

RECEIVED

Appendix 1

FEB 08 2010

## Application Form

For Office Use Only - Project No.:

| MARKHAM OPERATIONS DEPT.  |   |                 |  |
|---|---|-----------------|--|
| <b>Group Information</b>  |   |                 |  |
| Name  | <del>Ward 1 (South) Thornhill Residents</del> 10,000 Trees for the Rouge Valley |                 |  |
| Address   | 13 Dolan Dr., Palgrave, On., L7E 0E1  |                 |  |
| Phone   | <del>905-889-1084</del> 905-880-9116  | Fax             |  |
| Email   | public.outreach@10,000trees.com   | Website Address | www.10,000trees.com<br><del>www.thornhillwardone.com</del> |
| Charitable/Non Profit Organization registration # (if applicable) | Our Group has a bank account in the name of our organization                    |                 |  |
| 1298 14729 R001   | Yes <input type="checkbox"/> No <input type="checkbox"/>                        |                 |  |

Briefly describe what your group does:

10,000 Trees for the Rouge was formed to reforest areas within the Rouge Valley watershed. Using all volunteers, we plan and hold a one day planting event in late April. Subsequent re-planting and maintenance is done by the planning committee. To date we have restored over 150 acres of watershed and planted 145,000 trees & shrubs.

| Project Manager |  | Additional Contact |                      |
|-----------------|--|--------------------|----------------------|
| Name            | <del>George Jenkin</del> Colin Creasey | Name               | Karen Cornell        |
| Title           | <del>President</del> Chairman          | Title              | Site preparation     |
| Phone (work)    | 905-450-4634                           | Phone (work)       | n/a                  |
| Phone (home)    | <del>905-889-1084</del> 905-880-9116   | Phone (home)       | 905-294-5454         |
| Email           | cpc42@rogers.com                       | Email              | k.cornell@rogers.com |

| Project Summary                                |  |
|--|--|
| Title  | 21 <sup>st</sup> Annual Planting and Restoration Project                                       |
| Location of Project                            | <del>Ward 1 (South) Thornhill Residents</del> N. Side of Cousens Parkway, E. of 9th line       |
| Name of Registered Owner of the Lands          | <del>Town of Markham</del> Town of Markham. Adjacent land is owned by TRCA or Transport Canada |
| Address of Registered Owner of the Lands       | <del>101 Town Centre Blvd, Markham ON L3R 9W3</del> 101 Town Centre Blvd., Markham L3R 9W3.    |
| Contact Name for Registered Owner of the Lands |  |
| Phone # Registered Owner of the Lands          |  |

Request for Spring Funding ✓

Duration (months, )

|                       |  |                    |                                     |
|-----------------------|--|--------------------|-------------------------------------|
|                       |  | maximum 12 months) |                                     |
| Request for           | Spring Funding <input checked="" type="checkbox"/> | Fall Funding       | Either                              |
| Start Date of Project | <del>March 30, 2009</del> Apr. 1, 2010             | End Date           | <del>March 30, 2009</del> Oct. 2010 |

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 workplan 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 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        | \$ 131,547. | Amount requested from the MTTF | \$ 7,500   |
| Amount from other sources | \$ 61,285   | In- Kind support hours         | \$ 52,762. |

**BUDGET FORM** See attachment, next page for details

See attachment, next page for details

[illegible]

### Other Expenses

| BUDGET Part 3 – Other Expenditures |              |           |                |                 |                |                |
|------------------------------------|--------------|-----------|----------------|-----------------|----------------|----------------|
| Other Expenditures                 |              | Costs     |                | Funding Sources |                |                |
| Item                               | No. of Units | Unit Cost | Total Cost     | EcoAction       | Other          |                |
|                                    |              |           |                |                 | Cash           | In-kind        |
| Picnic Tables and Waste Pick-up    |              |           | 2000           | 0               | 0              | 2000           |
| Insurance                          |              |           | 750            | 0               | 750            | 0              |
| Stamps, Flyer, Photocopying        |              |           | 2250           | 0               | 1900           | 350            |
| Film Development                   |              |           | 200            | 0               | 200            | 0              |
| Website Hosting                    |              | 250/year  | 250            | 0               | 250            | 0              |
| <b>Sub-total</b>                   |              |           | <b>\$5,700</b> | <b>0</b>        | <b>\$3,450</b> | <b>\$2,250</b> |

303. 777. 700 ext.2222 Fax 303. 370-1550. Photos may be posted on the Town's website.

## BUDGET Part 2 – Materials, Supplies and Equipment

| Material, Supplies and Equipment                         | Costs                       |              |                | Funding Sources |                 |                              |
|--|-----------------------------|--------------|----------------|-----------------|-----------------|------------------------------|
|  | Item                        | No. of Units | Unit Cost      | Total Cost      | EcoAction       | Other                        |
|  |                             |              |                |                 |                 | Cash      In-Kind            |
|  | Native Trees and Shrubs     | 6,500        | 5.07           | 33,000          | 15,000          | 18,000      0                |
|  | Walnut Seeds (stratified)   | 1000         | 0.85           | 850             | 850             | 0                            |
|  | Wildflower Plugs            | 1500         | 1.20           | 1800            | 1000            | 800      0                   |
|  | Wildflower Seeds            | 0.5kg        | \$400/kg       | 200             |                 | 200      0                   |
|  | Cover-crop Seeds            | 10           | \$15/kg        | 150             |                 | 150      0                   |
|  | Tree Guards & Brush Mats    | 3,500        | 1              | 3,500           | 1,000           | 2,500      0                 |
|  | Tree Stakes                 | 100          | 8.50           | 850             | 0               | 850      0                   |
|  | Peat Moss                   | 25 bales     | 12             | 300             | 0               | 300      0                   |
|  | Silvicultural Tarps         | 2            | 140            | 280             | 0               | 280      0                   |
|  | Shovels & Buckets           | 130          | 13.07          | 1700            |                 | 1200      500                |
|  | Generator                   | 1            | 50             | 50              | 0               | 0      50                    |
|  | Barbecue Lunch Supplies     | 1000         | \$2/lunch      | 2000            | 0               | 2000      0                  |
|  | Barbecues                   | 10           | 100            | 1000            | 0               | 0      1000                  |
|  | Truck                       | 0            | 0              | 400             | 0               | 400      0                   |
|  | Toilets & Washstands        | 4            | 225            | 900             | 0               | 900      0                   |
|  | ATV's                       | 0            | 0              | 1,000           | 0               | 0      1,000                 |
|  | Tractor & Soil Preparation  | 1            | \$1,051.25/day | 4205            | 0               | 2705      1500               |
|  | Walkie-Talkies              | 10           | 30             | 300             | 0               | 0      300                   |
|  | Sign-in Tent                | 1            | 450            | 450             | 0               | 0      450                   |
|  | Storage Space               | 1            | \$100/month    | 1,200           | 0               | 1200      0                  |
|  | Water pump & Hose           | 1            | \$250/day      | 1000            | 0               | 0      1000                  |
|  | Floating Bridge             | 1            | \$750/week     | 1500            | 0               | 0      1500                  |
|  | Lumber for ramps & railings | 125          | \$10/piece     | \$1,250         | 0               | 1250      0                  |
|  | Replacement Trees & Shrubs  | 700          | 10             | 7000            | 1000            | 6000      0                  |
| <b>Sub-total</b>   |                             |              |                | <b>\$64,885</b> | <b>\$18,850</b> | <b>\$38,735      \$7,300</b> |
| <b>Budget Part 2 – Materials, Supplies and Equipment</b> |                             |              |                |                 |                 |                              |

## **Description of the Project Team**

Our volunteer executive consists of a core of people who have been with us for 10 to 20 years organizing our well respected, annual, one day planting event. The team is completed with newer members who assist in the many tasks that have led to our continued success. Among the current members are a registered forester, an engineer, an inventor, an arborist, an accountant, several teachers, and graduates of university environmental science or forestry programs. Members may contribute to one, or several committees.

### **Public Relations Committee**

Politicians and sponsors are invited to attend the event and take part in the ceremonial tree planting. All the local media, print, radio, and television are contacted approximately one month prior to the event, and again the week before the event. Frequently, the Toronto Sun, Toronto Star, CFTO, CFTR, City TV, and ethnic media report the planting. All levels of government are notified. Previous on-site interviews by local media have highlighted the co-operation and participation of the Town of Markham as well as that of the Rouge Park.

### **Volunteer Committee**

A flyer for the event is designed and is mailed out to volunteers on our mailing list. The same flyer is sent to church groups, scouting groups, school environmental clubs, and is posted in local community centers and libraries.

### **Fundraising Committee**

The search for new funding is an ongoing necessity as well as the maintenance of relations with existing in-kind and monetary sponsors. Applications are prepared and presented, and final reports are written up to satisfy various requirements.

### **Landscape Committee**

This committee works with the forester on implementing the site design. Once species are selected, tenders are sent out to suppliers. Upon delivery of stock, they organize it and move it to the proper planting locations, and heel it in to maintain roots. Deer fences are erected for vulnerable species in some areas. When necessary, bridges are built to enable volunteers to reach the planting areas safely. Planting managers are trained in advance on proper tree planting techniques and on planting day they lead groups to specific areas and teach about tree planting.

### **Site Preparation**

This committee ensures that equipment and services are on site. Shovels, buckets, tents, signs, water pumps, hoses, tree guards, tables, etc. are transported from storage and replaced if necessary. Safety services are engaged. St. John's Ambulance is on site for the planting and police are hired to direct traffic. Portable washrooms are arranged. Food and drink are arranged. At day end, this committee cleans up.

## **Project Overview**

The purpose of this project is to restore 6.5 acres of a 12 acre floodplain adjacent to the Little Rouge River. It is the first step in a multiphase effort to restore biodiversity to a floodplain that had been in agricultural use since pioneer settlement until it was abandoned approximately 25 years ago. The second stage is to transform about 3 acres of the floodplain into a swamp ecosystem during Aug. 2010. That project will be implemented by 10,000 Trees volunteers and the Toronto Region Conservation Authority using \$20,000.00 of funds already secured by 10,000 Trees and provided exclusively by Canon Canada Inc. The last phase is to naturalize the remaining 2.5 acres of the floodplain in 2011.

## **Project Plan**

### **1. Workplan with Timelines including Monitoring and Follow Up Maintenance**

|                |  |
|----------------|--|
| Project start  | -Upland meadow to be seeded with cover crop  |
| April 1, 2010  | -black walnut direct seeding<br>-wildflower plugs<br>-distribute wood chips to planting areas<br>-Receive trees, locate, heel in<br>-erect signs<br>-install temporary bridge supplied by TRCA<br>-instruct planting managers          |
| Planting Day   | -Supervise and coordinate volunteers during planting   |
| April 25, 2010 | -install tree guards, erect deer circles<br>-fertilize trees in protected areas to reduce transplant shock<br>-photograph site; clean-up.  |
| May            | -Monitor trees and shrubs for initial viability; that buds flushed and leaves emerged<br>-Monitor for insect herbivory(caterpillars etc.)<br>-monitor for wildlife use   |
| June           | -mow weeds where necessary<br>-photograph site   |
| July – Aug.    | -Complete installation of fencing against deer browsing<br>-fertilize and water where needed<br>-cut weeds again if necessary<br>-conduct regeneration survey on previous year's site<br>-monitor for wildlife use<br>-photograph site |
| Sept – Oct     | -Replant areas where survival was poor<br>-conduct a formal regeneration survey  |

## **2. Detailed Site and Planting Plans**

Please see the attached 2010 plan drawn up by forester Marshall Buchanan

### **Environmental Benefits**

- 1) Increase native species cover by 6.5 acres
- 2) Increase linear riparian zone trees by at least 500 metres
- 3) Increase diversity of native species by adding 10 new-to --the-site native species
- 4) Increase diversity of native flora by planting 1500 wildflower plugs which may reduce pollinator decline
- 5) Demonstrate the viability of direct seeding as a reforestation technique
- 6) Provide hands-on learning and education for participants via training provided by planting managers, and educational posters which are placed on site, and species signs which name the plant materials being used.
- 7) As the plants grow, they will connect forest fragments to increase continuous forest cover and reduce edge effects. Improve air quality. Provide wildlife habitats.
- 8) Reducing the peak flow volume and intensity(from rain) by storing and conserving water
- 9) Reduce agricultural run-off
- 10) Over time, displace alien species / non-native vegetation

### **Maintenance and Monitoring**

The executive of 10,000 Trees for the Rouge maintains and monitors the site subject to funding. Approximately \$5,000. is set aside to provide for re-planting, mowing, fertilizing, fencing, mulching, watering.

