LEAF arborist, a 5 to 8 foot tall tree, mulch and full planting service. Property owners agree to provide tree care as instructed. In addition to trees, a variety of native shrubs, Native Garden Kits (a mix of perennials and shrubs) and Edible Garden Kits (a mix of fruit trees and shrubs) are also available for purchase.</p> <p>2) Subsidized Do-It-Yourself Tree Planting Program – This program provides educational assistance to residents who want to plant a tree in their front, side or backyard. LEAF staff help property owners select appropriate native species for purchase through the completion of an online survey and workshop, in addition to providing extensive education and tree care information in order to encourage proper long-term stewardship. Program participants pay a portion of the cost (approximately \$100-\$150 per tree) which includes an online video series workshop, a 5 to 8 foot tall potted tree, mulch and delivery. Similar to the full service program, property owners agree to provide tree care as instructed. In addition to trees, a variety of native shrubs, Native Garden Kits, pawpaw trees and Edible Garden Kits are also available for purchase.</p> <p>3) 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.</p> <p>4) 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 course also includes a group tree planting in which individuals can put their knowledge learned into practice.</p> <p>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.</p>			



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

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

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

Trees provide substantial environmental, social and economic benefits to our community. In addition to providing measurable improvements to air quality and reduction of atmospheric carbon, trees help to prevent soil erosion, reduce energy consumption and provide habitat for wildlife. With the Markham Trees for Tomorrow program, more than 90,000 trees will be planted by 2014. This fund provides grants for tree planting projects to an upset limit of \$30,000.

Who Can Apply?

- Markham Community Groups
- Non Governmental Organizations
- Public Agencies

All plantings must be on publicly owned and accessible lands in the City of Markham.

What are the Program's Requirements?

Applications will be considered by the Environmental Issues Committee for recommendation to General Committee and Council.

All applications must:

- involve the active participation of community volunteers
- identify other sources of funding raised by the applicant

All applications must include:

- detailed site plan prepared by a landscape architect or certified forester, describing existing site conditions, any necessary site preparation prior to planting and how the site is to be accessed before, during and after the planting
- detailed planting plan prepared by a landscape architect or certified forester, including: species list, planting specifications and cost estimate; and briefly state the rationale behind species selection, planting densities and distribution within the context of the planting site; start and end date for the project
- detailed event planning logistics such as: locations of pathways; staging areas for the temporary placement of trees, mulch and other supplies; parking and traffic control requirements
- written commitment to monitor and provide follow up maintenance to ensure long term success for the project

What are the Funding Criteria for an Application?

- applicants can request a maximum of \$30,000 from the MTTF per project per 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
- any groups that received funding for projects which have not been completed to the satisfaction of the City are not eligible for future funding
- funding will not be granted where projects have been commenced.

When are the application deadlines?

Applications must be submitted by February 13, 2015 for Spring funding.

How Do I apply?

- Step 1 **Contact the Parks Planner** about your proposed project and to request an application form. (Telephone: 905-477-7000 ext. 3226 e-mail: ntakata@markham.ca)
- Step 2 **Complete the Application Form.** Please ensure that it is legible and signed.
- Step 3 **Prepare required 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 City of Markham, a letter must accompany the application stating that: the Owner consents to this application; acknowledges that the proposed project complies 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 Planner, Operations, City of Markham, 101 Town Centre Boulevard, Markham, Ontario, L3R 9W3.**

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 detailed site plan, species list, planting specifications 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?

An 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 summary and photos so we can review and promote your project, together with the completed consent forms permitting use of your photographs by the City (copy attached).

What does a Project Report Contain?

- accounting of how all funding has been spent
- original copies of paid invoices
- 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

Project Manager		Additional Contact	
Name	Melissa Williams	Name	Janet McKay
Title	Residential Planting Programs Manager	Title	Executive Director
Phone (work)	416-413-9244 ext.11	Phone (work)	416-413-9244 ext.17
Phone (home)	647-532-8935	Phone (home)	647-883-5777
Email	melissa@yourleaf.org	Email	janet@yourleaf.org
Project Summary			

Title		Backyard Tree Planting Program	
Location of Project		City of Markham – residential properties	
Name of Registered Owner of the Lands		Various	
Address of Registered Owner of the Lands		Various	
Contact Name for Registered Owner of the Lands		Various	
Phone # Registered Owner of the Lands		Duration (months, maximum 12 months)	
Request for	Spring Funding <u>X</u>	Fall Funding	Either
Start Date of Project	March 2015	End Date	December 2015

