

For Office Use Only - Project No.:

**APPLICATION FORM****PROJECT MANAGER**

Name & Position Mavis Urquhart, Manager, Environmental Leadership  
 Department Strategic Services  
 Phone 905 415 7502  
 Fax 905 415 4710  
 Email murquhart@markham.ca Website Address

**PROJECT'S CONTACTS**

Name	Caroline Smith	Name	
Dept.	Strategic Services	Dept.	
Phone	905 477 7000 x 2350	Phone	
Email		Email	

**PROJECT SUMMARY**

Title Ontario Centre for Environmental Technology Advancement Program  
 Location of Project (if applicable) Town-wide  
 Duration (months, maximum 12 months)  
 Request for:\$10,000 Spring Funding ☒ Fall Funding ☐ Either ☐  
 Start Date of Project September 1, 2008 End Date September 1, 2009

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

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

OCETA is a private, non-profit organization with a mandate of providing business services to entrepreneurs, start-up companies and small to medium sized enterprises (SMEs) to assist the process of commercialization of new environmental technologies and to support sustainable economic development both domestically and internationally.

The proposed sustainability program is an opportunity for small-to-medium sized manufacturers located in Markham to undertake a pollution prevention assessment and to develop a pollution prevention action plan. This program will address priority environmental issues and foster sustainable behaviour amongst SME manufacturers by providing technical and financial assistance that enhances their environmental performance, while improving competitiveness. The outcome will be reductions in environment footprints of participating Markham manufacturers resulting in quantifiable and reportable reductions of greenhouse gases, criteria air contaminants/smog precursors, fine particulate matter, toxics, etc., in addition to improved economic performance. This program therefore promotes environmental sustainability and provides demonstrable environmental benefits to the business and residential community.

This program will provide environmental outreach to the manufacturing sector which is an important part of Markham's environmental focus.

Town staff would work with OCETA on delivery of the program and help to identify the priority issues and key community business contacts.

This program supports the Town's environmental policies and strategic plan.

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

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

#### **Purpose**

Provide one stop pollution prevention and energy efficiency technical assistance for small to medium sized (SME) manufacturers in the Town of Markham.

#### **Team**

The program will be delivered by OCETA with support from the Manager, Environmental Leadership and Economic Development staff.

#### **Accomplishments/Workplan**

Program outcomes will be reductions in the environmental footprints of participating Markham manufacturers, improved economic performance of participating industrial facilities. Environmental knowledge skill development and technology transfer as well as heightened recognition of the Town and its businesses.

#### **Maintain and Monitor**

The program is intended to assist participants to change their processes and practises to be more efficient and environmentally sound in the long term.

#### **Measureable Benefits**

The measurable benefits for participating SME manufacturers include:

- Reduce pollutants, wastes, criteria air contaminants/smog precursors and Greenhouse Gas emissions
- Save money and reduce costs
- Reduce business risks
- Meet or exceed regulatory requirements under the Canadian Environmental Protection Act, and municipal and regional bylaws (stormwater, sewer use)

OCETA will report on reductions of pollutants and wastes, and concomitant financial savings.

#### **Other Funding Sources**

OCETA is funded by Program funders including: The Toronto and Region Conservation Authority (TRCA), National Research Council Canada-Industrial Research Assistance Program (NRC-IRAP), the Ontario Ministry of Environment (MOE), the Ontario Trillium Foundation (OTF), the Regional Municipality of Durham, the City of Vaughan, and the Credit Valley Conservation Authority.

#### **Promoting MESF Fund**

OCETA will promote the Town of Markham on its website and all promotional literature relating to this program

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

Total Project Cost	**	Amount requested from the MESF	<b>\$10,000</b>
Amount from other sources	**	In- Kind support hours	**

\*\* On a leveraging basis the value of activity to Markham in time, cost share, support of other funding partners = 3:1 ratio

## BUDGET FORM – HUMAN RESOURCES (Volunteers)

[illegible]

[illegible]

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

Town Website	Newspaper advertisement	Word of mouth	Other
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5

## DEPARTMENT HEAD'S AUTHORIZATION

Signature Allan Seabrooke Title Commissioner Lead

Printed Name Allan Seabrooke Date April 15, 2008

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

## **OCETA Deliverables for Markham Manufacturers' Sustainability Program**

### **Partnership and Network Development in Town of Markham**

1. OCETA will build alliance and network actively with Town of Markham stakeholders for the purpose of marketing the Toronto Region Sustainability Program in Markham. Initially OCETA will hold meetings with the appropriate municipal officials to scope a collaborative effort to promote pollution prevention with industry in the Town.
2. OCETA in collaboration with Markham staff will deliver lunch and learn sessions with business networks such as the Board of Trade to promote adoption of P2 and Energy Efficiency practices and participation in the Program by local SME manufacturers.

Timing: This activity will begin after September 1.

3. OCETA and the Town of Markham will develop a Plan for Cooperative Marketing. Key components will include: targeted marketing mail outs (with a letter from the Mayor and a letter from OCETA).

Timing: This activity will begin after September 1

4. OCETA will explore program linkages and promote awareness of Town's commitment in improving environmental performance of local SME manufacturers, with Federal, Provincial and other Municipal government officials/partners.

Timing: This activity will be initiated after the funding agreement is approved.

### **Community Database Analysis**

1. OCETA will compile a master Excel database of SME manufacturers in the Town of Markham by using new (owned by Town) and existing databases, to target groups of SME manufacturers, for marketing purposes. OCETA will utilize:
  - a. Dunn and Bradstreet Canadian Business Directories;
  - b. MOE Regulation 127 (harmonized with NPRI) data set (2005) on mandatory emission reporting for Ontario manufacturers in the Province;
  - c. MOE HWIN dataset (2005) – Hazardous Waste generators in Ontario; and
  - d. Internet search, if necessary to update missing contact information for targeted industrial companies.

Timing: This activity will be initiated after the funding agreement is approved.

2. OCETA will also create a Markham Stakeholders database using contacts formed through networking with key stakeholders in the watershed (industry associations, ENGO community, Board of Trade, institutions).

Timing: Activity will begin after September 1.

#### **Program Delivery, Marketing and Outreach Communication Plan**

1. OCETA will deliver the Markham Manufacturers' Sustainability Program in accordance with the cooperative agreement.
2. OCETA will develop a number of tailored promotional products for use in marketing the program to industrial clients, government program partners, and industry associations, as well as local ENGO community among other stakeholders. Specifically, OCETA will:
  - a. Create customized PowerPoint "decks" for presentations to stakeholder communities including SME manufacturers;
  - b. Develop tailored marketing letters, email letters, fact sheets, brochures, newsletter articles;
  - c. Revitalize the OCETA Website to include Markham-based activities; and
  - d. Acknowledge the Town's funding contribution towards the Program in respective presentation materials, and the OCETA website.
3. OCETA will conduct extensive marketing using various marketing and outreach tools such as joint OCETA-Markham mail outs, faxes, follow-up e-mail letters and telephone calls, newsletter, to targeted SME manufacturers.
4. OCETA will add an energy efficiency component to the existing Toronto Region Sustainability Program platform. This will entail:
  - a. Establish and implement energy audit funding process by developing linkages with existing government agency funding and industrial sector initiatives that address the GHG emission reductions;
  - b. Expand the existing consulting roster to include energy management experts and develop protocols for the roster; and
  - c. Manage delivery of energy audit service, including the negotiation of funding arrangements with partners.
5. OCETA will manage its roster of P2 and E2 consultants to provide pollution prevention and energy efficiency technical assistance to participating SME manufacturers.
6. OCETA will contribute to writing promotional articles (OCETA newsletter/TRSP newsletter) to promote awareness on the program activities and achievements.
7. OCETA will manage the cost-share subsidies for SME clients that have completed their P2 assessments through the Program.
8. OCETA will develop case studies for Markham-based clients in the Program, and will post them on the TRSP website.

Timing: These activities will begin after September 1.

## **Reporting**

1. OCETA will provide the Town of Markham with quarterly milestones and an Annual Report. Specifically, OCETA will deliver milestone reports (as part of OCETA's standard reporting on its pollution prevention technical assistance efforts to its funding partners) on a quarterly basis and a year-end status report, on or before March 31, 2009.
2. The year end report will share OCETA's lessons learned from the Markham Manufacturers' Sustainability Program including behavioural changes and responses from clients participating in the program. It will include in addition: client participation in the GTA; aggregated pollution prevention reductions (criteria air contaminants/smog precursors, toxics, metals, hazardous wastes, process wastes, water, GHGs, ODS, and Climate Change Co-benefits), including financial implications (savings, capital investment, return on investment), case study summaries, and lessons learned.

Timing: This activity will begin after funding is approved.



## Application Form

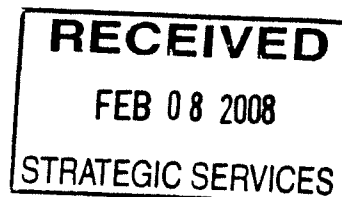
For Office Use Only - Project No.:

## Group Information

Name	Unionville BIA		
Address	P.O. Box 64711 Unionville, ON L3R 0M9		
Phone	(905) 477-0117	Fax	(905) 479-6658
Email	unionvillebia@bellnet.ca	Website Address	http://www.unionvilleinfo.com
Charitable/Non Profit Organization registration # (if applicable)	Our Group has a bank account in the name of our organization Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		

Briefly describe what your group does:

Preserve & Promote Main Street Unionville  
 Festivals & Events on Main Street Unionville  
 Streetscape, lighting, etc on Main Street Unionville



## Projects Contacts

Name	Tracy MaKInnon	Name	Greg McCormick
Title	Festivals Chair	Title	Chairman
Phone (work)	(905) 479-2085	Phone (work)	(905) 477-0117
Phone (home)	(416) 655-1530	Phone (home)	(416) 655-7604
Email	utp@bellnet.ca	Email	unionvillebia@bellnet.ca

## Project Summary

Title	"Unionville is Cool"		
Location of Project	Main Street Unionville		
Name of Registered Owner of the Lands	public domain - within Unionville BIA district		
Address of Registered Owner of the Lands	Main Street Unionville		
Contact Name for Registered Owner of the Lands	Unionville BIA / Town of Markham		
Phone # Registered Owner of the Lands	(905) 477-0117	Duration (months, maximum 12 months)	7
Request for	Spring Funding <input checked="" type="checkbox"/>	Fall Funding	Either <input type="checkbox"/>
Start Date of Project	April 22, 2008	End Date	Sept. 1, 2008

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

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

The project provides demonstrable, widespread and lasting environmental benefits for the community by creating a permanent, collective reduction in use of energy, by using solar powered and L.E.D. lighting. 19th century meets 2008 - Historic living & modern technology working in conjunction with each other.