Contact: Colin Creasey, Chairman  
Tel: 905-450-4634 (work)  
905-880-9116 (home)

### **Promoting Markham Trees for Tomorrow**

#### **Flyer**

Markham's logo is prominent on our flyer which is mailed out to all of the volunteers that we keep on our data base. We have a sign-in procedure that helps us keep this list up to date with people who have been coming to our planting for years, as well with people who are newcomers. The same flyer is sent to church groups, scout and guide groups, school environmental clubs, and is posted in community centers and libraries.

#### **Site Sign**

Markham's logo is placed on our site sign along with those of our other funders.

**Media**

All of the local media - print, radio, television, are contacted by our Public Relations committee about a month before the event. They are contacted again the week of the planting. Coverage in recent years has been excellent. Town of Markham, specifically Trees for Tomorrow, is usually represented as invitations are sent to municipal, provincial and federal politicians. At a ceremonial tree planting we thank all of our sponsors including Trees for Tomorrow. Interviews provide another opportunity to acknowledge the support of the Trees for Tomorrow fund.

**Website**

We maintain a website where visitors can see the names of our sponsors year round.

**Other Funding and In-Kind Support**

Please see the attached Budget outlining Source Contributions.

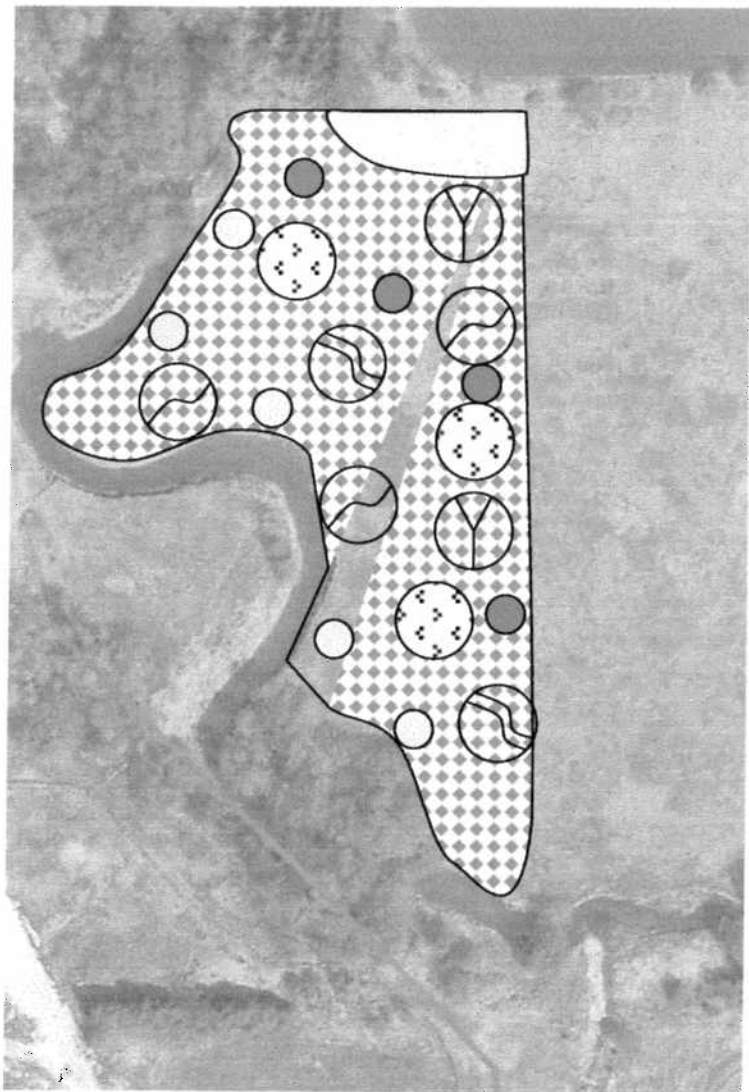
**Educational Sign Component**

The site sign gives information to the planters and to passing traffic indicating which group is responsible for the planting and the general purpose of the work. It acknowledges all sponsors as partners in the project.

We put up a sign close to the entrance on proper tree planting and do a hand dug example to illustrate depth, and root placement.

Signs are placed throughout the site so that planters learn the names of the species they are planting.





**LEGEND**

- 150 White Pine
- 1500 Cottonwood
- 700 Balsam Poplar
- 1500 White Cedar
- 100 Silver Maple
- 100 Red Maple
- 125 White Birch
- 166 Tamarack
- 100 Elderberry
- 200 Red Osier Dogwood

**PLANT LIST SUMMARY**

- 150 White Pine
- 1500 White Cedar
- 500 Tamarack
- 1500 Eastern Cottonwood
- 800 Balsam Poplar
- 300 Red Maple
- 300 Silver Maple
- 250 White Birch
- 800 Red Osier Dogwood
- 400 Elderberry

|                           |  |                  |
|---------------------------|--|------------------|
| 2010 Spring Tree Planting | 10,000 Trees for the Rouge                                   | November 3, 2009 |
| Scale: 1 cm = 30 metres   | Drawing: Marshall Buchanan, Registered Professional Forester |                  |



# Markham Trees for Tomorrow Fund

## Photo Consent and Release Form

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

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

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

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

| Contact Information |                   |          |      |             |                      |
|---------------------|-------------------|----------|------|-------------|----------------------|
| Signature           | Karen Cornell     |          | Date | Feb 8, 2010 |                      |
| Address             | 5 Sir Ector Court |          |      |             |                      |
| Town                | Markham           | Province | On   | Postal Code | L3P 2W6              |
| Telephone           | 905-294-5454      |          |      | Email       | K.Cornell@rogers.com |
| Town of Markham:    |                   |          |      |             |                      |
| Town Representative |                   | Date     |      |             |                      |



*~ Draft Flyer. Final will include time.*

**10,000 TREES**  
FOR THE ROUGE

Come help us plant trees in  
the Rouge Valley

**Sunday, April 25<sup>th</sup>, 2010**

We hope to see you there!

Do you want to...

- turn empty fields into growing forests?
- spend some time outdoors?
- help green our city?

**What should you bring?**

- ✓ a shovel & bucket
- ✓ work gloves
- ✓ waterproof boots
- ✓ your family and friends
- ✓ your appetite – lunch provided

**STUDENTS:** need community service hours?  
Just sign in at the registration tent before you plant.

You can **DONATE** on planting day

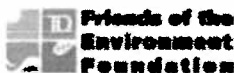
Over the past 21 years, 10,000 Trees has reclaimed over 150 acres of fragile watershed lands and planted 145,000 trees. But we couldn't do it without the energetic participation of everyone that comes out to plant. Thank you! You help make a difference in the future of our city.

For more information, or to volunteer for other activities, contact us!

[publicoutreach@10000trees.com](mailto:publicoutreach@10000trees.com)

[www.10000trees.com](http://www.10000trees.com)

thanks to our sponsors for their generous support!



Please fill out the information below and bring this form with you to the planting.

Hand this in at the registration tent so we can let you know about next year's planting!

Do you already receive our flyer in the mail?

Yes

No

FIRST NAME

LAST NAME

STREET NUMBER & NAME

SUITE/APT #

CITY

PROV.

POSTAL CODE

Number of people in your group:

How did you hear about this event?

☐  
☐  
☐  
☐

Flyer

Newspaper

Internet

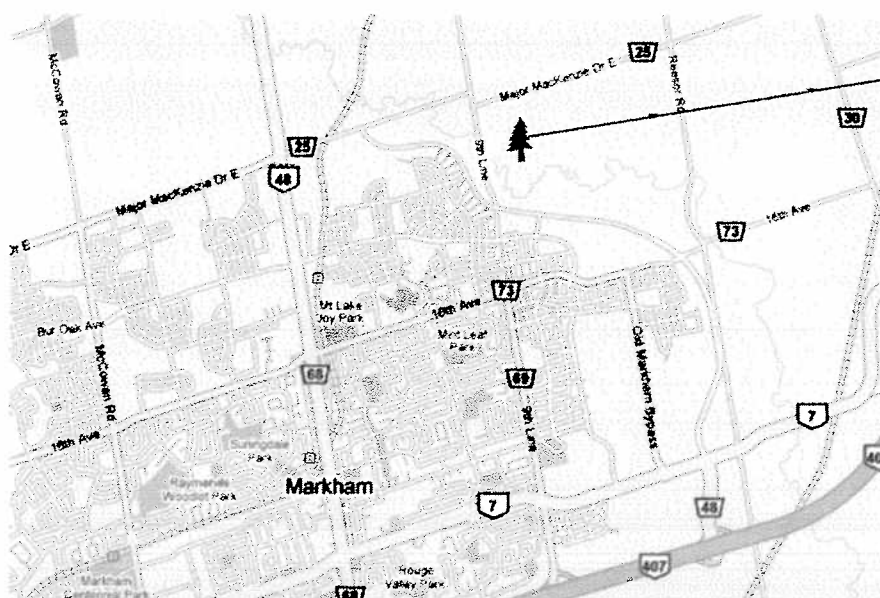
Community group

☐  
☐  
☐

At school

Service club

Friend or relative



10,000 Trees planting site

The planting site is on the north side of Donald Cousens Parkway just east of 9th Line.

10,000 Trees for the Rouge Valley  
SPRING PLANTING BUDGET - 2010

|  | Project<br>Payments<br>\$ | In Kind<br>Donations<br>\$ | Value of<br>Project<br>\$ |
|--|---------------------------|----------------------------|---------------------------|
| <b>SERVICES</b>                        |                           |                            |                           |
| Executive Meetings                     |                           | 1,700                      | 1,700                     |
| Sub-committee Meetings                 |                           | 1,594                      | 1,594                     |
| Training planting managers             |                           | 425                        | 425                       |
| Volunteers to plant trees              |                           | 36,125                     | 36,125                    |
|  | -                         | 39,844                     | 39,844                    |
| <b>ADMINISTRATION</b>                  |                           |                            |                           |
| Insurance                              | 750                       |                            | 750                       |
| Sign-in / Flier / Newsletter           |                           | 100                        | 100                       |
| Accounting                             | 500                       | 306                        | 806                       |
| Stationary                             | 300                       | 100                        | 400                       |
| Typing                                 |                           | 136                        | 136                       |
|  | 1,550                     | 642                        | 2,192                     |
| <b>SITE PREPARATION</b>                |                           |                            |                           |
| Police services                        | 650                       |                            | 650                       |
| St. John Ambulance                     | 200                       |                            | 200                       |
| Food / Beverages                       | 2,000                     | 600                        | 2,600                     |
| Preparation of site                    |                           | 2,040                      | 2,040                     |
| Road & Tree Signs                      |                           | 136                        | 136                       |
| Town of Markham                        |                           | 2,000                      | 2,000                     |
| Ramp building                          | 0                         | 750                        | 750                       |
|  | 2,850                     | 4,776                      | 7,626                     |
|  | 2,000                     | 2,000                      | 4,000                     |
| <b>FUNDRAISING</b>                     |                           |                            |                           |
| <b>ECOLOGICAL PLANNING</b>             |                           |                            |                           |
| Forestry Consultant                    |                           | 4,000                      | 4,000                     |
| Toronto Regiona Conservation Authority |                           | 1,000                      | 1,000                     |
|  |                           | 5,000                      | 5,000                     |
| <b>EQUIPMENT/MATERIALS</b>             |                           |                            |                           |
| <b>Rental</b>                          |                           |                            |                           |
| Storage space                          | 600                       | 600                        | 1,200                     |
| Sign-in tent                           |                           | 450                        | 450                       |
| Walkie Talkies                         |                           | 300                        | 300                       |
| Tractor(s) -scarification              | 1,955                     | 1,000                      | 2,955                     |
| Tractor(s) -seeding                    | 750                       | 500                        | 1,250                     |
| ATVs                                   |                           | 1,000                      | 1,000                     |
| Toilets / Washstands                   | 900                       | -                          | 900                       |
| Shovels & Buckets                      | 1,200                     | 500                        | 1,700                     |
| Truck                                  | 400                       |                            | 400                       |
| Barbecues                              |                           | 1,000                      | 1,000                     |
| Irrigation supplies                    | 100                       | 1,000                      | 1,100                     |
| Generator                              |                           | 50                         | 50                        |