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:

- ❖ Description of the Project Team
- ❖ Project overview and detailed project plan (include work plan with timelines; detailed site and planting plans; monitoring and follow up maintenance schedules)
- ❖ Identify and where possible quantify the environmental benefits associated with the project
- ❖ Who will maintain and monitor the project after completion? (please provide contact information)
- ❖ How will you promote the MTTF fund with this project?
- ❖ Describe other funding sources/in kind support
- ❖ Will there be an educational sign component? If so, please describe

Please see attached document

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

Total Project Cost	\$94,600	Amount requested from the MTTF	\$23,000
Amount from other sources	\$71,600	In- Kind support hours	

APPLICANT'S SIGNATURE

How did you organization hear about the MTTF? (Please check one)			
City Website <input type="checkbox"/>	Newspaper advertisement <input type="checkbox"/>	Word of mouth <input type="checkbox"/>	Other <input checked="" type="checkbox"/>
Upon completion of this Project please submit your project report, as well as original invoices, photos and records to Parks Planner, Operations, City of Markham, 101 Town Centre Boulevard, Markham, Ontario, L3R 9W3. Telephone 905-477-700 ext.3226 Fax 905-940-1550. Photos may be posted on the City's website.			

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 City of Markham will assess this application based upon the information contained in this application.

If approved for funding I further acknowledge and agree:

1. to comply with all relevant policies and secure all permits required for this project and acknowledge that the City bears no responsibility or has any liability in any manner with respect to this project.
2. that the City reserves the right to review communications and communication materials to be presented to the public to ensure compliance with City policies, including the City's Communication Standards.
3. to promote the Markham 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 City of Markham to use the project name and any images associated with the project to promote the Markham Trees for Tomorrow Program.
5. to return all unspent funds to the City of Markham upon completion of the project.
6. that there shall be no personal benefit directly, or indirectly, from this funding and I will notify the City of any conflict of interest situation should it arise in carrying out of the project.
7. permit the City of Markham to claim ownership of all carbon credits and other measurable ecological services resulting from the project.

Signature



Title

Executive Director

Printed Name Janet McKay

Date Feb 11, 2015

In the event the Registered Owner of the lands is an entity other than the City of Markham, a letter must accompany the application stating that: the Owner consents to this application; acknowledges that the proposed

project complies to all its applicable policies and requirements; and, that the writer has the authority to give its consent.

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

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

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

Markham Trees for Tomorrow Fund

Photo Consent and Release Form

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

I acknowledge and agree that the City may publish or use the image for any City purposes by any means whatsoever including, but not limited to electronic or digital means. I acknowledge that the 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 City harmless for any claims, actions, debts, damages, injuries or losses that may arise or be incurred as a result of the taking, use, publication or distribution of the image and I agree to indemnify the City against any third party claims, actions, damages, injuries or losses brought or assessed against or incurred by the Town for the use of the image(s).

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

LEAF's Backyard Tree Planting Program: MTFT Fund Application 2015

1. Project Plan and Overview

Urban forests are the green infrastructure of our cities and provide tangible economic, environmental, social and psychological benefits. They make our communities healthier places to live, work and play by providing energy conservation, air pollution removal and stormwater mitigation. They also improve our physical and mental health, and play a key part in enhancing biodiversity by providing vital habitat. These benefits increase exponentially with leaf surface area, meaning that large, healthy, long-lived trees achieve the most environmental benefits. Through LEAF's Backyard Tree Planting Program, we want to help every interested Markham resident plant the right species in the right places, and we want to foster an informed and engaged body of urban forest stewards who care for this valuable urban infrastructure.

The environmental benefits provided by trees are not determined by whether the tree is rooted in public or private property. Rather the number, size and health of the trees determine these benefits. Identifying the best possible planting locations, where the most desirable species can reach their maximum size and age is the approach that our cities must take in order to maximize environmental benefits. We must think beyond the borders of public/private property and must look at our collective ownership of the urban forest. Only through cooperation and shared responsibility can we achieve this goal.

In 2011, the City of Markham developed the Greenprint Sustainability Plan which includes the goal of reaching 30% town-wide tree canopy and vegetation cover by 2025. At present, Markham has a canopy cover of 18%, according to the York Region Urban Forest Study (TRCA, 2012). The potential exists to increase canopy cover in Markham, however recent threats to the urban forest create additional challenges in meeting that target. For example, the Emerald Ash Borer (EAB) is estimated to attack and kill 2,800,000 mature ash trees in York Region in the next 10-15 years, and the December 2013 ice storm damaged over 10,000 trees (according to a staff presentation made to the General Committee of City Council on January 8th, 2014).