Collective use of energy savings, demonstrates ability for group/organization to work together. Promotion will focus on environmental education and how Heritage blends modern behaviours and actions for reduction in energy consumption. This program supports the Towns environmental policies and strategic plan by helping to meet the goals of the "Cool Shops" program & other MECO initiatives by reducing kW consumption through environmental friendly lighting. Main Street Unionville will be a focal point to showcase how together, a community can reduce energy.

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

- ❖ Purpose for the project
- ❖ Description of the Project Team
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- ❖ How will the benefits to the environment and your community be maintained after your project has been completed?
- ❖ Will there be an educational sign component. If so, please describe

Unionville is Cool:

Purpose: To reduce energy use on Main Street Unionville and create a leadership example to the community that both demonstrates and educates that it is possible to work as a group to reduce energy consumption.

Team: UBIA volunteers working with its Main Street Business members and during the production of its festivals & events.

Goals:

1. Reduce energy consumption on Main Street Unionville through LED, solar lights on Main Street - (white only-Heritage regulations)
2. Showcase Main Street Unionville as a model community taking leadership in creating a "green" Historic Village. Heritage can meet new technology to create sustainable solutions.
3. Use more solar energy & LEDs for lighting on Main Street Unionville, which is in line with the recently switch over of the Town's holiday lighting to string LED.
4. In line with MECO's mandate: "Raise public awareness that conservation starts within the community and that individuals can make a difference by changing their day-to-day attitudes and behaviours".
5. In line with MECO's mandate: Educate people that by "reducing energy consumption, encouraging the use of alternative sources of energy, and raising awareness about how to conserve", which will ultimately reduce greenhouse gas emissions. Considering Main Street Unionville has hundreds of thousands of visitors in a year, the Unionville BIA will be creating a leadership example and a model which can be used to save electricity consumption across Town and in other communities throughout the Province.

Monitor: Unionville BIA - Tracy MacKinnon, Festivals Chair - 905 477 0117 - unionvillebia@bellnet.ca

Measure: Using the Town's "Borrow a Watt Reader" Program, we will be able to accurately demonstrate and keep track of the reduction in energy costs. In addition to this, we will monitor all changes and compare the data with local business reports of their hydro bills. Several Watt Readers are generally available for loan at the Unionville Public Library.

Promote: "Unionville is Cool" promotional material, logo on web site along with a page explaining "Unionville is Cool" program, environmental educational walking tours, signage in Main St, windows to promote program, Unionville Gateway signage - lit by solar spots.

Other Funding Sources: Unionville BIA, OTMP for promotional funds  
In kind: graphics & marketing, volunteers

Maintaining Project After Completion: Cost savings in energy bills will be a major factor in the community continuing with this program, along with the new energy efficient lights already installed.

Educational Sign Component: Signage in Main Street windows, prominent Unionville Gateway signage lit by solar spots.

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	\$25,900.00	Amount requested from the MESF	\$ 10,000.00
Amount from other sources	\$ 15,900.00	In-Kind support hours	615

### BUDGET FORM – HUMAN RESOURCES (Volunteers)

[illegible]

# BUDGET FORM

[illegible]

### Other Expenses

Other Expenses					
(e.g. Printing Brochures)	100	0.50	50.00	25.00	25.00
"Unionville is Cool" educational brochure			\$2,000.00		
Web site graphics, updates, etc			\$1,000.00		
Window signage			\$500.00		
<b>Total</b>			<b>\$25,900.00</b>	<b>\$10,000.00</b>	<b>\$15,900.00</b>

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

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

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

**Print Form**

## Reset Form

## Applicant's Signature

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

If approved for funding I further acknowledge and agree:

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

Signature [Signature] Title Chair, UBIA  
 Printed Name GREG MCCORMICK Date 08 FEB 08

*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

# Main Street Unionville - MESF February 2008

## 1. Gateway Signage

The Unionville BIA, in concert with the Town of Markham, has been granted heritage approval and approval by council for a heritage gateway sign at the corners of Highway 7 and Main Street, northeast portion, and Carlton Road and Kennedy Road Bypass on the northwest portion. This heritage friendly project can also be enviro-friendly as well. To this point, the Unionville BIA is looking to illuminate these heritage gateway signs utilizing the latest technology that takes advantage of opportunities to go "off the grid". In particular, the spot-lit illumination will utilize LED bulbs, thereby reducing wattage requirements and, as a power source, a solar panel will provide all that is required. The flood lights will, in fact, be targeted, focused spotlights that will be tuned to eradicate any atmospheric light pollution. The solar panels are approximately 30" x 30" and can be placed discretely "off site". They may be installed on top of an existing utility/telephone pole or a new pole may be installed in a way to render the installation virtually invisible.

The systems involved include all necessary components as well as back-up batteries and the Unionville BIA will make provisions for maintenance in its future budgets. This is a demonstrable way to showcase how new and old can be combined to realize future environmental sustainability today.

## 2. LED String Lights

In order for such projects to succeed, private sector involvement is crucial. To have private sector participation in enviro-friendly projects such as this, one needs to illuminate obstacles to involvement. More often than not the burden of the initial costs are the prohibitive to participation. To this point, this project will seek to eliminate this hurdle to private sector participation by providing LED string lights to businesses in the Unionville BIA district. These LED string lights will be offered as replacements for existing incandescent lighting on the outside of businesses. This will be used to educate businesses on the energy savings potential and encourage them to replace even more of their incandescent lights to gain even greater energy savings. These new LED string lights would be the heritage friendly, "warm white" colour and would create a uniform look for the heritage area as well. We predict 100% participation, and therefore, a large impact on overall energy savings through this aspect of the project.

Again, private sector "buy-in" is crucial to the success of any enviro-friendly project, either here in Unionville or elsewhere. By creating a bilateral public and private collaboration along the street, we can realize incremental benefits, and provide an example to other areas of town for private sector involvement.

**RECEIVED**

**FEB 21 2008**

**Strategic Services**

### 3. Solar Mini Lights

Currently, Main Street Unionville has permanently mounted incandescent lighting on poles adjacent to power outlets. These lights have already received heritage approval and are used only seasonally because of expense. Replacing these lights with new solar powered LED Mini Lights will provide a softer, uniform accent lighting for the old village, which will operate "off grid". Of course, these LED Mini Lights will also be "warm white" in colour to augment the private sector LED string lights and respect the heritage atmosphere of the village. The energy savings on this aspect of the project is expected to be greatest. Furthermore, the "off grid" nature of these solar Mini Lights will allow strategic placement of soft accent lighting in places that were formally inaccessible because of their distance from a power grid connection. The small solar panels which power the mini lights can be discretely installed utilizing existing street features such as street light canopies, etc....to render them virtually invisible.

All light placements will be "softer" than existing approved incandescent lighting, and all augmentations will be done in a heritage and eco-friendly manner. We are not looking to illuminate Unionville anymore than it is currently, but we are looking to accent its heritage features properly with appropriate lighting now made available through these new technologies.

### Funding

The Unionville B.I.A. provides the Town of Markham with a most preferred funding partner because the U.B.I.A. has its own private source of constant funds. By partnering with the Unionville B.I.A., the Town can gain access to new funding which is not a drain on the Town's budget. Furthermore, the Unionville B.I.A. can leverage its partnership with other Unionville B.I.A. "partners", such as Tourism Toronto, to "snowball" the MESF grant. Our funding model would, then, come from three streams using the MESF grant as the catalyst for creating something much larger in impact. As for future sustainability, the Unionville B.I.A. provides the Town of Markham with an excellent opportunity to partner with a group which, unlike other groups, can manage short and longer term maintenance. Our annual budgets can sustain future maintenance without any drain on future Town budgets. The Unionville B.I.A. is not interested in this as a "one-off" project, but rather, intends to see this through as a permanent part of a long term commitment which proves that doing business can be heritage-friendly, enviro-friendly, sustainable, and profitable. The Unionville B.I.A. also wants to use this grant/project as an opportunity to promote Main Street Unionville's profile as a leader in the new, developing, and lucrative enviro-tourism market. This will have an obvious positive effect on the economic viability of Unionville and the Town's tax base.

### Education

The best part of the educational component of this project, is that it is something tangible and replicable. We intend to demonstrate the success of this project through enviro-walking tours of Main Street, Unionville. These tours would be part of our current successful walking tours, and would be promoted and offered through the school system so that students could see energy conservation as a working project, and not just something theoretical. This project will certainly be in line with the goals of MECO. It will offer an example of how communities can come together to gain tangible reductions in energy use. Our project is a practical educational tool which is meant to provide a model for others to emulate in their homes, schools, communities, businesses, villages, etc..., thus, increasing the impact of this grants affect exponentially. The Unionville B.I.A. is also one of the major "players" in the G.T.A. tourism industry. We will also be producing a brochure to act as an educational aid for eco-walking tours and eco-tourism. We intend to use this project in our marketing campaign for the one-million plus visitors to our village.