10,000 Trees for the Rouge Valley  
 SPRING PLANTING BUDGET - 2010

Explanation

| Project<br>Payments | In Kind<br>Donations | Value of<br>Project |
|---------------------|----------------------|---------------------|
| \$ 5,905            | \$ 6,400             | \$ 12,305           |

2

3

10,000 Trees for the Rouge Valley  
SPRING PLANTING BUDGET - 2010

| Explanation                                       | Project<br>Payments<br>\$ | In Kind<br>Donations<br>\$ | Value of<br>Project<br>\$ |
|---|---------------------------|----------------------------|---------------------------|
| <b>Materials</b>                                  |                           |                            |                           |
| Floating Bridge                                   |                           | 1,500                      | 1,500                     |
| Lumber for ramps & railings                       | 1,250                     | -                          | 1,250                     |
| Stakes, fencing, fertilizer                       | 850                       |                            | 850                       |
| Heeling in Material                               | 300                       |                            | 300                       |
| Silvicultural Tarps                               | 280                       |                            | 280                       |
| Mulch delivery                                    |                           | -                          | -                         |
| Mulch material                                    |                           | -                          | -                         |
| Habitat structures                                |                           | -                          | -                         |
| Shovels & Buckets                                 |                           | -                          | -                         |
| (snags & ground level) / (drill holes / erection) |                           | -                          | -                         |
| Tree guards/Brush mats                            | 3,500                     |                            | 3,500                     |
| (3,500 @ \$1.00)                                  | 6,180                     | 1,500                      | 7,680                     |
| <b>Plant Material</b>                             |                           |                            |                           |
| Tree Saplings                                     | 33,000                    |                            | 33,000                    |
| Black Walnut Seeds (stratified)                   | 850                       |                            | 850                       |
| Wildflower Plugs & Seeds                          | 2,000                     |                            | 2,000                     |
| Covercrop Seeds                                   | 150                       |                            | 150                       |
| Tree ordering                                     |                           | 500                        | 500                       |
| Tree delivery, heeling in                         |                           | 1,000                      | 1,000                     |
|   | 36,000                    | 1,500                      | 37,500                    |
| <b>MAINTENANCE</b>                                |                           |                            |                           |
| Contractor  | 2,500                     |                            | 2,500                     |
| (1 people @ \$50.00 x 40 hrs.)                    |                           |                            |                           |
| Deer Fence  |                           | 1,020                      | 1,020                     |
| 12 Scouts @ 8.50/hr x 10 hrs                      | 7,000                     |                            | 7,000                     |
| Replacement Trees                                 | 900                       |                            | 900                       |
| Regeneration Report                               |                           |                            |                           |
|   | 10,400                    | 1,020                      | 11,420                    |
| <b>ADVERTISING &amp; PROMOTION</b>                |                           |                            |                           |
| Materials for fundraising                         |                           |                            |                           |
| Flyer   |                           | 100                        | 100                       |
| Labels & Printing                                 | 1,200                     | 300                        | 1,500                     |
| Stamps for volunteer mailing                      | 400                       | 80                         | 480                       |
| Photocopying                                      | 600                       |                            | 600                       |
| Photo developing                                  | 100                       | 150                        | 250                       |
| Site sign   | 200                       |                            | 200                       |
| Data base/Website management                      |                           | -                          | -                         |
|   | 2,500                     | 600                        | 850                       |
|   | 2,750                     | 1,230                      | 3,980                     |
| <b>TOTAL PROJECT COST</b>                         | <b>67,635</b>             | <b>63,912</b>              | <b>131,547</b>            |

## Neighbourhood Environmental Science and Technology

1320 Scotch Bush Road, Douglas, ON, K0J 1S0 (613) 649-0098



October 29th, 2009

To Whom it May Concern:

The organization known as 10,000 Trees for the Rouge will be undertaking its 21st Annual Wildlife Habitat Restoration Project during the spring of 2010. I have provided advice on restoration ecology, environmental planning and silvicultural prescriptions to this organization for many years.

I am writing this letter to certify that the ecological planning, soil surveys and the species selected (i.e. plant material list) for the 2010 restoration project, was performed by Marshall Buchanan, a Registered Professional Forester (Province of Ontario) in good standing. I have also reviewed various aspects of these ecological plans with restoration managers at the Toronto Region Conservation Authority (Gord MacPherson & Karen McDonald) and and at the Rouge Park (Bob Clay). To this end, approximately \$4,000.00 of expertise is donated in-kind to support this project for 10,000 Trees for the Rouge

Yours truly,

*Marshall Buchanan*

Marshall Buchanan, B.Sc.F. M.Sc.F., R. P.F.







## ***Sixth Pickering Amberlea Venturers***



1774 Eastbank Road, Pickering, Ontario L1V 3J9

Tele: 905-420-9022

Fax: 905-427-2246

October 2, 2009

10,000 Trees for the Rouge  
1320 Scotch Bush Rd., RR 2  
Douglas, ON K0J 1S0

Attn: Mr. Marshall Buchanan

Dear Marshall:

This letter is to confirm that Sixth Pickering Venturer Company and our newly formed Rover Crew will again contribute in excess of one hundred man-hours of labour for site preparation and site support activities for your 2010 Spring planting.

This marks a milestone for Sixth Pickering Scouting Group, being our 20<sup>th</sup> year of participation.

Regards,

Ross W. Gladwell  
Venturer and Rover Advisor

10,000  
FOR THE ROUGE

Mr. John Johnson  
John Johnson Landscaping and Maintenance  
63 Poplar Road  
Scarborough, ON M1E 1Z2

October 20, 2009

**RE: ATV use – in-kind donation**

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Dear John:

10,000 Trees for the Rouge is now planning its 2010 project. We are very pleased that you will be providing ATVs for this project. If you would be good enough to confirm this in-kind donation in the space below it would be much appreciated – a few of our funders ask that we provide written confirmation of in-kind donations as part of their application process.

Thank you for your offer, and of course, for past help.

Sincerely,



Dawn Farara  
10,000 Trees for the Rouge  
Tel: 416-281-8055  
Email: [dfarara@gmail.com](mailto:dfarara@gmail.com)  
Mailing address: 42 Holmcrest Trail, Scarborough, ON M1C 1V5

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John Johnson Landscaping and Maintenance will provide ATVs for the 10,000 Trees for the Rouge 2010 project. The approximate value of this donation in-kind is \$1,000.



---

John Johnson

Date

Oct. 20 2009

# Restoration of Priority Rouge Park Sites in Markham Application by FRW to Markham Trees for Tomorrow



Toyota Canada Family Day Planting May 30 2009 Trees for Tomorrow



Markham and FRW Staff at Planting



Earth Day Dignitaries and Students (BHMP)



Planting BHMP Spring 2009



Follow-up watering by FRW (BHMP)

Markham Trees for Tomorrow Fund  
February 12, 2010

# 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                                  | 416-396-3292   |
| Email  | colin@frw.ca , jimrobb@frw.ca   | Website Address                      | www.frw.ca   |
| Charitable/Non Profit Organization registration #<br>(if applicable)   | Our Group has a bank account in the name of our organization<br><br>Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |                                      |  |
| <b>88878 1028 RR0001</b>   |   |                                      |  |
| Briefly describe what your group does:<br><br>FRW's mandate is to work with youth and community to protect, enhance and restore watershed and ecosystem health, beauty and integrity. To accomplish this, FRW forms productive conservation partnerships with schools, community groups, religious organizations, businesses, municipalities, provincial and federal agencies, community leaders, foundations and environmental groups.<br><br>FRW was established in 1991 as an all volunteer organization. Since 1997, we have increased our operations from a few yearly environmental events to more than 120 youth and community planting and environmental education days each year. We are dedicated to improving watershed, ecosystem and community health through environmental education, responsibility and action. |   |                                      |  |
| Project Manager  |   | Additional Contact                   |  |
| Name   | Jim Robb  | Name                                 | Colin O'Neill  |
| Title  | General Manager   | Title                                | Restoration Project Coordinator                          |
| Phone (work)   | 416 208 0252  | Phone (work)                         | 416 208 0252   |
| Phone (home)   | 647 891 9550 (cell)   | Phone (home)                         | 416 624 5799 (cell)                                      |
| Email  | jimrobb@frw.ca  | Email                                | jimrobb@frw.ca   |
| Project Summary  |   |                                      |  |
| Title:   | Restoration of Priority Rouge Park Sites in Markham   |                                      |  |
| Location of Project  | Rouge Park and BHMP – Table and maps attached   |                                      |  |
| Name of Registered Owner of the Lands  | Toronto and Region Conservation Authority   |                                      |  |
| Address of Registered Owner of the Lands   | 5 Shoreham Drive, Toronto, ON,  |                                      |  |
| Contact Name for Registered Owner of the Lands   | Bob Clay (905-713-6022) / Ron Dewell (416-661-6600)   |                                      |  |
| Phone # Registered Owner of the Lands  |   | Duration (months, maximum 12 months) | 9 months   |
| Request for: \$30,000  | Spring Funding: <input checked="" type="checkbox"/>   | Fall Funding                         | <input type="checkbox"/> Either <input type="checkbox"/> |
| Start Date of Project  | April 2010  | End Date                             | December 2010  |

### **Detailed Site and Planting Plans: Attached**

- a) a Map showing the location of the two 2010 planting sites in Markham;
- b) Restoration Plan Maps for our Planting Sites; and
- c) a table with the numbers and species of trees, shrubs, wildflowers and grasses for each site.
- d) a Workplan with follow-up maintenance schedules

Planting sites 1 and 2 are approved by Rouge Park. On February 17, 2010, FRW is meeting with Bob Clay (Rouge Park) and Gord MacPherson (TRCA) to assess site 3. Site 3 is a non-farm area within the Little Rouge Valley just north of the Hamlet of Cedar Grove. We will provide updates via Email ASAP.

### **Who will maintain and monitor the project after completion?**

FRW will water and maintain the planted trees and shrubs for a few years until they are free-to-grow. The long term maintenance of these sites will be the responsibility of the Rouge Park (Bob Clay 905-713-6022) and the TRCA (Ron Dewell - 416-661-6600), the land manager/owner.

FRW conducts follow-up watering and maintenance until the trees are free-to-grow. Watering and maintenance are vital to planting success, particularly during summer droughts. FRW has a trailer mounted 350 gallon watering tank, a Honda pump and several hundred feet of two inch hose. With our experience and follow-up summer watering and maintenance, most FRW plantings enjoy a first year survival rate of 75% for hardwoods and 90% for evergreens.

FRW employs co-op students and foreign exchange students to help surround plants with mulch, protect them with rodent guards, provide water and monitor for survival and growth. Watering helps the transplanted trees to survive drought conditions until their roots get re-established. Mulch is placed around the trees to conserve water, moderate soil temperature and reduce weed competition.

Photographs and field surveys will document site conditions before and after plantings and we will record flora and fauna and habitat use. FRW naturalist volunteers supplement our staff monitoring of vegetation, birds, mammals, amphibians and reptiles, butterflies and insects. Experts from the Toronto Zoo such as Bob Johnson and Tom Mason join FRW on amphibian and butterfly surveys and provide valuable feedback and support.

After a few years of maintenance, the plantings should be free to grow. With each passing year, the planted trees will: increase geometrically in size, beauty and biomass; store, recycle and purify more water; absorb more CO<sub>2</sub> and filter more air pollutants; improve more soil with fertile leaf mulch; and provide more habitat and food for native birds and wildlife. By the time the planted trees, shrubs and wildflowers begin to decline, seed and site conditions should be suitable for natural regeneration of a self-perpetuating climax hardwood forest.

### **How will you promote the Markham Trees for Tomorrow Fund with this project?**

As seen in our cover photos of 2010 plantings, FRW will proudly display Markham's Trees for Tomorrow banner at our planting events with school, community and corporate partners. FRW will also acknowledge Markham's TFT support through media releases, newsletters and our website. FRW events attract many dignitaries (Mayor Scarpitti, Hon. Michael Chan, etc in 2010), and good media coverage. For 2010, FRW already has more than thirty schools, including Markham Schools, booked for our spring plantings. Our planned school, community and corporate plantings in 2010 include:

|                                 |                                      |
|---------------------------------|--------------------------------------|
| Cedarwood Public School         | All Saints Catholic Secondary School |
| Little Rouge Public School      | William Armstrong Public School      |
| Lincoln Alexander Public School | Wilclay Public School                |
| Highgate Public School          | Markville Secondary School           |
| Deloitte Canada                 | Unilever Canada                      |
| Telus Canada                    | Toyota Canada                        |
| Sobeys                          | Home Depot                           |

### **FRW will also highlight this project through:**

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

A **Markham Trees for Tomorrow** banner will be displayed on planting days and FRW will take the volunteers on an educational nature walk after the planting.