LEAF's subsidized Backyard Tree Planting Program, which encourages residents to plant native trees and shrubs on their property, is one effective way to help Markham reach the target of 30% canopy cover. This project complements the City of Markham's existing strategies by targeting private property while the city addresses public property through the EAB Management Plan and Urban Tree Recovery Plan.

Participants of the program can purchase trees for the subsidized price of approximately \$150 - \$220. This price includes a yard consultation with a LEAF arborist, a native tree (five to eight feet in height), delivery and full planting service. Native shrubs are available in the range of \$30 (delivered) and are encouraged as important wildlife habitat. Participants in the program understand that they are getting the benefits of on-site advice and a subsidized price. They commit to 'giving back' by providing the care and protection the trees and shrubs need to be healthy and reach maturity.

With this in mind, the aims and objectives of our Backyard Tree Planting Program are achieved through the following four steps:

1. Online pre-visit questionnaire to ensure the property owner qualifies for the program, has adequate planting space in their backyard, has realistic expectations of the program and is committed to long-term stewardship and tree/shrub care
2. On-site consultation with LEAF arborist and property owner to determine the appropriate species and planting locations (taking into consideration sunlight, soil type, yard space, yard conflicts, future yard changes, neighbouring properties and homeowner preferences). In addition to developing a site plan, consultations present an opportunity for LEAF arborists to provide homeowners with customized information suited to their backyard needs (ie. interest in wildlife, eco-friendly gardens, pests and disease, etc.), as well as additional educational materials on EAB and other LEAF programs.
3. Planting and delivery of carefully selected native trees and shrubs by LEAF professionals in the spring and fall seasons.
4. Follow-up survey to assess participant satisfaction and program evaluation and/or follow-up site visit to assess tree and shrub health

Furthermore, LEAF also offers a Do-It-Yourself Planting Program, which is available to all residents of York Region, including Markham. This program provides educational assistance to homeowners who wish to plant in front or side yards, in addition to backyards, and is an ideal alternative for those who wish to do the planting themselves. LEAF arborists still assist homeowners in selecting native species for their yard; however, the process is completed through an online survey, video series workshop, and personalized species recommendations from a LEAF arborist. Similar to the full service program, prices are subsidized, delivery takes place during the spring and fall planting seasons and follow-up surveys are sent out to assess participant satisfaction and program evaluation.

In addition to planting, our program also aims to inform and educate homeowners about how to properly care for and maintain their newly planted trees and shrubs, as well as how they can respond to urban forest threats such as EAB and storm damage. To help with this, we provide residents with resources on proper tree care and maintenance and help them to make informed decisions on treating, removing and/or replacing ash or other damaged trees on their property. By educating our participants to become urban forest stewards, they can play an active role in replanting and improving Markham's urban forest.

LEAF has offered the residents of Markham trees, shrubs, Native Garden Kits and Edible Garden Kits through its planting programs since 2008, with the financial support from both York Region and the City of Markham. Throughout these years, we have reached 367 Markham homeowners and conducted 314 yard consultations, resulting in the planting and delivery of 557 trees, 399 shrubs, 8 Native Garden Kits (which include a mix of native shrubs and perennials) and 5 Edible Garden Kits (which include a selection of fruit and/or nut bearing trees and shrubs). In addition to providing native species to homeowners, we also visited 62 Markham households in 2014 to conduct follow-up health assessments on trees and shrubs previously planted by LEAF. We evaluated 95 trees and 52 shrubs planted between 2008 and 2013, and found a 99% survival rate for trees and 98% survival rate for shrubs. Furthermore, of the Markham residents who participated in our program and completed our post-planting survey in 2013 and 2014, 100 percent indicated that they would recommend our

Backyard Tree Planting Program to others. They also rated our overall staff courtesy and knowledge of trees and tree care as excellent and found our program very convenient to participate in.

This positive program feedback, coupled with an anticipated increase in tree and shrub demand resulting from ash and storm damage losses and permits, lead us to believe that LEAF's planting programs will continue to be of significant interest to Markham residents in 2015 and we are confident that our program will continue to satisfy participants who recognize the importance of caring for their trees and shrubs for years to come, thus creating a lasting benefit in their community.