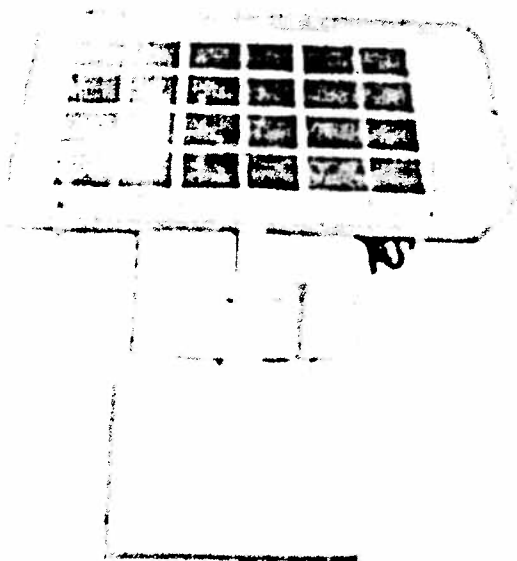


# Main Street Unionville - MESF February 2008

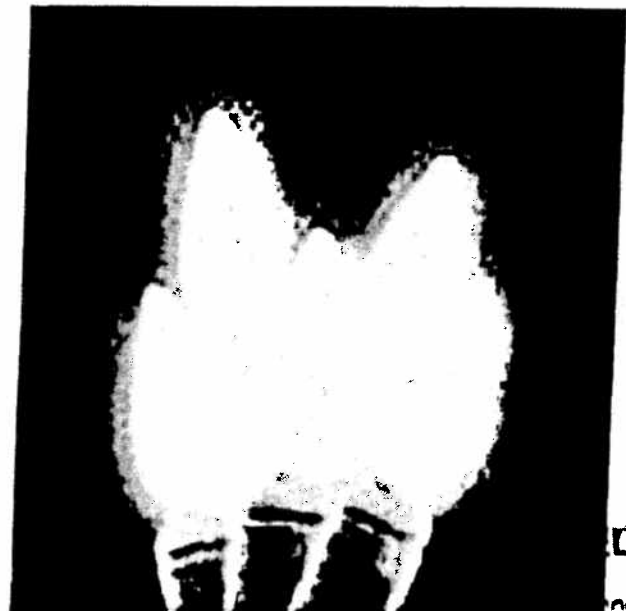
Solar minilights  
to be put on street poles  
(left - existing lighting)



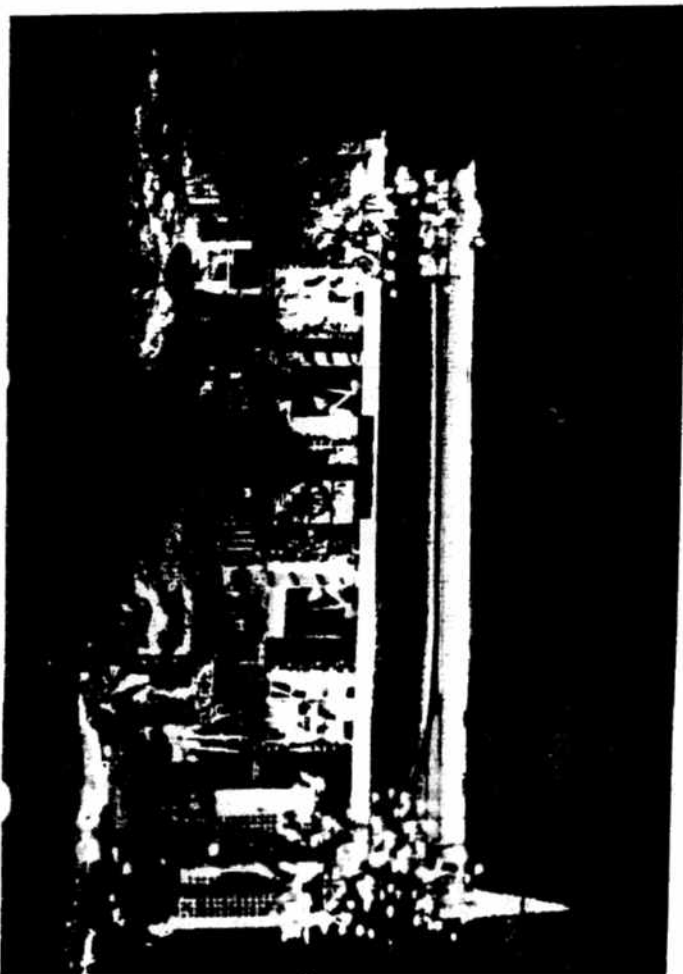
Solar spot lights  
with panel



LED light strings  
to be replace existing  
lights on Main Street



Main Street Unionville - LED lights - Town of Markham



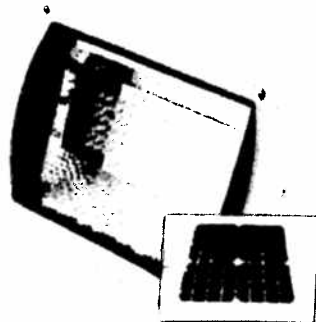
## Solar Sign & Flood Light

The GENLight Plus ushers in a whole new era of extremely powerful multipurpose solar lighting. The patent pending design features 108 intensely bright LEDs which provide an unprecedented 150W-175W of light easily illuminating 8" x 10" sign. Even more unbelievable, the entire system is powered by a single state-of-the-art compact 12V single-crystalline solar panel measuring only 12" x 37". The advanced battery storage system enables the GENLight Plus to run strong all night long while the 4th generation NightSensor automatically powers the system down during the day and on at night.

Each unit is manufactured with aluminum compounds to withstand the intense weather conditions of the environment in addition to having a superior vandal proof structure.

The GENLight Plus is amazingly versatile and convenient. With only minutes of installation and virtually no maintenance, the GENLight Plus is ready to light up your business or organization signs to increase exposure time, showcase your beautifully manicured landscapes, impressive structures, and elegant homes or simply light walkways and driveways. No more bulbs, wiring, or expensive electricity bills to worry about. The sophisticated GENLight Plus is designed to meet your lighting needs while saving both time and money.

- billboard, commercial, trees, walls, large areas
- 150-175W, approximately 2900lumens
- requires light assembly, 15 minute installation
- cast casting with durable solar panel
- illuminates up to 8' x 10' signage
- 12" x 37" x .5" Flood Light Fixture: 8.5" x 7" x 11"
- 10lb (fixture) 9lb solar panel



## **Solar Pole Mount Panel**

Ground or Roof tilt mount for solar panels. These mounting kits are made in the USA and certified by Silicon Solar Inc to keep your solar panels safe and secure in most conditions.

The SA line of solar panel mounts is designed to secure your solar panels to the side of a pole with a single, sturdy arm to ensure perfect placement and optimal security.

## **Extra Solar Battery**

**Price: \$29.94US**

## **Installation**

**Price: ~\$500.00**

(This reminder will not appear on the printed form)

FEB 08 2008

## Appendix 3

# Application Form

STRATEGIC SERVICES

For Office Use Only - Project No.:

### Group Information

Name	Sir Richard W. Scott Catholic School		
Address	90 Roxbury Cres. Markham, ON L3S 3S8		
Phone	(905) 472-3964	Fax	(905) 472-4283
Email	dan.ryan@ycdsb.ca	Website Address	
Charitable/Non Profit Organization registration # (if applicable)	Our Group has a bank account in the name of our organization Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		

Briefly describe what your group does:

We are an elementary school which focuses on the education of students from Kindergarten to grade 8. We have agreed to become an Eco-School (a program under York University). Part of our mission towards certification as an Eco-School is the greening of the schoolyard.

### Projects Contacts

Name	Dan Ryan	Name	Anne Burchat
Title	Principal	Title	Teacher
Phone (work)	(905) 472-3964	Phone (work)	(905) 472-3964
Phone (home)		Phone (home)	
mail	dan.ryan@ycdsb.ca	Email	anneburc@sympatico.ca

### Project Summary

Title	Sir Richard W. Scott		
Location of Project	90 Roxbury Cres.		
Name of Registered Owner of the Lands	York Catholic District School Board		
Address of Registered Owner of the Lands	320 Bloomington Rd. W., Aurora, ON L4G 3G8		
Contact Name for Registered Owner of the Lands	Steven James - Facilities, YCDSB		
Phone # Registered Owner of the Lands	(416) 221-5051	Duration (months, maximum 12 months)	7
Request for	Spring Funding <input checked="" type="checkbox"/>	Fall Funding	Either <input type="checkbox"/>
Start Date of Project	MAR 2008	End Date	SEPT. 2008

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

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

Education Program - Needs of trees, benefits, habitats for wildlife, contribution to reduction of global warming, filtering carbon from air, oxygen supply for humans and wildlife, teaching primary students the importance of protection of trees for their sustainability.

Supports our participation in Eco-Schools program - ie. schoolyard greening project.

Lasting benefits - less exposure to sun, place to learn and play, wind break for soccer field.

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

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

**Project Team** -Principal, teachers, students, custodial staff & parent advisors under direction of Eco-Schools Team.

It is our dream to create a living teaching area for our students which could be used by all members of our school community. We envision this being a stand of trees which will create an environment for teaching and learning the benefits of trees (filtering carbon, reduction of global warming, habitat for birds and wildlife) and the proper care of trees. A grove of trees will be planted within a large open field. This area will provide a place, safe from damaging rays of the sun, for our children to interact with each other. The trees will also act as a windbreak for the soccer field immediately to the east of the trees. 3 of the trees will be planted on the south side of the school, thus shading and cooling the building. Success of the project will be assessed by the number of students and teachers using the shaded area, by the reduction of sun exposure to the school community and the attraction of birds and other wildlife. Our plan is that our students will become stewards of this area, as they will become stewards of our planet in the years to come.

**Promotion** - school newsletter, parent council, Catholic Monitor (YCDSB newspaper) and/or YCDSB website, local newspapers (Markham Snap, Markham Economist)

A sign acknowledging funding from MES will be placed within the halls of the school.