**FRW Project Expenses 2010**  
**Restoration of Priority Rouge Park Sites in Markham**


| Description  | Units     | Unit Cost         | Cash Total     | MTFT Cash     | Other Cash     |
|--|-----------|-------------------|----------------|---------------|----------------|
| <b>Materials, Supplies, Equipment</b>  |           |                   | <b>91,800</b>  | <b>30,000</b> | <b>61,800</b>  |
| Pine, spruce, cedar, tamarack (2+2, 30 cm BR)  | 8000      | \$1.00/tree       | 8,000          | 4,000         | 4,000          |
| Pine (B & B, 60 to 80 cm)  | 200       | \$20/each         | 4,000          | 1,000         | 3,000          |
| Native deciduous trees (150 cm BR) avg.  | 1,200     | \$ 7/each         | 8,400          | 3,000         | 5,400          |
| Native deciduous trees (150+ cm potted) avg.   | 2,000     | \$10/each         | 20,000         | 8,000         | 12,000         |
| Native shrubs (50 to 60 cm height, potted)   | 1,500     | \$ 8/shrub        | 12,000         | 5,000         | 7,000          |
| Native Tree and Shrub Seed (20 kg)   | 20 kg     | \$ 75/kg          | 1,500          | 500           | 1,000          |
| Native Wild flowers (20+ species)  | 5000      | \$1.80/flower     | 9,000          | 2000          | 7,000          |
| Native Tall Grass Seed   | 40 kg     | \$75/kg           | 3,000          |               | 3,000          |
| Native Wildflower Seed   | 25 kg     | \$200/kg          | 5,000          |               | 5,000          |
| Rodent guards and weed blankets  | 3,000     | \$1 each          | 3,000          | 1,000         | 2,000          |
| 2 Trucks, Water tank, pump, 2 trailers   | 50 days   | \$150/day         | 5,000          | 2,500         | 2,500          |
| Shovels, wheel barrows, buckets,   | 100 units | \$15 /unit        | 1,500          | 500           | 1,000          |
| Truckloads of Mulch and Logs   | 50 loads  | \$200/truck       |                |               |                |
| Excavators / Tractor for Site Prep. & Ponds etc  | 70 hours  | \$130/hour        | 9,100          | 2,000         | 7,100          |
| Backhoe / Bobcat for moving mulch, logs, etc   | 40 hours  | \$125/hour        |                |               |                |
| Cube van rentals (tree pick-ups)   | 6 days    | \$300/day         | 1,800          | 500           | 1,300          |
| Buses for Schools (all but 2 in-kind)  | 2 buses   | \$250 each        | 500            |               | 500            |
| <b>Other (Pro-rated, aprox. 1/2 FRW total)</b>   |           |                   | <b>8,000</b>   |               | <b>8,000</b>   |
| FRW Public Liability Insurance (\$2,000)   |           |                   | 1,000          |               | 1,000          |
| FRW Vehicle Insurance (\$2,000)  |           |                   | 1,000          |               | 1,000          |
| Project Bookkeeping (\$2,000)  | 80 hours  | \$25/hour         | 1,000          |               | 1,000          |
| Audit, T4s, GST, CCRA Returns (\$5,000)  | 30 hours  | \$70/hour         | 2,000          |               | 2,000          |
| Phones, computers, office supplies (\$5,000)   |           |                   | 1,500          |               | 1,500          |
| FRW office Rent and Other (\$4,000)  |           |                   | 1,500          |               | 1,500          |
| <b>Human Resources</b>   |           |                   | <b>62,032</b>  |               | <b>62,032</b>  |
| School Plantings (25 classes X 30 /class X 2 hrs)  | 1500 hrs  | \$10/hour         |                |               |                |
| Hillside Buses, Teacher Assistants   | 25 days   | \$400/day         |                |               |                |
| 4 Co-op Students & 6 Foreign Ex. Students  | 1000 hrs  | \$10/hour         |                |               |                |
| 3 corporate Plantings (250 vol. X 2 hr each)   | 500 hrs   | \$10/hour         |                |               |                |
| 3 youth workers (3 to 4 weeks)   | 500 hours | \$10/hour         | 5,000          |               | 5,000          |
| Summer staff water, weed and maintain sites  | 25,000    | \$0.20 plant      | 5,000          |               | 5,000          |
| Coordinate 5 business /community plantings<br>3 staff X 8 hrs/day X 5 planting + 3 set-up days | 192 hours | \$21/hour         | 4,032          |               | 4,032          |
| FRW Coordinate 25 School & 3 corp. planting days<br>3 staff X 8.3 hours/day X 40 planting days | 1000      | \$21/hour         | 21,000         |               | 21,000         |
| Mulching around trees, shrubs, wildflowers   | 20,000 5G | \$0.30/bucke<br>t | 6,000          |               | 6,000          |
| Fund-raising & Training  | 160 hours | \$25/hour         | 4,000          |               | 4,000          |
| Project Supervision, Admin. and Reporting  | 160 hours | \$25/hour         | 4,000          |               | 4,000          |
| Approvals and Partner Liaison / Meetings   | 160 hours | \$25/hour         | 4,000          |               | 4,000          |
| CRRA Payroll Deductions and WSIB   |           |                   | 9,000          |               | 9,000          |
| <b>Project Totals</b>  |           |                   | <b>161,832</b> | <b>30,000</b> | <b>131,832</b> |

## Applicant's Signature

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

If approved for funding I further acknowledge and agree:

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

Signature  Title General Manager Friends of the Rouge Watershed  
 Printed Name Jim Robb Date Feb 12, 2010

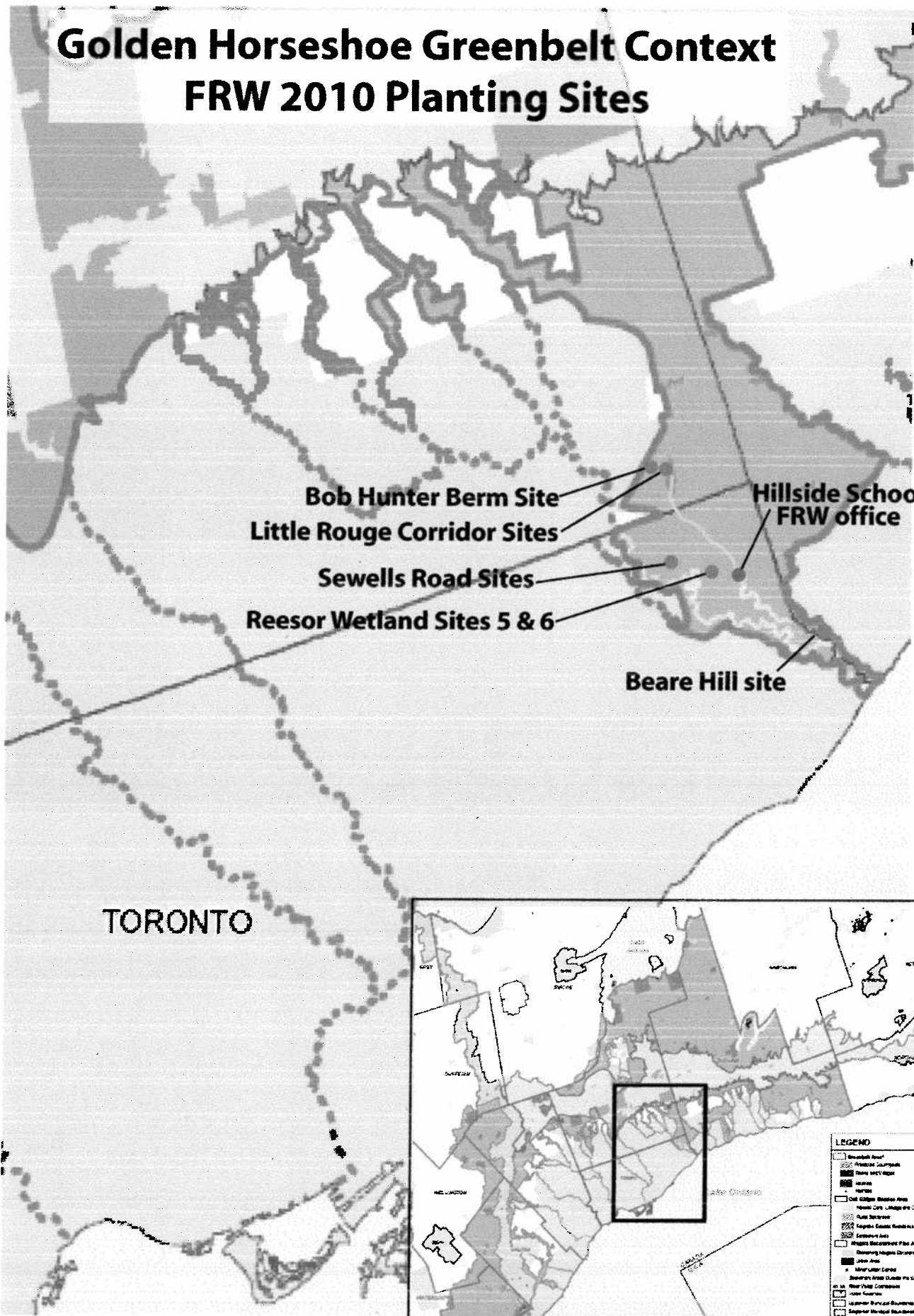
*In the event the Registered Owner of the lands is an entity other than the Town of Markham, a letter must accompany the application stating that: the Owner consents to this application; acknowledges that the proposed project complies to all its applicable policies and requirements; and, that the writer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

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

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

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



[illegible][illegible]



FRW Restoration Sites Within  
The Bob Hunter Memorial Park  
2008 - 2010



Google

© 2008 Tele Atlas  
Image © 2009 First Base Solutions

**Friends of the Rouge Watershed - 2010 Rouge Park Priority Planting Sites in Markham**

| <b>Restoration Sites</b>  | <b>Watershed</b> | <b>Site Area<br/>(ha)</b> | <b>Upland<br/>Restoration<br/>(ha)</b> | <b>Riparian<br/>Restoration<br/>(ha)</b> | <b>Wetland<br/>Restoration<br/>(ha)</b> |
|---|------------------|---------------------------|--|--|---|
| <b>Markham Site 1</b><br>Rouge Park, Little Rouge Corridor<br>North of Little Rouge, South of 14th Ave<br>(RPA approved)                    | Little Rouge     | <b>5.3</b>                | 4.3                                    | 0.8                                      | 0.2                                     |
| <b>Markham Site 2</b><br>Bob Hunter Memorial Park<br>North of 14th Ave West of Reesor Rd<br>(RPA approved)                                  | Little Rouge     | <b>2.0</b>                | 1.2                                    | 0.5                                      | 0.3                                     |
| <b>Markham Site 3</b><br>Bon Hunter Memorial Park<br>Little Rouge Valley<br>East and West of Reesor Rd<br>(approval pending, non-farm site) | Little Rouge     | <b>2.1</b>                | 0.3                                    | 1.3                                      | 0.5                                     |
| <b>Markham Subtotal</b>   |                  | <b>9.4</b>                | 5.8                                    | 2.6                                      | 1.0                                     |