2. Project Objectives

- Involve 165 households in Backyard Tree Planting Program via consultations, deliveries and planting
- Conduct 165 yard consultations with Markham homeowners to determine the "right tree for the right place"
- Deliver educational messages to 165 households on the importance of proper tree care, ongoing stewardship and the environmental, economic, social and psychological benefits of the urban forest
- Plant 280 native trees
- Plant 230 native shrubs
- Deliver 5 Native Garden Kits
- Conduct 50 on-site health assessment evaluations of LEAF-planted trees and shrubs in Markham backyards
- Collect 5 client profiles of past-participants which include answers to interview questions and photos
- Provide a LEAF Planting and Care Guide to all participating households
- Provide locations (by ward) and species for all trees/shrubs planted
- Provide client testimonials, photographs and other pertinent information to promote the project

In addition to the above objectives, we also plan to diligently track the distance and direction trees are planted from homes in Markham, so we can calculate a variety of benefits these trees will provide to residents and their communities. By entering the measurements into the Ontario Residential Tree Benefits Estimator (ORTBE), an interactive web-based tool, we will be able to determine the full range of benefits these trees will provide over their lifetime. We will also be sure to include our findings in the end of project report to the City of Markham.

Together with our tree planting programs, LEAF also has plans to offer a variety of exciting opportunities to learn about and help protect and improve the Markham urban forest in 2015:

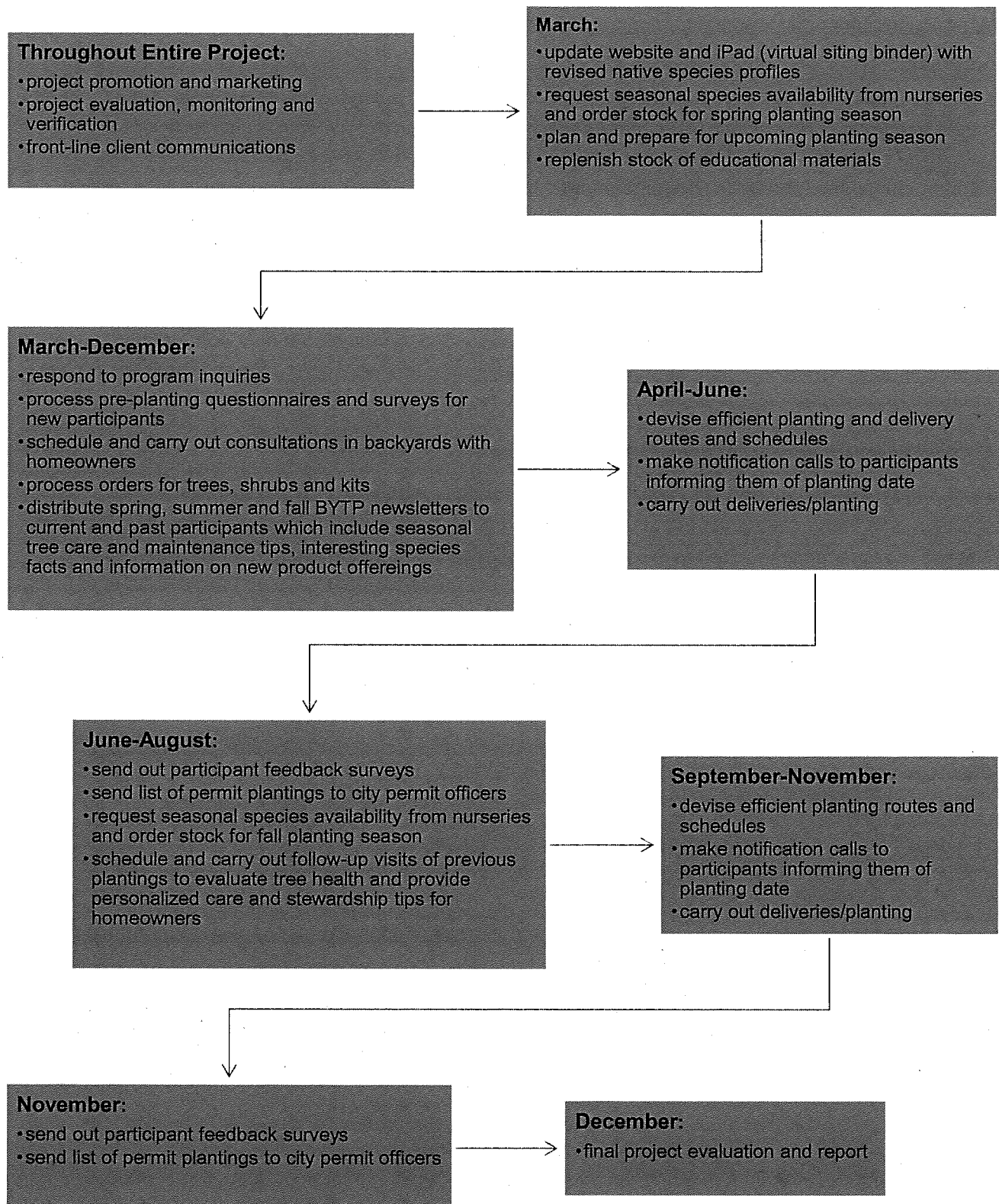
1) LEAF plans to host a Tree Tour in one of York Region's municipalities (TBD) that will highlight either edible trees or other interesting aspects of the urban forest. LEAF tree tours are guided walking tours through different neighbourhoods that highlight trees of interest along the way and often incorporate education on local tree history and culture. Tree tours are a great way for Markham residents to engage with tour leaders and other tour participants to learn about current issues affecting their urban forest, as well as ways to help care for, protect and enhance it.