**March 2008** - order trees, soil, mulch and supplies

**April** - plant trees

**April - June** - regular watering by students and staff

**July & August** - weekly watering by custodial staff depending on weather

**September** - regular watering by students and staff

**After 1 year** the grove of trees should become self-sustaining

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	\$4,995.00	Amount requested from the MESF	\$5,000.00
Amount from other sources	\$0.00	In- Kind support hours	210

### BUDGET FORM – HUMAN RESOURCES (Volunteers)

[illegible]

## BUDGET FORM

[illegible]

### Other Expenses

(e.g. Printing Brochures)	100	0.50	50.00	25.00	25.00
planting trees -	13	\$155.00	\$2,015.00	\$2,015.00	\$0.00
soil & mulch	3	\$40.00	\$120.00	\$120.00	\$0.00
delivery of trees	1	\$100.00	\$100.00	\$100.00	\$0.00
delivery of soil and mulch	2	\$75.00	\$150.00	\$150.00	\$0.00
hoses -50'	4	\$40.00	\$160.00	\$160.00	\$0.00
sprinkler	1	\$20.00	\$20.00	\$20.00	\$0.00
plaque	1	\$90.00	\$90.00	\$90.00	\$0.00
<b>Total</b>			<b>\$4,995.00</b>	<b>\$4,995.00</b>	<b>\$0.00</b>

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

Town Website	<input type="checkbox"/>	Newspaper advertisement	<input type="checkbox"/>	Word of mouth	<input checked="" type="checkbox"/>	Other	<input type="checkbox"/>
--------------	--------------------------	-------------------------	--------------------------	---------------	-------------------------------------	-------	--------------------------

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

## Print Form

## Reset Form



# Markham Environmental Sustainability Fund

## Photo Consent and Release Form

I, Anne Burchat 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>Anne Burchat</u>	Date	Feb. 7, 2008		
Address	90 Roxbury Cres.				
Town	Markham	Province	ON	Postal Code	L3S 3S8
Telephone	(905) 472-3964	Email	anneburc@sympatico.ca		
<b>Town of Markham:</b>					
Town Representative		Date			

# Applicant's Signature

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

If approved for funding I further acknowledge and agree:

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

Signature

Title

A. Burchat Teacher

Printed Name

Date

A. BURCHAT FEB. 7/08

*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.*

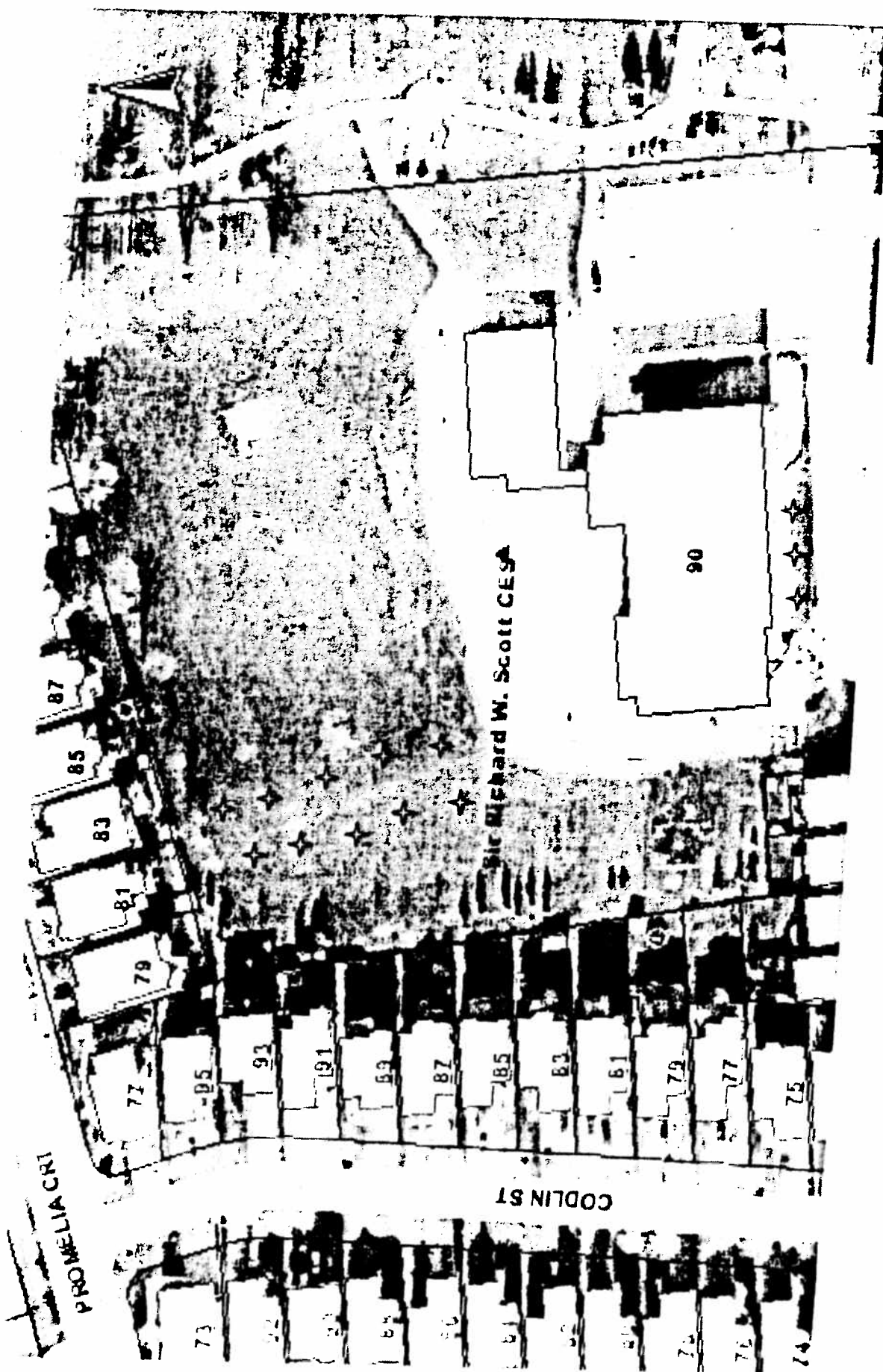
*Submission of this application form does not guarantee approval of your application.*

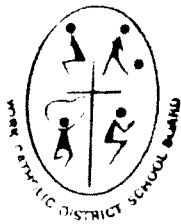
*Personal information contained herein is subject to the Municipal Freedom of Information Act and the Personal Protection and Electronic Documents Act. The information collected may be used for promotional purposes. Completion of this form constitutes consent by the applicant to these terms and uses.*

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

Sir Richard Scott Planting Plan (species to be confirmed)

✦ Locations of trees





# York Catholic District School Board

Catholic Education Centre, 320 Bloomington Road West, Aurora, Ontario L4G 3G8  
Tel: 905-713-2711, 416-221-5050, 1-800-363-2711, Automated Lines: 905-713-1211, 416-221-5051  
Fax: 905-713-1222 • www.ycdsb.ca

## Trustees

February 7, 2008

### Elizabeth Crowe

Chair of the Board  
Aurora/King  
Wentworth-Stouffville

### Carol Cotton

Vice Chair  
Markham  
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### Theresa McNicol

East Gwillimbury/  
Newmarket

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### Ann Stong

Richmond Hill

### Teresa Claravella

Waukegan  
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### Dino Giuliani

Waukegan  
Woodbridge/  
Area 2 (Ward 2)

### Michael Carnovale

Waukegan  
Woodbridge/  
Area 3 (Ward 3)

### Victor Schiralli

Waukegan  
Thornhill/Markham

Caroline Smith  
Community and Fire Services Commission  
Corporation of the Town of Markham  
101 Town Centre Blvd.  
Markham, ON  
L3R9W3

**Re: Sir Richard Scott CES**

Dear Ms Smith:

This letter is to acknowledge that Sir Richard Scott Elementary School, located at 90 Roxbury St. in the Municipality of Markham has the approval of the registered property owner, the York Catholic District School Board to apply for funding through the Markham Environmental Sustainability Fund. Dan Ryan the School Principal will work in conjunction with Plant Department and the area Maintenance Controller to implement the proposed school ground improvements following YCDSB policies and guidelines.

Sincerely,

Larry Tadman  
Controller of Environmental Services

San F. L. Rosa

## Application Form

For Office Use Only Project No.:

## Group Information

Name	All Saints Catholic Elementary School		
Address	130 Castlemore Avenue Unionville, Ontario L6C 3P9		
Phone	905-337-8780	Fax	905-337-2019
Email	—		
Charitable/Non Profit Organization registration # (if applicable)	Our Group has a bank account in the name of our organization		
York Catholic District School Board Contact person: (Cindy Vogel)	Yes <input checked="" type="checkbox"/>	No	<input type="checkbox"/>

Briefly describe what your group does:

We are a Catholic Elementary School from JK to Gr 3.  
as stated in our School Board Mission statement we  
are engaged in collaborative learning inspired by Jesus.

## Projects Contacts

Name	Linda Ward	Name	Anne-Marie Gossin-Waibert
Title	Principal	Title	Cathy Lennox (Teachers)
Phone (work)	905-337-3730	Phone (work)	905-337-3703
Phone (home)	16-497-2295	Phone (home)	
Email	Linda.Ward@YCDSB.ca	Email	Anne-Marie.Gossin-Waibert@YCDSB.ca

## Project Summary

Title	School Ground Improvement		
Location of Project	130 Castlemore Avenue		
Name of Registered Owner of the Lands	York Catholic District School Board		
Address of Registered Owner of the Lands	330 Blewington W Hurara L4G 3G8		
Contact Name for Registered Owner of the Lands	Larry Tachman		
Phone # Registered Owner of the Lands	905-713-2711	Duration (months, maximum 12 months)	12 months
Request for	Spring Funding <input checked="" type="checkbox"/>	Fall Funding	<input type="checkbox"/>
Start Date of Project	Spring 2008	End Date	Spring 2009

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

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

RECEIVED

FEB 01 2008

Strategic Services

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

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

See attached Sheet

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	Min. 5,000.00	Amount requested from the MESF	5,000.00
Amount from other sources	Donation of 400.00 from other sources	In kind support from	none

We would like to replenish the front and side areas gardens of our school to make them more inviting. Our school was build in 2000 and the gardens have been since neglected. Due to the poor soil and the salt in the winter many of our shrubs and trees have died and have not been replace. Last year we started with the phase one of our project and saved four of our trees by the east entrance and enhance the beds that they are in by building a fence around them, planting day lilies and covering the soil with mulch to retain moisture. We would also like to plant larger trees in the field play area of our yard to provide shade during the sunny days for our students to take shelter.

Our team is made of two teacher representatives, 4 parents from the School Council, our administration and our community partner the local Scout Troop.

Our project will accomplish beautification, shade and an inviting green space for the whole community to use.

We are hoping to start in the spring with tilling and adding new soil before replacing and adding new shrubs and trees. During the summer the custodial staff will water and maintain our gardens. We will continue upon our return in the fall with more shrubs and tree planting. We are looking at planting drought resistant plants as well.

The school environmental committee will maintain and monitor the project. (see p:1 of application)

We will promote the MESF through our school newsletter, photographs and our local newspaper.

At this point we have the full support of our parent council who are soliciting within the community to find volunteers as well as resources to help us get it started. (i.e. landscapers and donations of both time and supplies)

The benefits of this project will be maintained by the school environmental committee as well as by parents and community volunteers.

We will create a bulletin board in the school to update the school community on our progress as well we will use our school board sign on Castlemore Avenue to promote the improvement done to our school grounds.