**Markham TFT – Restoration of Priority Rouge Park Sites in Markham**  
**Tree, Shrub and Flower Plantings 2010**  
 by Friends of the Rouge Watershed and Partners

| Markham BHMP       | Size<br>(ha) | white<br>pine | white<br>cedar | white<br>spruce | tamar<br>ack | red<br>pine | E. red<br>cedar | tremb.<br>aspen | white<br>birch | maple<br>silv. | East<br>cotton<br>wood | sycamore | Oak<br>Hickory | white<br>elm | tulip<br>Tree | Other | Flower-<br>ing | Totals |
|--------------------|--------------|---------------|----------------|-----------------|--------------|-------------|-----------------|-----------------|----------------|----------------|------------------------|----------|----------------|--------------|---------------|-------|----------------|--------|
| FRW Tree Plantings |              |               |                |                 |              |             |                 |                 |                |                |                        |          |                |              |               |       |                |        |
| Site 1 – LRC       | 5.3          | 3,800         | 1000           | 50              | 50           | 100         |                 | 150             | 150            | 150            | 200                    | 250      | 100            | 100          | 50            | 50    | 500            | 6,700  |
| Site 2 – BHMP      | 2.0          | 600           |                | 50              | 100          | 100         |                 | 200             | 200            | 150            | 100                    | 150      | 50             |              | 100           | 100   | 500            | 2,400  |
| Site 3 - LRVC      | 2.1          | 600           | 1500           | 50              | 200          |             |                 | 200             | 100            | 100            | 200                    | 100      | 50             |              | 100           | 100   | 500            | 3,800  |
|                    | 9.4          | 5000          | 2500           | 150             | 350          | 200         |                 | 550             | 450            | 400            | 500                    | 500      | 200            | 100          | 250           | 250   | 1500           | 12,900 |

| Seeding and Wildflower Plantings by Site |               |              |                |                   |
|--|---------------|--------------|----------------|-------------------|
| Sites                                    | grass<br>seed | tree<br>seed | flower<br>seed | native<br>flowers |
| Site 1 – LRC                             | 20            | 5            | 5              | 1,000             |
| Site 2 – BHMP                            | 10            | 10           | 10             | 3,000             |
| Site 3 - LRVC                            | 10            | 5            | 5              | 1,000             |
| Column Totals                            | 40            | 20           | 20             | 5,000             |

| Flowering Shrubs by Species and Site |                  |              |                |                 |                 |              |  |  |  |
|--------------------------------------|------------------|--------------|----------------|-----------------|-----------------|--------------|--|--|--|
| choke<br>cherry                      | service<br>berry | high<br>bush | nanny<br>berry | pussy<br>willow | other<br>willow | wild<br>rose |  |  |  |
| 200                                  | 100              |              |                | 50              | 50              | 50           |  |  |  |
| 200                                  | 100              | 100          | 100            | 50              | 50              | 50           |  |  |  |
|                                      | 100              |              | 100            | 50              | 100             | 50           |  |  |  |
| 400                                  | 300              | 100          | 200            | 150             | 200             | 150          |  |  |  |

**Native Tree Seed:** bitternut hickory, shagbark hickory, black walnut, red oak, staghorn sumac, ninebark, etc (collected locally)  
**Native Grass Seed:** big bluestem, Indian grass and Canada Rye  
**Native Flower Seed:** sweet oxeye, black-eyed Susan, hoary vervain, evening primrose, etc., (collected locally)  
**Wildflowers:** fox-glove beardtongue, great blue lobelia, blue flag iris, blazing star, columbine, hoary vervain, black-eyed Susan, fireweed, bergamot, evening primrose, balsam ragwort, green headed coneflower, butterfly weed, showy tick trefoil, etc

## Restoration of Priority Rouge Park Sites in Markham – FRW Workplan 2010

| Tasks   | Season and Status                 |
|---|-----------------------------------|
| <b>Prepare for 2010 Habitat Restoration</b>                                       | <b>October 2009 to March 2010</b> |
| TRCA Archeological Clearance of Markham Sites 1 and 2 (site 3 pending)            | Completed                         |
| Prepare Restoration Plans and Budget  | Completed                         |
| Prepare Restoration Sites (Completed for Site 1)                                  | Partially completed               |
| Get Price Quotes and Order Trees and Shrubs                                       | Completed                         |
| Gain Rouge Park Alliance Approval and Funding                                     | Approved Feb. 5, 2008             |
| Fund-raise  | 40% completed                     |
| Schedule Spring 2010 Plantings with Schools and Corporations                      | 90% completed                     |
| Winter Sow 40 kg Native Grass Seed  | 50% completed                     |
| Prepare Trucks, Trailers and Equipment  | Underway                          |
| Obtain TRCA Site Access Permits   | Underway                          |
| Work with Markham, TRCA and Rouge Park to Approve and Create Frog Ponds           | Underway                          |
| Obtain sufficient shovels, buckets, mulch   | Underway                          |
| Organize and Implement Seeding Trial  | Underway                          |
| <b>Implement Habitat Restoration</b>  | <b>April to June 2010</b>         |
| Hire and train 3 seasonal workers to assist with plantings                        | Underway                          |
| Obtain and Train 4 Co-op Students   | Completed                         |
| Involve 500 students and 200 corporate volunteers in spring plantings             | Scheduled                         |
| Plant 10,000 Trees and 1000 shrubs on 3 Markham Sites 20 spring planting days     | Scheduled                         |
| Seed 20 kg of tree seed and 20 kg of wildflower seed                              | Collected and Purchased           |
| Order and plant 5,000 wildflowers on berms around frog ponds                      | Planned                           |
| Provide 25 Environmental Walks involving 1000 youth and community volunteers      | Planned                           |
| Organize 2 media events and two Tours to thank partners and Dignitaries           | Planned                           |
| Plant 500 Dense blazing star and 50 butternut                                     | Planned                           |
| Hire summer staff (1) and organize exchange student Schedule                      | Planned                           |
| <b>Water, Mulch, Monitor and Maintain</b>   | <b>July to September 2010</b>     |
| Water, mulch, weed and maintain plantings with exchange students and summer staff | Planned                           |
| Organize Butterfly, Frog and Wildlife Public Walks                                | Planned                           |
| Control Invasive Species over 1000 m2 around restoration sites                    | Planned                           |
| Create 25 new habitat structures (log and brush piles) and 10 nesting boxes       | Planned                           |
| Clean-up 100 bags of unsightly litter and sources of pollution                    | Planned                           |
| Conduct 3 bio-monitoring surveys of birds, amphibians, turtles, snakes,           | Planned                           |
| Work with Rouge Park to Plan for 2011 Restoration Sites, Archeological Clearance  | Planned                           |
| Collect and remove 50 bags of litter from project sites and nearby roadsides      | Planned                           |
| Remove 1000 m2 of invasive plants such as DSV around project sites                | Planned                           |
| Monitor Seeding Trial plots and Record Results                                    | Planned                           |
| <b>Complete Restoration Activities and Begin Plans for 2011</b>                   | <b>October to December 2010</b>   |
| Plant 1,500 Trees and 500 shrubs  |                                   |
| Involve more than 250 students and 100 corporate volunteers in fall plantings     |                                   |
| Collect 40 kg native flower seed and 40 kg native tree seed                       |                                   |
| Sow Grass and Tree Seed on 2011 sites if accessible                               |                                   |
| Develop 2011 Restoration Plans and Order Trees and Site Preparation               |                                   |
| <b>Report for 2010 and Prepare for 2011 Habitat Restoration</b>                   | <b>January to March 2011</b>      |
| Prepare 2011 Workplan   |                                   |
| Thank Partners, Submit 2010 Reports and Conduct Annual Audit                      |                                   |
| Plan and Fundraise for 2011 Restoration Projects                                  |                                   |
| Erect Nesting Boxes and clean-out past nesting boxes                              |                                   |
| Create FRW Newsletter and Update website  |                                   |
|   |                                   |

October 1, 2009

Dear Friends of the Rouge River Watershed and Prospective Partners:

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

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

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

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

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

- expansion of core habitat and linkage areas, nature reserves and ESAs in Rouge Park;
- protection and expansion of habitat for species at risk;
- reduction of runoff and erosion to improve water quality, stream flow and fish habitat;
- expansion of opportunities for compatible outdoor education, recreation and tourism;
- absorption of CO<sub>2</sub>, production O<sub>2</sub>, filtration of air pollutants and moderation of air temperature;
- involvement of youth and community volunteers in ecological education and action.

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

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

Yours truly,



Alan Wells  
Chair, Rouge Park Alliance



**Jack Heath**  
*Deputy Mayor*

November 18, 2008

Dear Potential Partners of Friends of the Rouge Watershed:

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

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

Over the last twelve years, FRW has tirelessly involved more than 35,000 students, community and corporate volunteers in the planting of more than 330,000 trees, shrubs and wildflowers to restore Rouge Park sites in Scarborough, Markham and Richmond Hill. These community plantings help Mother Nature to restore a beautiful mixture of forests, wetlands, and wildflower meadows on 1.4 km<sup>2</sup> of public greenbelt lands which link Lake Ontario with the Oak Ridges Moraine.

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

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

Yours truly,

A handwritten signature in black ink, appearing to be 'J. Heath', written over a horizontal line.

Jack Heath  
Deputy Mayor



## Hillside Outdoor Education School

2259 Meadowvale Rd., Scarborough, ON. M1X 1R2 • Tel: 416 396-6963 • Fax: 416 396-3292

September 22/09

Friends of the Rouge Watershed  
2259 Meadowvale Rd.  
Scarborough, ON  
M1X 1R2

Dear Friends of the Rouge Watershed,

The staff and students of Hillside Outdoor Education School have enjoyed our ongoing partnership with FRW since 1999. It provides students with many opportunities to plant trees and wildflowers, create habitat structures and collect wildflower seeds.

FRW projects involve students in environmental education and citizenship activities which contribute to the health and beauty of the Rouge Park and Watershed.

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

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

The estimated value of Hillside's contribution is \$26,500/year. In addition, the in-kind involvement of TDSB students and co-op students has an estimated in-kind value of \$40,000/year.

As Friends of the Rouge Watershed share office space in Hillside School, we work together on the Ontario wide EcoSchools Program. Components of this program are energy conservation, waste minimization and school ground greening.

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

We are looking forward to ongoing conservation and education partnerships with FRW.

Sincerely,

Jane Wadden  
Site Supervisor  
Hillside O.E. School  
2259 Meadowvale Rd.  
Scarborough, On.  
M1X1R2





# 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@leaf.toronto.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 |                        |
| 36953 6805 RT0001  |  | Yes  |                        |
| Briefly describe what your group does:   |  |  |                        |
| <p>LEAF is a not-for-profit organization dedicated to the protection and improvement of our urban forest. We are looking to expand our programs and services outside Toronto to Markham and other municipalities within York Region. "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. LEAF's key programs include the following:</p> <p><b>Subsidized Backyard Tree Planting Program</b> -- This program provides hands-on assistance to residents who want to plant a tree in their backyard. LEAF helps property owners select appropriate native species and planting locations. We also provide extensive education and tree care information in order to encourage proper stewardship. Species selection and planting location are decided upon together with property owners during a site consultation, and are based on site conditions (soil, light, moisture), available space, energy conservation (shade and windbreak), present conflicts (other trees, buildings, play areas, etc.) and potential future conflicts (construction or renovation). This approach helps ensure that trees will reach their maximum size and age, thereby producing maximum environmental benefits. Program participants pay a portion of the cost (approximately \$80-\$200 per tree). This includes a 45 minute on-site consultation with a certified arborist, a 5 to 10 foot tall tree and full planting service. Property owners agree to provide tree care as instructed. A wide selection of native shrubs are also available in order to enhance wildlife habitat.</p> <p><b>Education and Outreach at Community Events</b> - LEAF attends approximately 30 community events each year with our display in order to reach out to various communities. These events range from things like "Car Free Day", to City Councillor Environment Days, the Canadian National Exhibition and local community festivals. Our "Ask the Arborist" booth is particularly popular feature at these events.</p> <p><b>Workshops and Presentations</b> - LEAF provides sessions which are customized to the needs and interests of each audience. Topics vary, but central themes include: the state of our urban forest, urban tree stresses and how to alleviate them, tree biology and how trees function, planting and care of young trees, mature tree care, urban trees and gardening, and the benefits of urban forests. Some sessions are indoor presentations; others are outdoors hands-on, while some are a combination of both. We have worked with a diversity of groups, including: at-risk youth, youth in correctional programs, women's' groups, tenant groups, residents associations and school groups.</p> |  |  |                        |
| Project Manager  |  | Additional Contact   |                        |
| Name   | Michelle Bourdeau  | Name   | Janet McKay            |
| Title  | Manger, Residential Planting Programs                                    | Title  | Executive Director     |
| Phone (work)   | 416-413-9244 ext. 11   | Phone (work)   | 416-413-9244 ext. 17   |
| Phone (home)   | 416-898-1681   | Phone (home)   | 416-769-0423           |
| Email  | michelle@leaf.toronto.org  | Email  | janet@leaf.toronto.org |
| Project Summary  |  |  |                        |



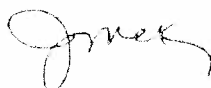
|  |                             |  |                      |
|--|-----------------------------|--|----------------------|
| Title  |                             | Backyard Planting Program                |                      |
| Location of Project                            |                             | Town of Markham – residential properties |                      |
| Name of Registered Owner of the Lands          |                             | Various                                  |                      |
| Address of Registered Owner of the             |                             |  |                      |
| Contact Name for Registered Owner of the Lands |                             |  |                      |
| Phone # Registered Owner of the Lands          |                             | Duration (months, maximum 12 months)     | 12 months            |
| Request for                                    | Spring Funding <u>  X  </u> | Fall Funding <u>  X  </u>                | Either <u>      </u> |
| Start Date of Project                          | June 2010                   | End Date                                 | May 2011             |

❖ 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)

3. to promote the Markham Trees for Tomorrow Fund on any communication materials, or signage associated with this project and will provide a detailed report on the project outlining how the funds were used to support the project upon completion of the project and no later than 1 year from receipt of the funding.
4. to allow the Town of Markham to use the project name and any images associated with the project to promote the Markham Trees for Tomorrow Program.
5. to return all unspent funds to the Town of Markham upon completion of the project.
6. that there shall be no personal benefit directly, or indirectly, from this funding and I will notify the Town of any conflict of interest situation should it arise in carrying out of the project.
7. permit the Town of Markham to claim ownership of all carbon credits and other measurable ecological services resulting from the project.