2) In addition to a York Region tree tour, LEAF will be holding its Tree Tenders Volunteer Training Program in the Town of Richmond Hill in the fall of 2015, which will be available to all Markham residents interested in gaining

tree-related knowledge and hands on arboricultural skills. LEAF's Tree Tender program is a multi-day course developed to provide individuals with basic arboriculture training through a combination of indoor and outdoor instruction and practical, hands-on activities such as tree planting. This training program is a way for Markham residents to take what they've learned and apply it to their own yards and communities in order to help protect and improve Markham's overall urban forest.

3) LEAF also plans to attend a number of community outreach events in Markham throughout the year, so as to promote our planting and education programs and our partnership with the City's Trees for Tomorrow Fund.

3. Proposed 2015 Project Timeline



4. Project Team

Janet McKay, Executive Director

Janet has an Honours B.A. in Environment and Resource Management and a certificate in Permaculture Design. She is the founder and Executive Director of LEAF. Janet has over 18 years' experience designing and implementing community-based, urban forest projects that are supported through unique, multi-sector partnerships. She also advocates for urban forests at the provincial level, taking a leadership role in the formation of the both the Urban Forest Stewardship Network and the Green Infrastructure Ontario Coalition.

Michelle Bourdeau, Program Manager

Michelle holds an Honours Bachelor of Science in Forest Conservation, with a focus in Urban Forestry, from the University of Toronto. She is an ISA Certified Arborist and is currently working towards a Certificate of Landscape Design from Ryerson University. Michelle has extensive experience in urban forest field work including inventories, planting and stewardship. She has been working at LEAF since August 2008 and currently oversees all internal operations.

Melissa Williams, Residential Planting Programs Manager

Melissa holds a certificate in Urban Forest Conservation Planning and a Master of Arts degree from the University of Toronto. She has worked at LEAF for 4 years, overseeing the Backyard Tree Planting Program and Emerald Ash Borer program. She has extensive experience in program design and partnership development.

Brenna Anstett, Field Operations Coordinator

Brenna holds an Honours Bachelor of Arts degree in Geography and Environmental Governance from the University of Guelph and aspires to continue her education in forest conservation. She is also an ISA Certified Arborist. Brenna has been with LEAF since July of 2013. She oversaw our entire backyard planting operations in both spring and fall of 2014. Brenna's past experience includes research in dendroclimatology and tree planting projects with the Ausable Bayfield Conservation Authority.

5. Educational Sign Component

Following on-site consultations, we will display temporary lawn signs in the front yards of participants' homes in order to highlight LEAF's planting programs and to provide an easy, accessible way for participants to spread the word in their neighbourhood. The signs read "We're planting a tree in our backyard...Get yours today!" and direct individuals to LEAF's website where they can find more information on the Backyard Tree Planting Program and our supporting partners. The signs are then picked up from the participants' homes at the time of planting during the spring and fall seasons.

6. Environmental Benefits of Project

According to Statistics Canada, the City of Markham was home to over 300,000 people in 2011, representing a 15.3% growth increase from 2006. Compared to the national average growth increase of 5.9% during that same period, it is clear that Markham represents one of the fastest growing municipalities in Ontario. The City covers 212 square kilometres of land and currently houses more than 332,000 residents (according to the City's website). Such a rapid increase in population is very important for development, but it can also lead to a rise in resource depletion and environmental degradation including air and water pollution, ecosystem destruction, loss of biodiversity and increased pressure on natural and arable lands.