## Catholic Elementary School

February 5, 2008

Manager, Environmental Leadership,  
Town of Markham, Ontario  
L3R 9W3

130 Castlemore Avenue  
Unionville, Ontario  
L6C 0P9  
Phone: 905 887 8100

Dear Ms. Smith

On behalf of the students, staff and parents of All Saints Catholic School in Unionville I am writing this letter to support our application to the Markham Environmental Sustainability Fund.

Last year, All Saints C.E.S. renewed and rejuvenated the school environmental committee. Under the leadership of two teachers a multi-year plan was developed. Parents, students and community partners were invited to participate in this committee. The first stage of the plan involved education, awareness and action.

The action items included:

- i. The identification of two areas of the school grounds that needed special attention.
- ii. Throughout the Spring and Fall we worked to revive trees that were planted as part of the school's initial construction eight years ago. This involved upgrading the soil around the trees and planting drought resistant plants around the trees to provide ground coverage. The school also partnered with a local Scout Troop. The Unionville 5<sup>th</sup> Scout/Cub group helped look after the flower beds and also helped aerate the soil around our trees.
- iii. To further promote environmental awareness the school also partnered with another community group, Friends of the Rouge, and our Grade 7 and 8 students provided many hours of service planting trees along the Rouge. The cost of bussing the students to the tree planting areas was provided by our School Council, as the parents whole heartedly supported these green initiatives.
- iv. Our school has also strongly supported "Walk to School Wednesday" and the "Green Days" fundraising initiatives to promote the other day to parent.

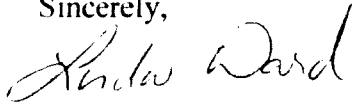
We trust these past projects demonstrate our school's commitment and interest in environmental projects. Future plans build upon these initiatives. For example, the next stage of our school goals include: promoting environmental education and continuing to



enhance our school grounds. Planting shade trees in the school yard and the replenishment of shrubs surrounding the school are priorities.

We ask that our application to the Markham Environmental Sustainability Fund be considered so that we may move ahead with these new projects.

Sincerely,

A handwritten signature in cursive script, appearing to read "Linda Ward".

Linda Ward  
Principal

# All Saints

130 Castlemore Avenue  
Unionville, Ontario  
L6C 2P  
Phone: 905 887 3

## Catholic Elementary School

At All Saints we are committed to the environment, every year we have an environmental week. This year it will be on the week of April 21-25. During that week there will be daily announcement on the P.A. system made by the students about different topics like: the importance of green space, waste reduction and recycling, energy conservation, and water conservation. During the week we will also challenge the students to a waste free lunch and a reduction of their energy consumption. The Earth Rangers will be coming to our school on April 21 to present to the students from Grade 1 to Grade 8. Earth day will be celebrated on April 22 with the announcement of our school ground greening initiative during a whole school assembly. A bulletin board will show the plan and a bare tree will be assembled as we complete the steps of our project. The students will be asked to donate money for our project by bringing a contribution for their civvies day.

This year we are planning again for the grade 7 and 8 to go plant trees in the Rouge area. We are planning for Bernadette Manning to come again to talk to the students about the importance of tree planting.

We will also continue to encourage the students to walk to school. Our school took part in the anti idling program and we continue to inform the parents about this bi-law. We continue to collect old ink cartridges. We have a recycling program that recycles all paper products as well as all drinking containers. Every Friday afternoon an announcement is made on the P.A. reminding students and staff of the importance of recycling. Each class then sends students with their recycling boxes to the designated area. Our students are also recycling the pull tabs from pop cans for the wheel chair program. New this year at our school is a Risograph printing machine which allows us to use newsprint paper and uses less energy to make copies.

March 29 is Earth Hour when families are encouraged to shut off lights between 8 and 9 P.M. even though this will not take place during the regular school day students and there family will be encouraged to take part and the participants will record their entry on a leaf to add to our tree.

The students will be surveyed as to which location is preferred for a shade area, as well the school population will be involved in the tree planting. We will also be celebrating the liturgy of the tree afterwards.

Our Grade 5 students will be involved in the 20/20The way to Clean Air Program. (More info to come to our school in the next few weeks.)

# BUDGET FORM

[illegible]

### ther Expenses

[illegible]

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

Town Website	<input type="checkbox"/>	Newspaper advertisement	<input checked="" type="checkbox"/>	Word of mouth	<input type="checkbox"/>	Other	<input type="checkbox"/>
--------------	--------------------------	-------------------------	-------------------------------------	---------------	--------------------------	-------	--------------------------

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

**Print Form**

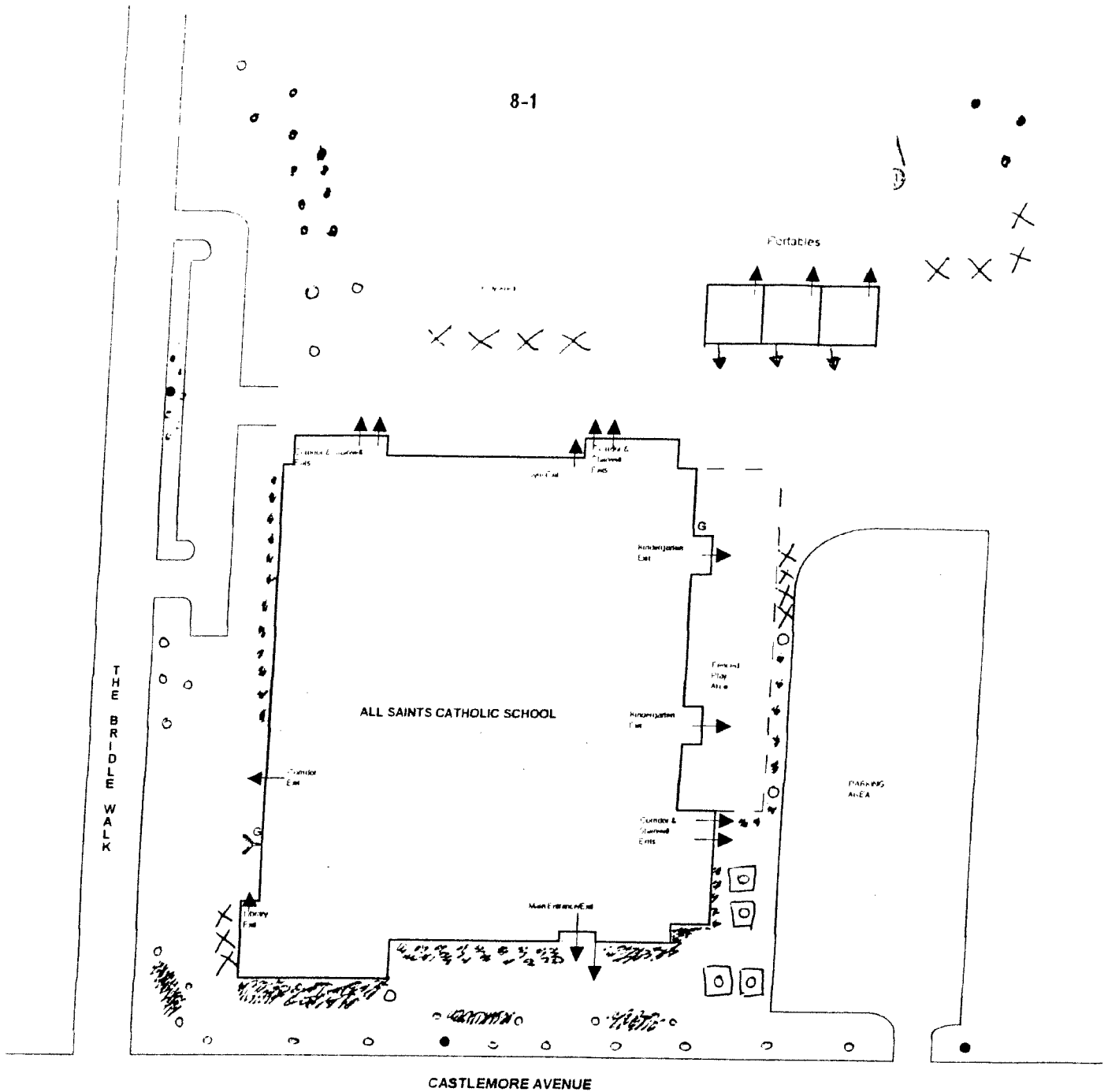
### Reset Form

### BUDGET FORM – HUMAN RESOURCES (Volunteers)

[illegible]

to be determined

8-1



Existing: • coniferous  
 ○ leaf trees  
 ■ shrubs

New trees x x x

SITE PLAN  
 ALL SAINTS CATHOLIC SCHOOL  
 130 CASTLEMORE AVENUE  
 UNIONVILLE, ONTARIO



## Applicant's Signature

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

If approved for funding I further acknowledge and agree:

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

Signature L. Ward Title Principal  
 Printed Name L. Ward Date Feb 7, 2008

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

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

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

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

# Markham Environmental Sustainability Fund

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## Photo Consent and Release Form

I, Linda Ward 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>L. Ward</u>	Date	<u>Feb 7/2008</u>
Address	<u>130 Castlemore</u>		
Town	<u>Markham</u>	Province	<u>ON</u>
Telephone	<u>905-887-8780</u>	Postal Code	<u>L6C 2P9</u>
Email	<u>linda.ward@ycdsb.ca</u>		
Town of Markham:			
Town Representative		Date	

Printed by: Linda Ward  
 Title: All Saints Letter.jpg : YCDSB

Friday, February 08, 2008 8:07:41 AM

Page 1 of



## York Catholic District School Board

Catholic Education Centre, 320 Bloomington Road West, Aurora, Ontario L4G 3G8  
 Tel: 905-713-2711, 416-221-5050, 1-800-363-2711, Automated Lines: 905-713-1211, 416-221-5051  
 Fax: 905-713-1272 • www.ycdsb.ca

### Trustees

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 Markham  
 (Thornhill/Unionville)

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 East Gwillimbury/  
 Georgina/Newmarket

Marlene Mogado  
 Markham  
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 Unionville)

Mike Rizzo  
 Richmond Hill

Ann Stong  
 Richmond Hill

Teresa Ciavarella  
 Vaughan  
 (Milliken/Kleinburg)

Dino Giukani  
 Vaughan  
 (Woodbridge,  
 Area 2, Ward 2)

Michael Carmovale  
 Vaughan  
 (Woodbridge,  
 Area 3, Ward 3)

Victor Schiralli  
 Vaughan  
 (Thornhill/Concord)

February 7, 2008

Caroline Smith  
 Community and Fire Services Commission  
 Corporation of the Town of Markham  
 101 Town Centre Blvd.  
 Markham, ON L3R9W3

This letter is to acknowledge that All Saints Elementary School, located at 130 Castlemore Ave. in the Municipality of Markham has the approval of the registered property owner, the York Catholic District School Board, to apply for funding through the Markham Environmental Sustainability Fund.