Signature



Executive Director

Janet McKay

Date: February 12, 2010

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

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

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

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

### *Description of the Project Team*

#### **LEAF Team**

Janet McKay, Executive Director – Overall project direction

Michelle Bourdeau, Manager, Residential Planting Programs – Project management and development

Erin Stevens, Residential Planting Programs Assistant- Client communications, scheduling and project administration

Michael Alkema, ISA Certified Arborist – Site consultations, education and field supervisor

Laura Storozinski, ISA Certified Arborist - Site consultations

Robin Sutherland, Manager, Marketing and Communications – Promotions, Marketing and Design

**Ryerson Team – Undertaking evaluation, monitoring and verification (EM&V) for the project**

Dr. Andrew Millward – Development of research parameters and supervision of EM&V

Chris Greene, PhD student – implementation and analysis of EM&V

#### *Project overview and detailed project plan (include workplan with timelines; detailed site and planting plans; monitoring and follow up maintenance schedules)*

This program will provide hands-on assistance to Markham residents who want to plant trees and shrubs in their yard. LEAF helps property owners select appropriate native species and planting locations through a 45 minute site consultation with a certified arborist. We also provide extensive education and tree care information in order to encourage proper stewardship. Species selection and planting location are decided upon together with property owners during the site consultation, and are based on site conditions (soil, light, moisture), available space, energy conservation (shade and windbreak), present conflicts (other trees, buildings, play areas, etc.) and potential future conflicts (construction or renovation). This approach helps ensure that trees will reach their maximum size and age, thereby producing maximum environmental benefits. Program participants pay a portion of the cost (\$100-\$200 per tree) and agree to provide tree care as instructed. Native shrubs and perennials are also available in order to enhance wildlife habitat.

Since 2008, with financial support from York Region and the Town of Markham, LEAF has planted 470 trees and shrubs and reached over 200 homeowners as part of the Backyard Tree Planting Program in Markham. We conducted a total of 154 consultations, planting 254 trees and 216 shrubs. Feedback from fall 2009 participants indicated that 50% of those individuals would not have purchased any trees without the program. All of the individuals that would have bought a tree anyway indicated that they got more trees and shrubs because of LEAF. Every single participant who answered the survey said they would recommend the program to a friend.

Based on these results we believe that there is a significant demand for LEAF services in Markham and that LEAF's program will result in satisfied customers with more trees and shrubs in the ground. Residents are pleased with our service and recommend it to others.

#### **This project will achieve the following:**

- **Involve 165 households**
- **Conduct 165 yard consultations to determine "right tree for the right place"**
- **Deliver educational messages to 165 households on importance of proper tree care and the environmental benefits of the urban forest**
- **Plant 280 native trees**
- **Plant 230 native shrubs**
- **Provide a tree care guide to all participating households**
- **Provide addresses and species for all trees/shrubs planted**

**Urban trees improve air quality.** In addition to reducing emissions from coal-fired generating stations, urban trees intercept particulate matter and trap and absorb air pollutants.

**Urban trees reduce the heat-island effect.** By shading dark surfaces that would otherwise act as heat sinks, and by cooling surrounding air temperatures through evaporation of water from leaf surfaces, trees significantly reduce air temperatures. Not only does this create a more pleasant and comfortable environment, it also reduces the production of harmful ground level ozone (which is produced at high temperatures).

**Backyards offer the best growing spaces.** In dense residential areas where trees are needed most, backyards present the best opportunity for success. These protected areas provide more space for both roots and spreading canopies, less risk of damage from salt, vandalism, and passing vehicles (overhanging branches, air pollution, etc.), and fewer conflicts with overhead and underground utilities. These conditions not only result in larger, healthier and longer-lived trees, they also give us the opportunity to establish important native species that may be more sensitive to urban stress. Often along our streets, we are limited to small, ornamental species. These trees can often withstand harsh urban conditions, but may grow to only 15 or 20 feet in height. These trees can never provide the same level of environmental benefits that large trees can. Environmental benefits increase exponentially as the leaf surface area of a tree rises – and large, healthy trees have the greatest leaf surface areas.

**Our criteria ensure the right tree in the right place.** Much care and consideration goes into species selection and placement in the yard. We take the homeowner through a process of considering appropriate size of tree, above and below ground utilities, soil type, light conditions, current uses of the yard, existing trees, buildings, property lines and hard surfaces such as pavement or interlocking brick, and potential future conflicts. We also encourage homeowners to talk to neighbours and consider their input. All of these factors, together with homeowner preferences (size, colour, flowers, etc) must be considered in order to determine the best species and location.

**A name people trust.** LEAF has built an excellent reputation over our 13 years of operation within Toronto. Word of mouth is now the second most common way that people learn about our program (second only to the Toronto Hydro bill notice). Participant satisfaction is high and we are constantly striving to improve our program. We bring an established program which has proven successful, both in terms of tree establishment and customer satisfaction.

**A healthier environment is our motive.** We're in business to plant native trees in suitable locations and to ensure they have the best possible chance to thrive. The profit motive that exists for the private sector is non-existent for LEAF. Of course we must generate enough revenue to function, but we measure our success in terms of number of program participants, number of people educated about tree care, number of trees planted, survival rates, tree health indicators and participant satisfaction. Our non-profit status allows us to work in special partnerships with municipalities, utility companies and other partners, and to access and leverage resources that are not available to for-profit ventures. It also gives participants a level of comfort knowing that our motive is not simply to sell them something. They trust that we will give impartial advice and that a healthy urban forest is our number one priority.

**We compliment existing programs.** There are many other groups in the GTA that plant trees on public lands. Most of these efforts are linked to ravine restoration or other public spaces (such as those of the Friends of the Rouge, TRCA). LEAF compliments these efforts by focusing on private property and in residential neighbourhoods.

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

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

Other funding sources include:

York Region - \$15000

Ontario Power Authority - \$10000

Project Revenue (program participant fees) - \$37000

In-kind - \$5500

See attached budget for details.

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

Based on feedback from recent surveys, LEAF may offer tasteful, temporary lawn signs for participants to display on their front yard. The feasibility of this still needs to be assessed, but if we do go ahead with this idea, supporting partner logos would be incorporated.

Proposed Budget - LEAF's Backyard Tree Planting Program - Markham 2010-2011

| Item   | MTFT         | York Region  | OPA          | 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) | 6000         | 5400         | 600          |                               | 12000              |
| Yard consultations with property owners  | 6500         | 4700         |              | 1800                          | 13000              |
| Planting   | 6700         |              |              | 6700                          | 13400              |
| Follow-up/data collection, analysis and reporting  |              |              | 2500         |                               | 2500               |
| IT systems and web improvements  |              |              | 1000         | 1500                          | 2500               |
| Communications/printing/advertising  |              |              | 1000         | 3000                          | 4000               |
| Equipment costs  |              |              |              | 800                           | 800                |
| Plant materials (with taxes, delivery)   | 8300         |              |              | 8400                          | 16700              |
| Transportation (site consultations)  | 1000         |              |              | 1000                          | 2000               |
| Transportation (planting)  | 1500         |              |              | 2000                          | 3500               |
| Tree storage space (in kind)   |              |              |              |                               | 4000               |
| Educational materials  |              |              |              | 2200                          | 2200               |
| Promotions (in kind from partners)   |              |              |              |                               | 1500               |
| Office rent  |              |              |              |                               |                    |
| Insurance  |              |              |              | 4800                          | 4800               |
| Bookkeeping  |              |              |              | 1200                          | 1200               |
| Office expenses (phones, printer cartridges, etc)  |              |              |              | 3000                          | 3000               |
|  |              |              |              | 600                           | 600                |
| <b>Totals</b>  | <b>30000</b> | <b>16000</b> | <b>10000</b> | <b>37000</b>                  | <b>92000</b>       |
|  |              |              |              |                               | 5500               |

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

\$196 - per tree subsidy

\$132 - average per tree cost to homeowners

280 trees

165 homes

average 1.7 trees and 1.4 shrubs per home

# Application Form

| Group Information   |   |   |   |
|---|---|---|---|
| Name  | Evergreen   |   |   |
| Address   | 355 Adelaide Street West, Toronto, Ontario          |   |   |
| Phone   | 416-596-1495, extension 223                         | Fax   | 416-596-1443                            |
| Email   | clacey@evergreen.ca                                 | Website Address   | www.evergreen.ca                        |
| Charitable/Non Profit Organization registration #<br>(if applicable) <u>BN 131815763 RR0001</u>   |   | Our Group has a bank account in the name of our organization <u>Yes</u> |   |
| Briefly describe what your group does:  |   |   |   |
| <p>Evergreen is a not-for-profit organization that makes cities more livable. By deepening the connection between people and nature, and empowering Canadians to take a hands-on approach to their urban environments, Evergreen is improving the health of our cities—now and for the future. Evergreen motivates people to create and sustain healthy, natural outdoor spaces and gives them the practical tools to be successful through its core programs: Learning Grounds – transforming school grounds; Common Grounds – restoring public parklands; and Evergreen Brick Works – a national centre for sustainable green cities.</p> <p>Evergreen Common Grounds is a national service working to conserve natural and cultural landscapes, restore degraded environments, and protect spaces for open-air recreation, education and enjoyment. What started in 1991 as a Toronto-based tree-planting initiative has grown into a national program supporting and encouraging the protection, restoration and stewardship of Canada's public lands from coast to coast.</p> <p>The Markham Trees for Tomorrow grant will help to support Evergreen's Common Grounds program in Markham in 2010. With this support, Evergreen will build upon programming that was initiated in 2008. In 2009 alone, our work in Markham translated to 323 community volunteers participating in five public plantings and three community stewardship events, resulting in over 630 volunteer hours contributed and 2300 new trees and shrubs planted.</p> |   |   |   |
| Project Manager   |   | Additional Contact  |   |
| Name  | Colin Lacey   | Name  | Sue Arndt                               |
| Title   | Project Manager                                     | Title   | Manager Stewardship & Restoration GTA   |
| Phone (work)  | 416-596-1495 x223                                   | Phone (work)  | 416-596-1495 x249                       |
| Phone (home)  | 416-464-8604 (mobile number)                        | Phone (home)  |   |
| Email   | clacey@evergreen.ca                                 | Email   | sue@evergreen.ca                        |
| Project Summary   |   |   |   |
| Title   | Community Stewardship and Restoration               |   |   |
| Location of Project   | Town of Markham                                     |   |   |
| Name of Registered Owner of the Lands   | Town of Markham                                     |   |   |
| Address of Registered Owner of the Lands  | 101 Town Centre Boulevard, Markham, Ontario L3R 9W3 |   |   |
| Contact Name for Registered Owner of the Lands  | Nory Takata   |   |   |
| Phone # Registered Owner of the Lands   | (905) 477-7000                                      | Duration (months, maximum 12 months)                                    | 8 months                                |
| Request for   | Spring Funding <u>X</u>                             | Fall Funding <u>X</u>   | Either <u>    </u>                      |
| Start Date of Project   | Monday, April 5 <sup>th</sup> , 2010                | End Date  | Monday, December 6 <sup>th</sup> , 2010 |

Evergreen understands that tree planting alone is not enough. In order to create healthier, more sustainable cities, greater ecological consciousness among Canadians must be promoted. One of the main goals of *Community Stewardship and Restoration* will be to engage people of diverse ages, cultures and abilities, in order to improve social cohesion, ecological literacy, civic pride and stewardship in Markham. Evergreen's *Community Stewardship and Restoration* project will achieve both environmental and social objectives by building on Evergreen's existing community partnerships. In 2009, we worked closely with many partners including the Grandview Ratepayers Association, the Vision Youth leadership team, and the Markham Lions Club. We hope to be able to revisit these partnerships while also seeking out new opportunities to extend our reach into the Markham community and its diverse population. Furthermore, with all scheduled public events listed in Evergreen's Events Calendar, our stakeholders across the GTA will be empowered and welcome to join in our work. By virtue of their involvement in these activities, program participants will benefit from community building and leadership opportunities while learning about the importance of trees, natural spaces and community action within the urban environment.