Consequences of urbanization such as an increase in temperature, fuel combustion, chemical and physical pollution, construction and development, waste disposal and runoff can all negatively impact the health of our natural environment and in turn, the health of urban dwellers. As such, protecting and improving our urban forest can help to reduce these harmful environmental effects and their associated costs for urbanites.

Recognizing its rapid population growth and the associated environmental impacts, the City of Markham is striving to become a recognized leader in sustainability and environmental standards. This can be seen by the implementation of the Greenprint Sustainability Plan which outlines policies to protect air, land, water and habitat. LEAF's Backyard Tree Planting Program supports a number of strategies outlined in the Plan and fully encourages the protection and enhancement of Markham's urban forest by assisting residents in planting the right tree in the right place to maximize the associated environmental benefits. According to the York Region Urban Forest Study (TRCA, 2012), these environmental benefits include:

1. Air Pollution Removal and Improved Air Quality:

With an increase in urbanization comes an increase in poor air quality through the release of air pollutants such as carbon monoxide, nitrogen oxides, sulphur dioxide and ground level ozone. Planting urban trees and shrubs can help improve this air quality through the interception of particulate matter and the absorption of those harmful pollutants. Approximately 830 tonnes of air pollution are removed by trees and shrubs in Markham, Richmond Hill and Vaughan each year, and the value of this service equates to approximately \$7.2 million annually. Therefore, increasing the urban forest canopy across Markham can help to improve overall air quality, enhance the physical and mental health of residents and result in substantial savings in health care expenditures and damage repairs to municipal infrastructure as a result of air pollution.

2. Carbon Sequestration and Storage:

It has been suggested that planting trees and shrubs in urban areas is a cost-effective means to ameliorate increasing levels of atmospheric CO₂, and in turn, rising temperatures. As such, urban trees and shrubs can play a critical role in improving local air quality in two major ways: (1) they can act as carbon sinks by sequestering (absorbing) atmospheric carbon during photosynthesis and storing it as woody biomass and (2) they are able to reduce or avoid carbon dioxide emissions if planted strategically, by cooling ambient air and allowing urban residents to minimize their annual heating and cooling.

In the City of Markham in a given year, the urban forest accounts for about 226,382 tonnes of total carbon storage, 10,644 kilograms of carbon storage per hectare, 9,089 tonnes of net annual carbon sequestration and 345 kilograms of annual carbon sequestration per hectare. Since there is a positive relationship between a tree's size and the amount of carbon each individual species is able to sequester/avoid over time, it is important that we plant large shade trees that have the best possible chance at reaching maturity so as to increase the overall volume of carbon sequestered/avoided by Markham's urban forest. By strategically planting these trees on private properties, overall annual carbon storage across Markham's urban forest will increase, which can help improve local air quality for residents.

3. Energy Conservation Savings:

Trees can reduce energy use and save us money. Although every property is unique, strategically planting trees has been shown to play an important role in reducing urban energy consumption (especially during peak demand times), and in turn, lowering emissions from power plants and minimizing energy costs for residents. More specifically, planting deciduous trees can help homeowners save energy in the summer by shading homes and air conditioners and planting evergreen trees can provide protection from cold winds and keep homes warm in the winter.

For the City of Markham specifically, planting trees and shrubs will help to avoid the production of 8,100 tonnes of carbon created by power plants each year, which results in a total annual residential energy expenditure savings of \$2,092,700. This total includes savings for natural gas expenditures (\$1,441,000), electricity expenditures (\$576,000) and carbon avoided (\$75,700).

4. Stormwater Management:

During high-intensity storm events in urban areas, a large percentage of rainwater falls on impervious surfaces which then creates considerable volumes of stormwater runoff. This runoff often exceeds the capacity of urban municipal infrastructure which in turn, leads to an increase in soil erosion, property damage and the degradation of local water quality and aquatic habitat. Urban trees and shrubs play a significant role in helping to manage this runoff through leaf and branch interception, root infiltration and overall pollutant filtering, which then contributes to soil stabilization, cleaner water and the recharge of groundwater which serves as municipal drinking water. Taking these benefits into consideration, planting trees and shrubs would take some of the stress off municipal infrastructure that would otherwise combine storm and sewer overflows, leading to an increase in untreated water in our local rivers and lakes.