Linda Ward, the School Principal will work in conjunction with the area Maintenance Controller and Plant Department to implement the proposed school ground improvements following YCDSB policies and guidelines.

Sincerely,

Larry Tadman  
 Controller of Environmental Services

Susan F. LaRosa  
 Director of Education



## Application Form

For Office Use Only - Project No.:

## Group Information

Name	10,000 Trees for the Rouge		
Address	13 Dolan Drive, Palgrave, ON L7E 0E1		
Phone	905-880-9116	Fax	
Email	publicoutreach@10000trees.com	Website Address	www.10000trees.com
Charitable/Non Profit Organization registration # (if applicable)	Our Group has a bank account in the name of our organization		
1298 14729 R001		Yes <input checked="" 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. The group consists of people who volunteer their time to turn unused land into instant forests via a one day planting event during late April. A committee of 15-20 volunteers plans the project throughout the year and on planting day about 1500 people from the community come to plant. During the past 18 consecutive years, the volunteers have planted over 135,000 indigenous trees and shrubs.

## Projects Contacts

Name	Colin Creasey	Name	Julie Mackinlay
Title	Chairman	Title	Public Relations
Phone (work)	905-450-4634	Phone (work)	
Phone (home)	905-880-9116	Phone (home)	905-859-3938
Email	cpc42@rogers.com	Email	jmackinlay@sympatica.ca

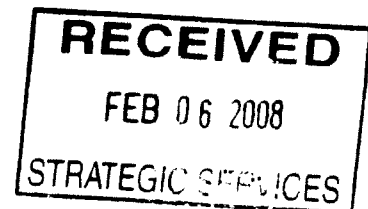
## Project Summary

Title	19th Annual Wildlife Habitat Restoration		
Location of Project	North side of Donald Cousens Pkwy - 0.5 km east of 9th Line		
Name of Registered Owner of the Lands	Town of Markham		
Address of Registered Owner of the Lands			
Contact Name for Registered Owner of the Lands			
Phone # Registered Owner of the Lands		Duration (months, maximum 12 months)	
Request for	Spring Funding <input checked="" type="checkbox"/>	Fall Funding	Either <input type="checkbox"/>
Start Date of Project	April 27, 2008	End Date	Oct. 30. 08

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

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

see attached sheet 2A



**The project provides demonstrable, widespread and lasting environmental benefits for the community.**

We plan to restore about 7 acres of urban greenspace to native forest cover. Nesting, roosting and foraging opportunities are provided for raptors, flycatchers and cavity nesters such as tree swallows.

Planting this site with 7000 native trees and shrubs will buffer the effects of urban sprawl on local wildlife. It will also begin the process of establishing a riparian forest cover along this part of the Little Rouge. It also marks the first step towards linking with existing forest fragments to the east of the site. Namely, there are willow, oak, beech, and black cherry growing along the river's edge to the east

As the planting area has seen considerable encroachment by urban sprawl, the planting should establish forest cover on the site increasing the landscape diversity, native flora and nesting habitats for woodland species. The planting will nurture a recreational green space for residents living to the south of the site.

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

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

Please 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	\$ 106,594	Amount requested from the MESF	\$ 7000
Amount from other sources	\$ 50,000	In- Kind support hours	\$ 48,894

### **Purpose for the project.**

10,000 Trees for the Rouge Valley was formed to reforest areas within the Rouge Valley watershed. The group consists of people who volunteer their time and efforts to turn large blocks of unused land into instant forests via a one-day public planting event during late April. A committee of approximately 15 to 20 individuals plans the project throughout the year, and on planting day, up to 1500 people come out to plant. The group has been responsible for planting over 135,000 indigenous trees and shrubs since 1990.

Planting this site with 7000 native trees and shrubs will buffer the effects of urban sprawl on local wildlife. It will begin the process of establishing riparian forest along this part of the Little Rouge. It also marks the first step towards linking with existing forest fragments to the east of the site.

As the planting area has seen considerable encroachment by urban sprawl, the planting should establish forest cover on the site increasing the landscape diversity, native flora and nesting habitats for woodland species. The planting will nurture a recreational green space for residents living on the south side of the Donald Cousens Parkway.

Stewardship for the land and trees in our community is of great importance. As we believe that involving the youth of our neighbourhood is so very important to the event, we make contacts with the schools, scouting groups, and community groups of the area and promote involvement.

## **Description of the Project Team**

Most members of the volunteer group have 10 years or more experience implementing these kinds of projects. Among the main committee are scout leaders, teachers, an accountant, an engineer, 1 Registered Professional Forester and two graduates of university forestry programs.

### **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 event and again the week of the event (We often get the Toronto Sun, Toronto Star, CFTO, CFTR, CITY TV, and ethnic media). The same is done with local politicians, federal, provincial, and municipal. We often give on-site interviews to the local media, where there is the opportunity to recognize the work of the Town of Markham and 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.

Each high school is individually contacted to make connection with the geography department, environmental club, and school councilor to promote participation.

Each scouting group within Markham and Unionville is individually contacted to develop relationships and create involvement.

### **Fundraising Committee**

Ongoing research to find new funding sponsors (both monetary and in-kind donations). Prepares fundraising applications and final reports.

### **Landscape Committee**

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

### **Site Preparation**

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

### **What will your project accomplish?**

The planting will establish forest cover on the site. The sheltered, shady, cool, humid environment of the forest will contrast dramatically with conditions provided in the meadow areas. By increasing the forest cover we will increase landscape diversity, native flora, and nesting habitats for woodland species.

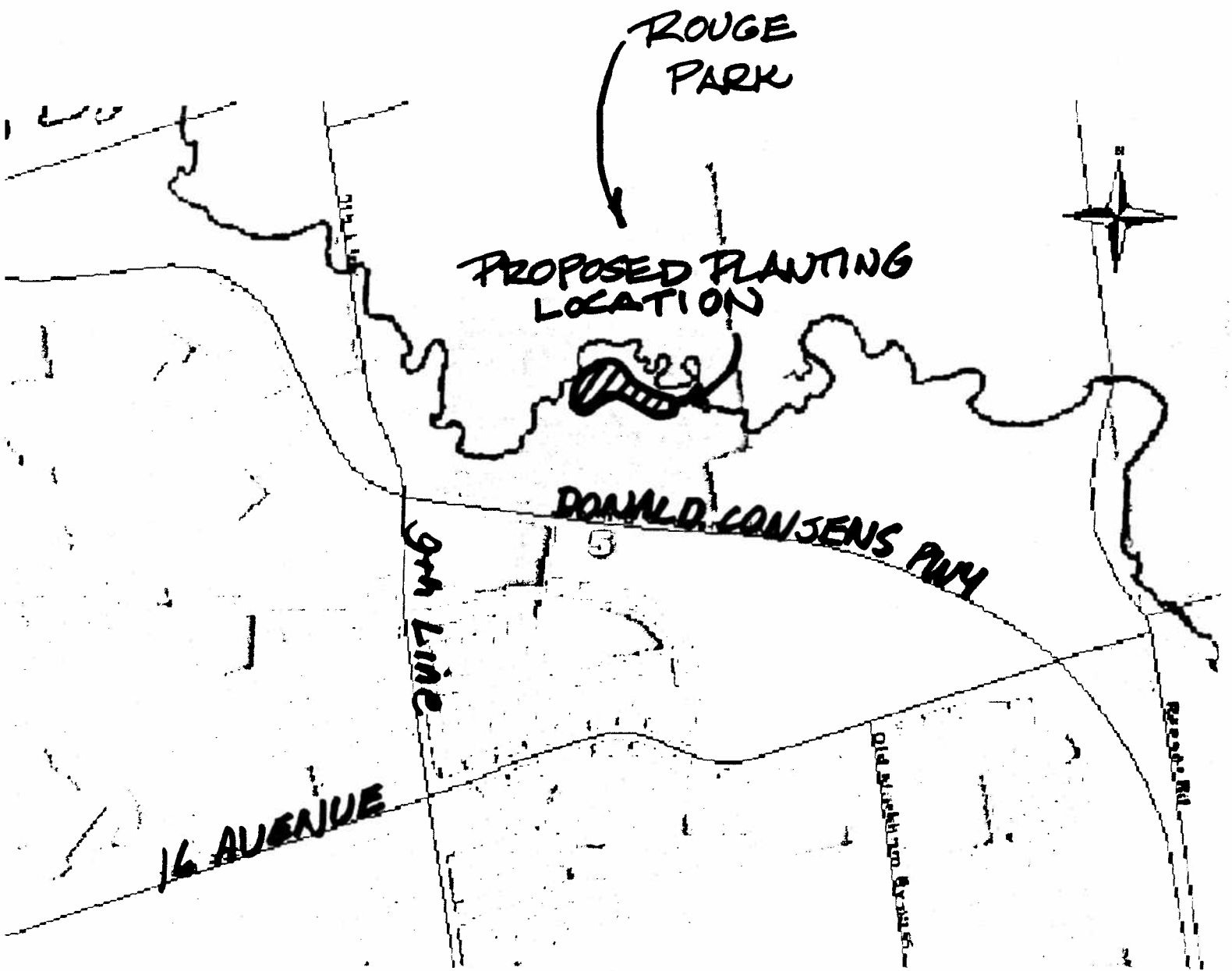
The planting will also create a feeling of “partnership” for the community. The community will feel that they can take credit for the greening of their neighbourhood. The people of the area will be stewards of their community

A mixture of 7,000 conifers, deciduous trees and shrubs has been selected based on their suitability to the site and low maintenance requirements. A complete species list is provided on the map.

White pine and red oak have been selected for planting on the moderately well drained areas of the site. Bur oak and walnut will be planted to provide food (in the form of nuts) to wildlife on the moderate to imperfectly drained areas. Silver maple and cottonwood will be mixed with the eastern white cedar on the imperfect and less drained portions of the site.