#### **Sustainability Plan:**

Native plant species typically require very little maintenance. Tree guards, mulch and mulch mats will be used to help trees and shrubs compete against weeds and increase their chances of survival. Mulch and mulch mats will also maintain moisture in the soil around newly planted trees and shrubs.

Beyond the planting events, Evergreen will work with volunteer stewards for the duration of this project to help monitor and steward these sites throughout 2010. After the 2010 project is completed, Evergreen will continue to work with Town staff and raise funds from diverse sources to support stewardship activities. Also, the funds from this grant will assist in longer-term capital investments in the form of equipment and hard costs that will greatly support our continued work well into the future in the Markham area. Additionally, other active student and community groups, coordinated by Evergreen, municipal and conservation authority partners, may be available to participate in stewardship activities at specific sites. Beyond an estimated three to five year stewardship program, the sites will be well established and will require very little care for continued survival.

#### **Promotion/Recognition:**

Evergreen's efforts will foster a stronger connection between residents and The Markham Trees for Tomorrow initiative. Upon funding, Evergreen will recognize Markham Trees for Tomorrow's support through:

- Town of Markham logo placement on all on-site signage at planting locations during the 2010 planting season, including planting event flyers and banner signage, if applicable
- Town of Markham logo placement on all *Community Stewardship and Restoration* published materials during the 2010 planting season
- Listing in Evergreen's 2010 Annual Report
- Listing on Evergreen's website in the "Donors/Sponsors" section, which received 3,600 unique page views from January 1 – December 31, 2009.
- Speaking and volunteer opportunities for Town of Markham Staff at related planting events
- Scheduled public events, posted on Evergreen's event calendar

#### **Additional Funding Sources/ In-kind Support:**

- FIDO (Evergreen HR)
- Wal-Mart Canada (Evergreen HR)
- Town of Markham Community Volunteers (in-kind); Mulch (in-kind)
- Evergreen (in-kind overhead and administration, communications)

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        | <b>\$53,600</b> | Amount requested from the MTTF | <b>\$30,000</b>  |
| Amount from other sources | <b>\$23,600</b> | In-Kind support hours          | <b>700 hours</b> |



## BUDGET FORM

| Materials, Supplies and Equipment                 | Cost       |              |               | MTFT   | Other |
|---|------------|--------------|---------------|--------|-------|
|   | # of units | Unit Cost \$ | Total Cost \$ |        |       |
| Native trees and shrubs                           | 2,000      | 12           | 24,000        | 24,000 | -     |
| Mulch mats  | 2,000      | 1            | 2,000         | 2,000  | -     |
| Tree guards                                       | 2,000      | 0.50         | 1,000         | 500    | 500   |
| Mulch   | 5          | 600          | 3,000         | -      | 3,000 |
| Volunteer refreshments                            | 10         | 40           | 400           | 400    | -     |
| Shovels   | 60         | 20           | 1200          | 800    | 400   |
| Gloves  | 300        | 4.50         | 1,350         | 1,350  | -     |
| Buckets   | 60         | 5            | 300           | 300    | -     |
| Equipment van rental                              | 8          | 200          | 1,600         | -      | 1,600 |
| Car rental  | 2          | 60           | 120           | -      | 120   |
| Event camera                                      | 1          | 300          | 300           | 300    | -     |
| Stewardship equipment (GPS device)                | 1          | 350          | 350           | 350    | -     |
| Stewardship equipment (other: secateurs, trowels) | 50         | 15           | 750           | -      | 750   |
|   |            |              |               |        |       |
|   |            |              |               |        |       |
|   |            |              |               |        |       |
|   |            |              |               |        |       |
|   |            |              |               |        |       |
|   |            |              |               |        |       |
|   |            |              |               |        |       |
|   |            |              |               |        |       |

| Other Expenses   |         |     |        |        |        |
|--|---------|-----|--------|--------|--------|
| Communications (design and development)  | 4 days  | 250 | 1,000  | 0      | 1,000  |
| Project co-ordination (event planning, facilitation, site visits, outreach and education events) | 40 days | 200 | 8,000  | 0      | 8,000  |
| Project management   | 10 days | 250 | 2,500  | 0      | 2,500  |
| Overhead and Administration  |         |     | 5,730  | 0      | 5730   |
|  |         |     |        |        |        |
|  |         |     |        |        |        |
|  |         |     |        |        |        |
| Total  |         |     | 53,600 | 30,000 | 23,600 |

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

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

Upon completion of this Project please submit your project report, as well as original invoices, photos and records to Parks Planner, Operations, Town 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 Town's website.

# Markham Trees for Tomorrow Fund

## Photo Consent and Release Form

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

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

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

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

| Contact Information |   |          |                   |                         |         |
|---------------------|---|----------|-------------------|-------------------------|---------|
| Signature           | <u>Sue Arndt</u>                                | Date     | February 11, 2010 |                         |         |
| Address             | 355 Adelaide Street West, 5 <sup>th</sup> Floor |          |                   |                         |         |
| Town                | Toronto   | Province | Ontario           | Postal Code             | M5V 1S2 |
| Telephone           | 416-596-1495 x249                               |          | Email             | <u>sue@evergreen.ca</u> |         |
| Town of Markham:    |   |          |                   |                         |         |
| Town Representative | Nory Takata                                     | Date     |                   |                         |         |

PROJECT 332

# MARKHAM 50 / 50 FUNDING PARTNERSHIP PLANTING PROJECT WISMER VALLEY LANDS (2009 - 2012)

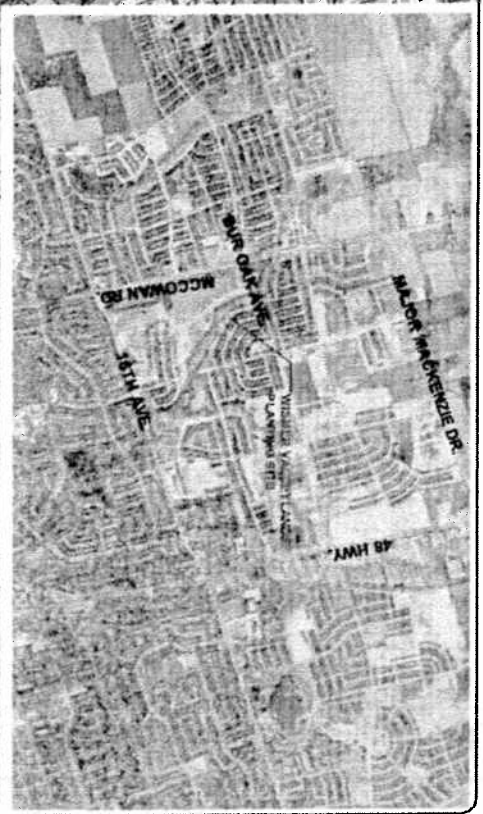
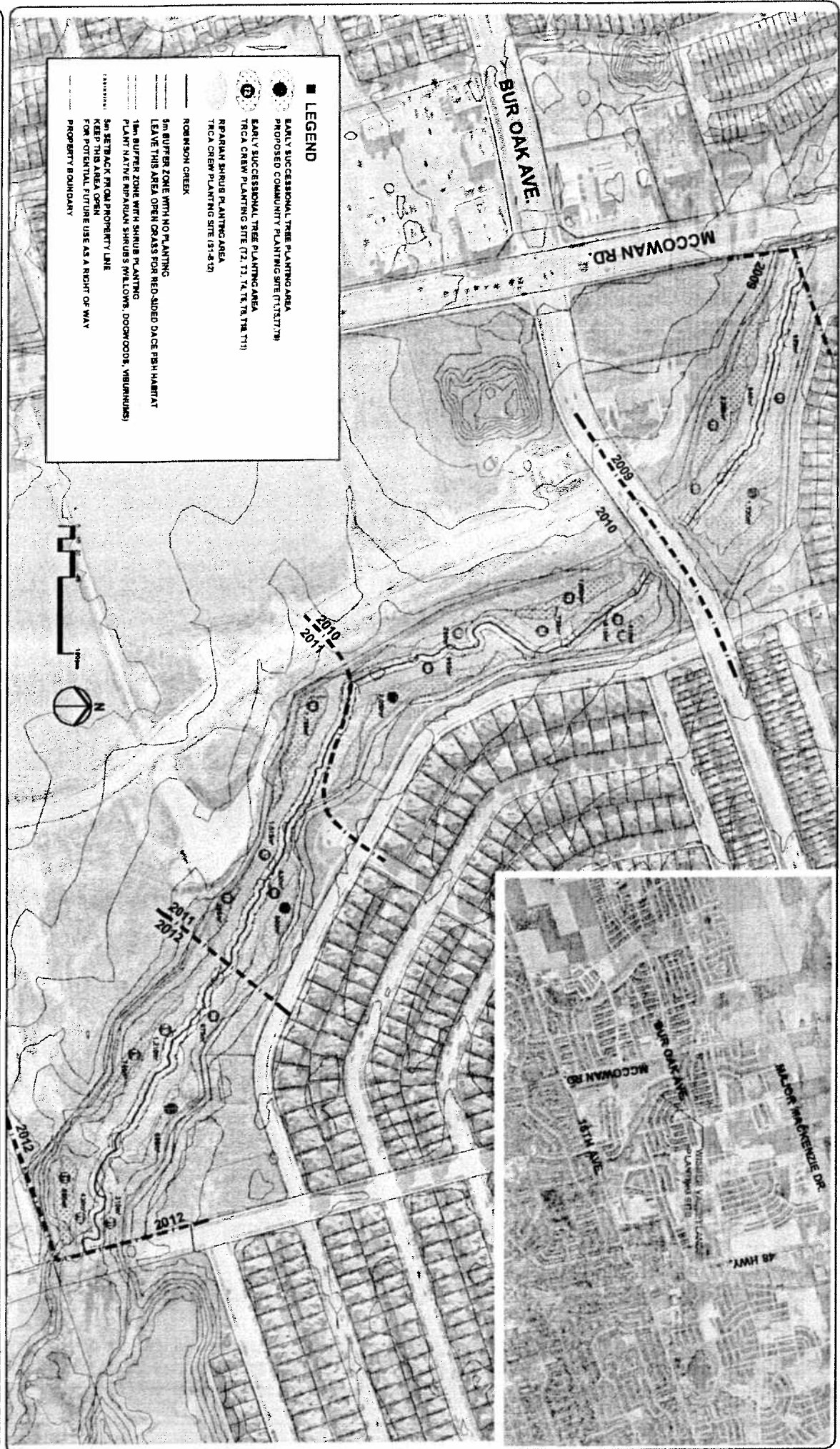
**Conservation**  
for the Living City  
Ministry of Conservation Officers  
10000 Hwy 7, Richmond Hill, ON L4B 3N2

| NO. DATE |      | REVISION |      | DATE |      |
|----------|------|----------|------|------|------|
| 1        | 2009 | 1        | 2009 | 1    | 2009 |
| 2        | 2010 | 2        | 2010 | 2    | 2010 |
| 3        | 2011 | 3        | 2011 | 3    | 2011 |
| 4        | 2012 | 4        | 2012 | 4    | 2012 |

## PLANTING PLAN

**LEGEND**

- EARLY SUCCESSIONAL TREE PLANTING AREA
- PROPOSED COMMUNITY PLANTING SITE (T1, T17, T19)
- EARLY SUCCESSIONAL TREE PLANTING AREA
- TRCA CREW PLANTING SITE (T2, T3, T4, T5, T6, T7, T8, T11)
- REPARIAN SHRUB PLANTING AREA
- TRCA CREW PLANTING SITE (S1-S12)
- ROBINSON CREEK
- 1m BUFFER ZONE WITH NO PLANTING
- LEAVE THIS AREA OPEN GRASS FOR RED-LEAVED DOGWOOD HABITAT
- 1m BUFFER ZONE WITH SHRUB PLANTING
- PLANT NATIVE REPARIAN SHRUBS (WILLOWS, DOGWOODS, VIBURNUMS)
- 5m SETBACK FROM PROPERTY LINE
- KEEP THIS AREA OPEN
- FOR POTENTIAL FUTURE USE AS A RIGHT-OF-WAY
- PROPERTY BOUNDARY