An i-Tree Hydro model simulation showed that a loss of existing tree cover in the West Don watershed (11%) would increase total streamflow by 1% and a loss of existing tree cover in the Upper Rouge watershed (27%) would increase total streamflow by 2.9%. With this in mind, an increase in canopy cover in Markham can help to ensure better stormwater management so as to mitigate the effects of development and human activities on the hydrologic cycle.

5. Increased Biodiversity:

With urbanization comes an increase in construction and development, which often prompts the displacement or complete removal of important, local wildlife species. The reduction in insect and animal populations, in response to the loss of key habitat and feeding areas, then leads to an overall decrease in biodiversity. By planting native trees, shrubs and perennials on private properties in Markham, we can help to increase biodiversity as we will be creating safe, protected environments that attract and support a variety of butterflies, birds, bees and other small animals.

7. Ongoing Maintenance and Monitoring Following Project Completion

At LEAF, we believe that continuous monitoring and evaluation are important tools for tracking program success and facilitating positive growth. As such, we work closely with our program participants in order to ensure the right tree gets planted in the right place with proper ongoing care and maintenance. With this practice, we can ensure that these new additions to Markham's growing canopy will survive and thrive, providing maximum benefits to urban residents for years to come. To accomplish this, we will:

1) Ask participants to contribute to a portion of the cost for their tree and to make a commitment to care for it. Our planting programs are offered to the residents of Markham at a subsidized rate, rather than free of charge, because we believe a financial contribution will provide homeowners with an incentive to commit to providing ongoing care for their tree.

2) Incorporate tree care education and stewardship as a vital part of our planting program. Education is a very important aspect of our program that helps us to ensure ongoing, long-term success. We strive to help our participants become knowledgeable and enthusiastic tree stewards by emphasizing proper tree care and maintenance throughout all stages of our program. Before the site consultation, we provide homeowners with a customized information package on such topics as healthy soil, organic lawn care, habitat creation, good and bad insects and urban wood utilization. During the site consultation, we answer any questions participants may have regarding tree care and offer tips on proper watering and mulching. During planting, we deliver our care guide that emphasizes the dos and don'ts of watering, mulching, staking, fertilizing and pruning. Furthermore, we provide access to our online video series workshop which provides homeowners with extensive information on a variety of important topics such as the importance of watering and mulching and how to properly stake your tree. We also send out a seasonal client newsletter to present and past participants in order to provide additional information and resources on tree care and maintenance.

3) Provide ongoing support for participants. Not only do we support our program participants prior to and at the time of planting, we also let them know we are available to answer any questions or concerns they may have about their trees and shrubs in future years. In addition, LEAF regularly offers presentations, workshops and outreach events to provide further educational opportunities for interested individuals and our website contains a section dedicated to client resources which provide homeowners with general tree care tips and fact sheets and a link to our request for arborist advice form. If needed, LEAF staff will also perform special site visits in order to provide our participants with the highest quality service.

4) Offer a five-year maintenance package for LEAF-planted trees at an affordable price. In 2013, we developed a five-year maintenance package for our Backyard Tree Planting Program participants. This package includes a yearly application of mulch, tree health assessments and minor pruning as needed, as well as one structural pruning in year three, four or five of the program to ensure a strong growth form in the future. This service is meant to help the trees we plant get off to the best possible start in life so they can continue to grow into large, healthy trees that will provide maximum benefits to homeowners and their community for years to come. Standalone pruning services are also offered to past clients at reasonable rates (for trees up to 14 feet in height).

5) Conduct follow-up visits of past tree plantings to confirm ongoing high quality tree selection and planting practices, sound tree health and high survival rates. Each summer, we conduct follow-up visits at randomly selected homes to assess the health of previously planted LEAF trees and shrubs. Our arborists use a variety of indicators developed by Dr. Andy Kenney at the University of Toronto to help in the assessment and we use this information for ongoing monitoring, evaluation and improvement of our planting programs. Prior to these visits, we secure permission to enter homeowner properties and upon completion, we share the results of our assessment with the homeowners, along with personalized advice for their tree(s) and/or shrub(s).