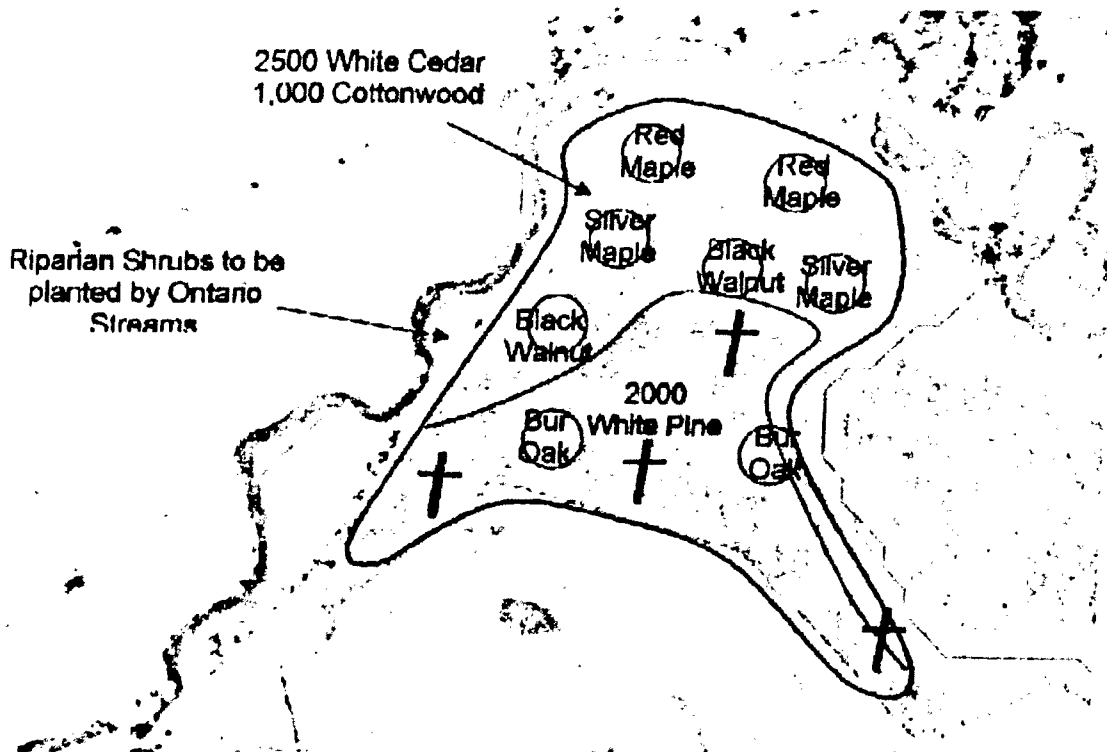
We will use a nucleation technique for this planting. Nucleation results in increased density between adjacent trees so that a closed canopy forms quickly which reduces competition from weeds. Plantation maintenance is also made more efficient and focused. Under this technique, trees and shrubs from thickets sooner, so wildlife habitat requirements for shelter and foraging are provided sooner.

Twelve snags will be installed on the site to provide nesting, perching, and foraging opportunities for cavity nesting birds, birds of prey and flycatchers. One snag, containing a pre-excavated cavity will be placed at the center of each even numbered nucleation plot



### 10,000 Trees for the Rouge, Spring 2008 Planting List

Common Name	Latin name	Total per Species	Grand Total
Coniferous Trees (29%)			4,500
Eastern white cedar	<i>Thuja occidentalis</i>	2,500	
White pine	<i>Pinus strobus</i>	2,000	
Deciduous Trees (25%)			2,500
Black walnut	<i>Juglans nigra</i>	400	
Cottonwood	<i>Populus deltoides</i>	800	
Red maple	<i>Acer rubra</i>	400	
Silver maple	<i>Acer saccharum</i>	400	
Bur Oak	<i>Quercus macrocarpa</i>	500	
Total			7,000



#### MAP LEGEND

- Nucleated Plot & Snag 22.5 m diameter
- Approx 200 deciduous trees per plot
- Other Snags
- Approximate Area 7 acres



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

10,000 Trees for the Rouge will provide maintenance on the site for a period of time subject to funding availability. This will include surveys to evaluate the condition of the trees and determine remedial measures as required.

In the past we have applied extra wood chip mulch, tried synthetic mulches, watered, mowed weeds, fertilized, applied tree guards, and erected temporary fencing to deter deer browsing.

In the first year, mulching trees and protecting them from deer seems to be the most important form of maintenance.

In subsequent years, once attrition has taken its toll, areas requiring extra trees are identified and then re-planted.

The budget for this work varies depending on funding but approximately \$5000.00 is set aside for each site.

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

Field Work & Monitoring Plan	
Project Start April 1st 2008	<ul style="list-style-type: none"><li>• Prepare site for planting day</li><li>• Distribute wood chips</li></ul>
	<ul style="list-style-type: none"><li>• Receive trees, distribute to compost piles and heel in place</li></ul>
Planting Day April 22 <sup>nd</sup> , 2008	<ul style="list-style-type: none"><li>• Instruct planting managers on site layout and planting methods</li><li>• Supervise and coordinate volunteers to get trees and shrubs planted</li></ul>
	<ul style="list-style-type: none"><li>• Install tree guards and some structures to reduce deer browsing</li><li>• Fertilize trees in protected areas to reduce transplant shock</li></ul>
	<ul style="list-style-type: none"><li>• Photograph site</li></ul>
May	<ul style="list-style-type: none"><li>• Monitor trees &amp; shrubs to verify initial viability, that buds flushed and leaves emerged (i.e. trees were alive)</li><li>• Monitor for insect herbivory (caterpillars etc.)</li></ul>
	<ul style="list-style-type: none"><li>• Monitor site and snags for wildlife use</li></ul>
June	<ul style="list-style-type: none"><li>• Mow weeds where necessary</li><li>• Photograph site</li></ul>
July - August	<ul style="list-style-type: none"><li>• Complete installation of protective fencing against deer browsing</li><li>• Complete fertilizing and water if necessary</li><li>• Cut weeds again, if necessary</li><li>• Conduct regeneration survey on previous year's site</li><li>• Monitor site and snags for wildlife use</li><li>• Photograph site</li></ul>
September - October Summer 2009	<ul style="list-style-type: none"><li>• Replant areas where survival was poor</li><li>• Conduct a formal regeneration survey</li></ul>

### **What are the measurable benefits of the Project?**

We plan to restore about 7 acres of urban green space to native forest cover with the planting of 7000 native trees and shrubs. Nesting, roosting and foraging opportunities are provided for raptors, flycatchers, and cavity nesters such as tree swallows.

Approximately 1500 people are expected to attend, discover new areas of Markham and the Rouge Park, and continue a tradition of green giving in their local community.

Positive effects are expected in relation to:

- a) Skills transfer to individuals and groups interested in restoring nature
- b) Practical experience gained from implementing various landscape restoration techniques
- c) Raising the profile of “greening” in Markham through media coverage of the event
- d) Raising the profile of “greening” in Markham through extensive community involvement
- e) The creation of wildlife habitat

The benefits will be measured in the following ways:

- a) We will measure the success of the planting by conducting a regeneration survey during the summer of the following year.
- b) We will measure the number of volunteers that participate in the project. We record which schools, youth groups, and clubs attend the event.
- c) We count the number of nests established in snags.

### **How will you promote the MESF fund with this project?**

At the ceremonial tree planting, we will have the opportunity to thank our sponsors, including the Town of Markham and the MESF fund. Our flyer also has the Town of Markham logo shown as one of our sponsors.

### **Will there be an educational sign component?**

There is a sign erected at the entrance to the planting site. The sign briefly describes the purpose of the planting and its habitat features. Also, sponsors of the planting are shown on this sign.

Signs are placed throughout the site indicating the species of trees that they are planting.

## **COMMUNITY INVOLVEMENT**

### **Cornell Ratepayers Association**

Steve Hood from the Cornell Ratepayers Association has attended one of our committee meetings to work on ways to involve their community.

They will post the 10,000 Trees flyer on their website and at all their community bulletin boards and kiosks. The event will be listed in the Cornell Newsletter. They are very excited to have this free, family oriented outing right in their own community. They believe it is a wonderful opportunity to have the neighbourhood get involved in an environmental project.

### **York Headwaters Scouts**

Our flyer will be posted on their website. We will be contacting each Group Leader individually to confirm their interest and ensure that we can accommodate their special needs (8 groups in Markham, 3 groups in Unionville, 2 groups in Milliken)

### **Highschools**

We are presently contacting each school on an individual basis to create relationships with the Geography Dept Heads, Environment Clubs, and as well as the Councillors. There is also the opportunity for students to work on community service hours.

### BUDGET FORM – HUMAN RESOURCES (Volunteers)

Markham Environmental Sustainability Fund Internal Guide and Application Form, March 2007

## BUDGET FORM

[illegible]

### Other Expenses

<b>Other Expenses</b>	<b>100</b>	<b>0.50</b>	<b>50.00</b>	<b>25.00</b>	<b>25.00</b>
(e.g. Printing Brochures)					
<b>Total</b>					

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

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

**Print Form**

## Reset Form

10,000 Trees for the Rouge Valley  
PLANTING BUDGET - 2008

	Project Payments \$	In Kind Donations \$	Value of Project \$
Pump rental Generator	100		100
<b>Materials</b>			
Stakes, fencing, fertilizer		50	50
Mulch delivery		5,180	8,080
Mulch material	850		
Habitat structures		120	970
Tree guards/Brush mats		1,600	1,600
(snags & ground level) / (drill holes / erection) (2,500 @ \$1.00)	2,400	800	800
	2,500	500	2,900
<b>Trees</b>			
Purchase	5,750	3,020	2,500
Tree ordering			8,770
Tree delivery, heeling in	30,000		30,000
		500	500
		1,000	1,000
<b>MAINTENANCE</b>			
Contractors - existing site	30,000	1,500	31,500
Contractors - prev site mnnc			
Regeneration Report	4,000		4,000
	5,500		5,500
	900		900
	10,400	-	10,400
<b>ADVERTISING &amp; PROMOTION</b>			
Fundraising			
Materials for fundraising	2,250	1,200	3,450
Canada Blooms		100	100
Flyer	550	300	850
Labels & Printing	1,200	300	1,500
Stamps for volunteer mailing	400	80	480
Photocopying	600		600
Photo developing	100	150	250
Site sign	100		100
Data base/Website management		250	250
	250	600	850
	5,450	2,980	8,430
<b>TOTAL PROJECT COST</b>	<b>57,700</b>	<b>48,894</b>	<b>106,594</b>