# 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@leaftoronto.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 not-for-profit organization dedicated to the protection and improvement of our urban forest. We are looking to expand our programs and services outside Toronto to Markham and other municipalities within York Region. "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. LEAF's key programs include the following:</p> <p><b>Subsidized Backyard Tree Planting Program</b> – This program provides hands-on assistance to residents who want to plant a tree in their backyard. LEAF helps property owners select appropriate native species and planting locations. We also provide extensive education and tree care information in order to encourage proper stewardship. Species selection and planting location are decided upon together with property owners during a site consultation, and are based on site conditions (soil, light, moisture), available space, energy conservation (shade and windbreak), present conflicts (other trees, buildings, play areas, etc.) and potential future conflicts (construction or renovation). This approach helps ensure that trees will reach their maximum size and age, thereby producing maximum environmental benefits. Program participants pay a portion of the cost (approximately \$80-\$200 per tree). This includes a 45 minute on-site consultation with a certified arborist, a 5 to 10 foot tall tree and full planting service. Property owners agree to provide tree care as instructed. A wide selection of native shrubs are also available in order to enhance wildlife habitat.</p> <p><b>Education and Outreach at Community Events</b> - LEAF attends approximately 30 community events each year with our display in order to reach out to various communities. These events range from things like "Car Free Day", to City Councillor Environment Days, the Canadian National Exhibition and local community festivals. Our "Ask the Arborist" booth is particularly popular feature at these events.</p> <p><b>Workshops and Presentations</b> - LEAF provides sessions which are customized to the needs and interests of each audience. Topics vary, but central themes include: the state of our urban forest, urban tree stresses and how to alleviate them, tree biology and how trees function, planting and care of young trees, mature tree care, urban trees and gardening, and the benefits of urban forests. Some sessions are indoor presentations; others are outdoors hands-on, while some are a combination of both. We have worked with a diversity of groups, including: at-risk youth, youth in correctional programs, women's' groups, tenant groups, residents associations and school groups.</p> |  |                    |                       |
| Project Manager   |  | Additional Contact |                       |
| Name  | Michelle Bourdeau  | Name               | Janet McKay           |
| Title   | Manger, Residential Planting Programs                                    | Title              | Executive Director    |
| Phone (work)  | 416-413-9244 ext. 11   | Phone (work)       | 416-413-9244 ext. 17  |
| Phone (home)  | 416-898-1681   | Phone (home)       | 416-769-0423          |
| Email   | michelle@leaftoronto.org   | Email              | janet@leaftoronto.org |
| Project Summary   |  |                    |                       |

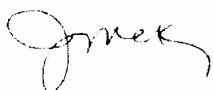
|  |  |                                      |                      |
|--|--|--------------------------------------|----------------------|
| Title  | Backyard Planting Program                |                                      |                      |
| Location of Project                            | Town of Markham – residential properties |                                      |                      |
| Name of Registered Owner of the Lands          | Various                                  |                                      |                      |
| Address of Registered Owner of the             |  |                                      |                      |
| Contact Name for Registered Owner of the Lands |  |                                      |                      |
| Phone # Registered Owner of the Lands          |  | Duration (months, maximum 12 months) | 12 months            |
| Request for                                    | Spring Funding <u>  X  </u>              | Fall Funding <u>  X  </u>            | Either <u>      </u> |
| Start Date of Project                          | June 2010                                | End Date                             | May 2011             |

❖ 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)

3. to promote the Markham Trees for Tomorrow Fund on any communication materials, or signage associated with this project and will provide a detailed report on the project outlining how the funds were used to support the project upon completion of the project and no later than 1 year from receipt of the funding.
4. to allow the Town of Markham to use the project name and any images associated with the project to promote the Markham Trees for Tomorrow Program.
5. to return all unspent funds to the Town of Markham upon completion of the project.
6. that there shall be no personal benefit directly, or indirectly, from this funding and I will notify the Town of any conflict of interest situation should it arise in carrying out of the project.
7. permit the Town of Markham to claim ownership of all carbon credits and other measurable ecological services resulting from the project.

Signature



Executive Director

Janet McKay

Date: February 12, 2010

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

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

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

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

## ***Description of the Project Team***

### **LEAF Team**

Janet McKay, Executive Director – Overall project direction

Michelle Bourdeau, Manager, Residential Planting Programs – Project management and development

Erin Stevens, Residential Planting Programs Assistant- Client communications, scheduling and project administration

Michael Alkema, ISA Certified Arborist – Site consultations, education and field supervisor

Laura Storozinski, ISA Certified Arborist - Site consultations

Robin Sutherland, Manager, Marketing and Communications – Promotions, Marketing and Design

Ryerson Team – Undertaking evaluation, monitoring and verification (EM&V) for the project

Dr. Andrew Millward – Development of research parameters and supervision of EM&V

Chris Greene, PhD student – implementation and analysis of EM&V

### ***Project overview and detailed project plan (include workplan with timelines; detailed site and planting plans; monitoring and follow up maintenance schedules)***

This program will provide hands-on assistance to Markham residents who want to plant trees and shrubs in their yard. LEAF helps property owners select appropriate native species and planting locations through a 45 minute site consultation with a certified arborist. We also provide extensive education and tree care information in order to encourage proper stewardship. Species selection and planting location are decided upon together with property owners during the site consultation, and are based on site conditions (soil, light, moisture), available space, energy conservation (shade and windbreak), present conflicts (other trees, buildings, play areas, etc.) and potential future conflicts (construction or renovation). This approach helps ensure that trees will reach their maximum size and age, thereby producing maximum environmental benefits. Program participants pay a portion of the cost (\$100-\$200 per tree) and agree to provide tree care as instructed. Native shrubs and perennials are also available in order to enhance wildlife habitat.

Since 2008, with financial support from York Region and the Town of Markham, LEAF has planted 470 trees and shrubs and reached over 200 homeowners as part of the Backyard Tree Planting Program in Markham. We conducted a total of 154 consultations, planting 254 trees and 216 shrubs. Feedback from fall 2009 participants indicated that 50% of those individuals would not have purchased any trees without the program. All of the individuals that would have bought a tree anyway indicated that they got more trees and shrubs because of LEAF. Every single participant who answered the survey said they would recommend the program to a friend.

Based on these results we believe that there is a significant demand for LEAF services in Markham and that LEAF's program will result in satisfied customers with more trees and shrubs in the ground. Residents are pleased with our service and recommend it to others.

### **This project will achieve the following:**

- **Involve 165 households**
- **Conduct 165 yard consultations to determine "right tree for the right place"**
- **Deliver educational messages to 165 households on importance of proper tree care and the environmental benefits of the urban forest**
- **Plant 280 native trees**
- **Plant 230 native shrubs**
- **Provide a tree care guide to all participating households**
- **Provide addresses and species for all trees/shrubs planted**

**Urban trees improve air quality.** In addition to reducing emissions from coal-fired generating stations, urban trees intercept particulate matter and trap and absorb air pollutants.

**Urban trees reduce the heat-island effect.** By shading dark surfaces that would otherwise act as heat sinks, and by cooling surrounding air temperatures through evaporation of water from leaf surfaces, trees significantly reduce air temperatures. Not only does this create a more pleasant and comfortable environment, it also reduces the production of harmful ground level ozone (which is produced at high temperatures).

**Backyards offer the best growing spaces.** In dense residential areas where trees are needed most, backyards present the best opportunity for success. These protected areas provide more space for both roots and spreading canopies, less risk of damage from salt, vandalism, and passing vehicles (overhanging branches, air pollution, etc.), and fewer conflicts with overhead and underground utilities. These conditions not only result in larger, healthier and longer-lived trees, they also give us the opportunity to establish important native species that may be more sensitive to urban stress. Often along our streets, we are limited to small, ornamental species. These trees can often withstand harsh urban conditions, but may grow to only 15 or 20 feet in height. These trees can never provide the same level of environmental benefits that large trees can. Environmental benefits increase exponentially as the leaf surface area of a tree rises – and large, healthy trees have the greatest leaf surface areas.

**Our criteria ensure the right tree in the right place.** Much care and consideration goes into species selection and placement in the yard. We take the homeowner through a process of considering appropriate size of tree, above and below ground utilities, soil type, light conditions, current uses of the yard, existing trees, buildings, property lines and hard surfaces such as pavement or interlocking brick, and potential future conflicts. We also encourage homeowners to talk to neighbours and consider their input. All of these factors, together with homeowner preferences (size, colour, flowers, etc) must be considered in order to determine the best species and location.

**A name people trust.** LEAF has built an excellent reputation over our 13 years of operation within Toronto. Word of mouth is now the second most common way that people learn about our program (second only to the Toronto Hydro bill notice). Participant satisfaction is high and we are constantly striving to improve our program. We bring an established program which has proven successful, both in terms of tree establishment and customer satisfaction.

**A healthier environment is our motive.** We're in business to plant native trees in suitable locations and to ensure they have the best possible chance to thrive. The profit motive that exists for the private sector is non-existent for LEAF. Of course we must generate enough revenue to function, but we measure our success in terms of number of program participants, number of people educated about tree care, number of trees planted, survival rates, tree health indicators and participant satisfaction. Our non-profit status allows us to work in special partnerships with municipalities, utility companies and other partners, and to access and leverage resources that are not available to for-profit ventures. It also gives participants a level of comfort knowing that our motive is not simply to sell them something. They trust that we will give impartial advice and that a healthy urban forest is our number one priority.

**We compliment existing programs.** There are many other groups in the GTA that plant trees on public lands. Most of these efforts are linked to ravine restoration or other public spaces (such as those of the Friends of the Rouge, TRCA). LEAF compliments these efforts by focusing on private property and in residential neighbourhoods.

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



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

Other funding sources include:

York Region - \$15000

Ontario Power Authority - \$10000

Project Revenue (program participant fees) - \$37000

In-kind - \$5500

See attached budget for details.

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

Based on feedback from recent surveys, LEAF may offer tasteful, temporary lawn signs for participants to display on their front yard. The feasibility of this still needs to be assessed, but if we do go ahead with this idea, supporting partner logos would be incorporated.

**Proposed Budget - LEAF's Backyard Tree Planting Program - Markham 2010-2011**

| <b>Item</b>  | <b>MTFT</b>  | <b>York<br/>Region</b> | <b>OPA</b>   | <b>Client<br/>Fees<br/>(project<br/>revenue)</b> | <b>Total Cash</b> | <b>In-kind</b> |
|--|--------------|------------------------|--------------|--|-------------------|----------------|
| 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) | 6000         | 5400                   | 600          |  | 12000             |                |
| Yard consultations with property owners  | 6500         | 4700                   |              | 1800   | 13000             |                |
| Planting   | 6700         |                        |              | 6700   | 13400             |                |
| Follow-up/data collection, analysis and reporting  |              |                        | 2500         |  | 2500              |                |
| IT systems and web improvements  |              |                        | 1000         | 1500   | 2500              |                |
| Communications/printing/advertising  |              |                        | 1000         | 3000   | 4000              |                |
| Equipment costs  |              |                        |              | 800  | 800               |                |
| Plant materials (with taxes, delivery)   | 8300         |                        |              | 8400   | 16700             |                |
| Transportation (site consultations)  | 1000         |                        |              | 1000   | 2000              |                |
| Transportation (planting)  | 1500         |                        |              | 2000   | 3500              |                |
| Tree storage space (in kind)   |              |                        |              |  |                   | 4000           |
| Educational materials  |              |                        |              | 2200   | 2200              |                |
| Promotions (in kind from partners)   |              |                        |              |  |                   | 1500           |
| Office rent  |              |                        |              | 4800   | 4800              |                |
| Insurance  |              |                        |              | 1200   | 1200              |                |
| Bookkeeping  |              |                        |              | 3000   | 3000              |                |
| Office expenses (phones, printer cartridges, etc)  |              |                        |              | 600  | 600               |                |
| <b>Totals</b>  | <b>30000</b> | <b>15000</b>           | <b>10000</b> | <b>37000</b>                                     | <b>92000</b>      | <b>5500</b>    |

\$328 - average per-tree cost to deliver program  
 \$196 - per tree subsidy  
 \$132 - average per tree cost to homeowners  
 280 trees  
 165 homes  
 average 1.7 trees and 1.4 shrubs per home