8. Measureable Benefits

For the sake of measuring and maintaining both our short and long-term successes, LEAF is committed to using a variety of tools and practices for monitoring, evaluating and improving various aspects of our program. Some of the aspects of our program we feel are important for measuring success include:

- The number of trees and shrubs planted (tracked in our participant database)
- Participant satisfaction with staff courtesy and knowledge, product quality and price and overall program (measured through our post-planting survey)
- The success of educational messaging and materials (measured through our pre-visit questionnaire and our post-planting survey)
- Tree and shrub health and survival rates (measured through site visits following planting)

In order to evaluate these indicators of success, we will first maintain a participant database in which we will store detailed information including the number and species of trees, shrubs and garden/edible kits delivered/planted, site and planting conditions, tree health when planted, tree health several years after planting, homeowner satisfaction and homeowner engagement in tree care. Tracking and evaluating this information will help us ensure a high quality of customer service, tree selection, planting practices and educational messaging.

Second, we will gather pertinent information from our participants through our pre- and post-planting questionnaires that will enable us to monitor any awareness and behavior changes resulting from participation in our Backyard Tree Planting Program. By obtaining information from homeowners, we will be able to track their motivations for planting, understanding of energy savings provided by strategically planted trees, understanding of the need to support green infrastructure, engagement and willingness to care for trees

planted on private and public property, which in turn will allow us adapt our program in a way that will meet the demands of our participants and fulfil their overall expectations of what we have to offer. In these questionnaires, we will also ask optional demographic questions in order to appropriately target our marketing demands.

Third, we will conduct follow-up health assessment visits on trees and shrubs previously planted by LEAF in order to monitor tree and shrub health and survival rates. By collecting pertinent information at these visits, we will be able to track overall growth, survival rates and tree health indicators including foliage, trunk and overall structure. This information will help us ensure we are planting the right trees and shrubs in the right place, so as to provide long-term environmental, economic, social and psychological benefits for our participants and their communities.

9. Promotion of MTFT Fund

LEAF's residential planting programs would not operate to their fullest potential without the ongoing support of our funding partners. As such, LEAF strives to ensure these partnerships remain mutually beneficial. In order to acknowledge Markham's generous contribution to the continued success of our programs, LEAF will provide recognition through various publications and communication materials, as well as through media coverage. More specifically, LEAF will recognize Markham's support through the following:

- Acknowledgement in LEAF's annual report
- Acknowledgement in the LEAF e-newsletter which currently reaches about 1600 individuals
- Recognition on LEAF's web site which receives about 68,000 unique visits per year
- Logo 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 mentions through Facebook (2154 likes) and Twitter (3977 followers) - shared and mentioned where applicable - joint events, tree tours, relevant program highlights, news etc.
- Invitation to and recognition at special LEAF events including our annual celebration
- Use of LEAF name and logo in the City of Markham promotional/educational materials (terms and conditions to be negotiated)
- Articles and other written/photographic content as requested by the City of Markham (terms and conditions to be negotiated)

10. Other Funding Sources/In-Kind Support

Other funding sources include:

York Region - \$15,000

Ontario Power Generation - \$10,000

Project Revenue (program participant fees) - \$37,000

In-kind - \$9,000

See attached budget for details.

Appendix 4C

Proposed Budget - LEAF's Backyard Tree Planting Program - Markham 2015

Item	MTFT	York Region	Ontario Power Generation	Client Fees (project revenue)	Total Cash	In-kind
Project Management - hiring, training and management of staff, project planning, partnership development, communications, promotions, media, financial management, progress reports to LEAF Board and funders		4900	4900		9800	
Office coordination (responding to inquiries, registration, consultation bookings, route planning, order and payment processing, planting notification calls, planting scheduling, ongoing client communication, database management, record keeping and status reports)	4500	5400	600		10500	
Yard consultations with property owners	4750	4700		2300	11750	
Planting	5000			8575	13575	
Follow-up/data collection, analysis and reporting			2500		2500	
IT systems and web improvements			1000	1900	2900	
Communications/printing/advertising			1000	3850	4850	
Equipment costs				1000	1000	
Plant materials (with delivery)	7000			9750	16750	
Transportation (site consultations)	750			1250	2000	
Transportation (planting)	1000			2600	3600	
						4000
Educational materials				2800	2800	
Promotions (in kind from partners)						5000
Office rent				6000	6000	
Insurance				1500	1500	
Bookkeeping				3900	3900	
Office expenses (phones, printer cartridges, etc)				1175	1175	
Totals	23000	15000	10000	46600	94600	9000

\$337 - average per-tree cost to deliver program
 \$168 - per tree subsidy
 \$169 - average per tree cost to homeowners
 280 trees
 165 homes
 average 1.7 trees and 1.4 shrubs per home