10,000 Trees for the Rouge Valley  
PLANTING BUDGET - 2008

SERVICES

Executive Meetings  
Sub-committee Meetings  
Training planting managers  
Volunteers to plant trees

(8 Exec.mtgs. @ 2.5hrs. @ \$8.00 x 10 people)  
(15 Subcom.mtgs. @ 2.5hrs. @ \$8.00 x 5 people)  
(25 volunteers @ 2 hrs. @ \$8.00)  
(1,200 volunteers @ 2.5 hrs. @ \$8.00)

ADMINISTRATION

Insurance  
Sign-in / Flier / Newsletter  
Accounting  
Stationary  
Typing

(12 months @ 3hrs/month @ \$8.00)  
(8 Exec.mtgs. @ 2hrs. @ \$8.00)

SITE PREPARATION

Police services  
St. John Ambulance  
Food / Beverages  
Preparation of site  
Road & Tree Signs  
Town of Markham

(6 people x 40 hrs. @ \$8.00)  
(4 people x 4 hrs. @ \$8.00)  
(picnic tables, recycling containers, pylons, vests)

FORESTRY CONSULTANT

EQUIPMENT/MATERIALS

Rental

Storage space  
Sign-in tent  
Walkie Talkies  
Tractor(s)  
Scarification  
ATVs  
Toilets / Washstands  
Shovels & Buckets  
Truck  
Barbecues

Project Payments \$	In Kind Donations \$	Value of Project \$
-	24,000	24,000
	27,500	27,500
250		250
500	100	100
	288	788
	100	100
	128	128
750	616	1,366
650		650
200		200
1,600	200	1,800
	1,920	1,920
	128	128
	1,850	1,850
2,450	4,098	6,548
	4,000	4,000
600	600	1,200
	450	450
	300	300
1,150		1,150
750	750	1,500
	1,000	1,000
	850	850
	480	480
300	700	700

60 @ \$8

## Funding Partners

Applications for funding have been made to the following organizations:

EcoAction	\$8,000	4905 Dufferin St Downsview, ON M3H 5T4
EJLB Foundation	\$2,000	1350 Sherbrooke St. W., Suite 1050 Montreal, QC H3G 1J1
Evergreen	\$3,000	355 Adelaide St. W. Flr 5 Toronto, ON M5V 1S2
Rohm & Haas	\$2,000	2 Manse Rd West Hill, ON M1E 3T9
Rouge Park	\$25,000	50 Bloomington Rd. W., Flr 3 Aurora, ON L4G 3G8
TD Friends of the Environment	\$8,000	66 Wellington St. W., Flr 17 Toronto, ON M5R 1A2
CWIP	\$1000	905-713-7361 John Pisapio
Starbucks	\$1000	416-335-4016 Gaylyn Craig
<b>Total</b>	<b>\$50,000</b>	



## IN-KIND DONATION PARTNERS

The following organizations have been asked for in-kind donations. Not all in-kind donations have been confirmed, but these organizations have supported past plantings. Estimated dollar value in brackets.

Agincourt Rotary Food Supply and Service	\$2300	c/o Kawano Assurance Agency 55 Nugget Ave, Suite 230 Scarborough, ON M1S 3L1
John Johnson Landscaping Equipment Rental	\$1000	63 Poplar Rd Scarborough, ON M1E 1Z2
Nature's Call Portable Washrooms	\$800	22 Cardico Dr, Gormley, ON L0H 1G0
NEST Professional services, Supplies	\$4,120	1320 Scoth Bush Road Douglas, ON K0J 1S0
Starbucks Coffee Beverage supply & service	\$500	P.O. Box 2236 Princeton, NJ, USA 08543
Town of Markham Mulch, equipment supply	\$4,250	101 Town Centre Blvd, Markham, ON L3R 9W3
Volunteer Planters	\$27,500	Estimated 1200 volunteer man-hours

## Applicant's Signature

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

If approved for funding I further acknowledge and agree:

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

Signature Julie MacKinlay Title Public Relations, 10000 Trees for the Rouge  
 Printed Name Julie MacKinlay Date Feb. 5.08

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

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

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

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

# Markham Environmental Sustainability Fund

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## Photo Consent and Release Form

I, Julie E. Mackinlay 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>Julie Mackinlay</u>		Date	<u>Feb 5 08</u>	
Address	<u>P.O. Box 191</u>				
Town	<u>Nobleton</u>	Province	<u>ON</u>	Postal Code	<u>L6G 1N0</u>
Telephone	<u>905-859-3938</u>		Email	<u>jmackinlay@sympatico.ca</u>	
Town of Markham:					
Town Representative			Date		



February 25, 2008  
The Town of Markham,  
The attention of Mavis Urquhart

### WALDEN POND II, REPORT ON BOILER RETROFIT PROGRAM COSTS, GRANTS, SAVINGS

In July 2005, RoMar Engineering conducted a Building Energy Audit on our Condominium.

It was determined that the existing boilers, while not due for replacement for approximately three years, were providing on an efficiency of operation of 60%.

It was recommended that we participate in fuel efficiency reduction program initiative grants provided by ENRCAN, and Enbridge, to take advantage of installation cost savings, considerable fuel savings, and contribute dramatically to the environment of the community through the reduction of CO2 greenhouse gas emissions.

Our Condominium Board believed that such direction would be an intelligent business decision, and therefore we applied for both grants, and were approved.

The grant from NRCAN totaled \$28,000, with \$14,000 being provided on completion of the Boiler retrofit, and the balance after one year of monitored usage, providing that the fuel and energy savings experienced were 15% or greater, which we achieved.

Enbridge provided an incentive of \$11,200 on completion of installation.

Our contact cost was \$231,000, less the total incentives of \$39,200, equaling \$191,800.

The new efficiency Boilers were installed, and made operational, in October of 2006.

Our gas energy usage consumption between October 2005, and October 2006, was 347,000 cubic meters.

Prior to this renovation, we had replaced our roof, and installed an additional 4" of foam panel insulation, which has with out a doubt contributed to our heating, and air conditioning usage savings.

From October 2006 through October 2007 our usage was 204,580 units, a saving of 52,534 cubic meters, or 15%!

This would relate to a CO2 emission reduction of 99.3 mega tons. Extrapolated out over three years, the probable normal replacement time frame, this would equate to a very significant saving of approx. **300 mega tons of CO2. Obviously similar savings can be expected for years.**

Surely from an Environmental concern, these figures must provide significant advantages to the Town of Markham.

When we originally applied for MESF assistance we understood that a grant of up to \$10,000 might be available. As you are aware we have turned down twice, in our requests, because apparently, our project would not be eligible.

There was concern that we were a "business Corporation" because of the required corporation number identity. In fact, of course we are a community of 149 resident owned apartments!

It bothered us greatly when we noted funding under the umbrella of MESF, of \$3,601 to Pomona Mills Conservationists Inc. for a cleanup/planting, and signage program; \$10,000 to the Unionville Villager's Association for Aerial Pathway signage; \$5,250 for 10,000 Trees for the Rouge Valley Wildlife Restoration Program; and \$4,800 to the St. Justin Martyr Council, Knights of Columbus for interruptive signage.

We respect that all of these projects are probably worthy we wish to stress once again that our contribution to the improvement of the environment, surely overshadows their projects, and DOES provide exceptional rewards to The Town of Markham.

We respectfully request that The Committee revisiting our request, and strongly consider some form of financial grant appropriate to our contribution.

You are already very much aware of our buildings "green" activities over and above the subject project, in that we have completely retrofitted our entire Condominium with energy saving CFL, and LED lighting in all apartments, and common areas where practical, including the installation of CFL equipped corridor lighting fixtures. We have installed CO2 sensor metering in our garage areas, reducing the ventilation fan requirements to a very minimal usage, and we are installing light sensor units in the garages, to reduce the normal 24/7 usage by approximately two thirds, and where practical reduce the numbers of fluorescent tubes utilized throughout the building. Our gains so far, relative to Hydro consumption reduction, well exceed the Provincial Governments requirements, of ten percent.

As we mentioned in our last meeting, we would be pleased to have other interested Condominiums, or Businesses visit our building to experience our successes.

I wish to thank you Mavis, for your consideration to this concern.

Best regards

Doug Hortin

President, the Board of Directors,

YRRC Condominium Corporation # 636

# APPENDIX 7

## HERITAGE MARKHAM EXTRACT

DATE: March 20, 2008

TO: R. Hutcheson, Manager of Heritage Planning  
M. Urquhart, Manager of Environmental Leadership

### EXTRACT CONTAINING ITEM # 13 OF THE THIRD HERITAGE MARKHAM COMMITTEE MEETING HELD ON MARCH 12, 2008

#### 13. STREETScape ISSUES

##### LIGHTING ON MAIN STREET UNIONVILLE (16.11)

Extracts: R. Hutcheson, Manager of Heritage Planning  
M. Urquhart, Manager of Environment Leadership

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The Manager of Heritage Planning gave a presentation on this proposal.

#### HERITAGE MARKHAM RECOMMENDS:

THAT Heritage Markham has no objection to the illumination of the proposed Unionville gateway sign at Highway 7 and Main Street using LED bulbs and a solar panel on the understanding that the solar panel will not be readily visible;

AND THAT Heritage Markham has no objection to the installation of string lighting on commercial buildings in the Unionville commercial core area using energy efficient LED string lights as replacements for existing incandescent lighting;

THAT Heritage Markham has no objection, **in principle**, to replacing the existing seasonal lighting on street light poles on Main Street with new solar powered LED mini lights which will light the street year round, but reserves its full support until it can be demonstrated that the installation of the solar panels will not detrimentally impact the heritage character of Main Street, Unionville (the installation of a sample solar panel on an existing light pole is requested);

AND THAT Heritage Markham has no objection, **in principle**, to the installation of new solar powered LED mini lights on wooden flower basket poles on Main Street (which will light the street year round) but reserves its full support until it can be demonstrated that the installation of the solar panels will not detrimentally impact the heritage character of Main Street, Unionville (the installation of a sample solar panel on an existing flower basket pole is requested).

CARRIED.

