

Report to: Environmental Issues Committee
Report Date: October 7, 2010
Subject: Markham Environmental Sustainability Fund, Funding Applications, Fall 2010
Prepared by: Mavis Urquhart, Manager, Environmental Policy and Program Development, Operations Dept, Community and Fire Services Commission, Ext. 7502

Recommending:

1. The funding application by David Suzuki Public School, for \$2,040, for an outdoor classroom, be approved, subject to final review and approval of a site plan and species selection by Parks staff;
2. The funding application by David Merriman, Facilities Coordinator, for \$33,285, for a Green Spin Studio, be approved;
3. The application by James Robinson Public School, for \$5,000, for an organic waste recycling project, be approved, subject to working with Town of Markham Waste Management staff;

- 4a. That the application from Vicky McGrath, Sustainability Office, for a school demonstration garden at Baythorn PS, be approved, subject to submission of a separate budget for the school in an amount not to exceed \$2,500 and the consent of the school board;

And the Sustainability office staff take all necessary steps, prior to release of funding to Baythorn P.S. to ensure all necessary approvals are secured and soil testing has been taken;

- 4b. And that the request for Town funding of a community garden on a private condominium property be denied due to concerns about public access, its location, parking, and ability to secure condominium board approval;

And further that no community gardens be developed until the community garden policy that is currently underway by the Sustainability Office is in place.

5. That the application by Jose Etchevarry for a Sustainable Energy Initiative, be approved, for \$3,320 in funding, subject to providing school board consent;
6. That the application received from Alex Moore, Purchasing, for \$50,000, for a part-time person for educational awareness on green purchasing, be denied;
7. The funds come from the Markham Environmental Sustainability Fund (MESF), account #87 2800168;

The balance of this Fund at the beginning of 2010 is \$300,000. This funding is split between Town Projects (\$200,000) and Community Applications (\$100,000). This Fall report recommends funding for 3 Community projects for \$10,360 and 2 staff projects (Green Spin Studio and school demonstration garden) equaling \$35,785, for a total of \$46,145. It recommends that the request for a community garden on a private condominium property be refused. All applications are attached.

Funding would come from Markham Environmental Sustainability Fund (MESF), account #87 2800168. The next deadline for applications is February 18, 2011. The attached chart sets out this year's expenditures from the fund. The purpose of this report to Environmental Issues Committee is to:

- Recommend 2010 MESF Fall funding for Staff and Community projects; and,
- Provide a progress report on expenditures for 2010.

This Section describes the Community and Internal applications which are evaluated based upon community and internal funding criteria (Attachment 1 & 2):

1. Outdoor Classroom - David Suzuki Public School, 45 Riverwalk Drive (Ninth Line and 14th Avenue – Southeast quadrant) requesting \$2,040 for an outdoor classroom

This application has come from a teacher at David Suzuki PS. This school has an Eco Team and would like to create an outdoor classroom to help with delivery of their curriculum. They would like to incorporate native plants and shrubs that attract birds and butterflies. Each native plant will have a sign indicating its species. Construction will be undertaken by students, teachers and caretakers. The gardens will be maintained throughout the school year by students, and in the summer by caretakers and parent volunteers. 72 volunteers are shown to participate in this project for a total of 96 in kind hours. The budget shows that the total value of the project is \$4,040, with \$2,040 requested from MESF and \$2,000 from other sources, including Home Depot and Green Apple grants. MESF funding are to be used as follows:

• 4 native trees =	\$800
• 64 native perennials =	\$640
• soil =	\$600
TOTAL =	\$2,040.00

MESF will be promoted through the school newsletter.

The school board consent form has been completed and submitted. Staff has reviewed and requested that the proposed location of the trees shown on the proposed site plan be confirmed to ensure that they will be on school property. Parks staff should review the site plan in advance to confirm planting locations and that the proposed plantings are all native species.

Recommendation:

That the application by David Suzuki Public School, for an outdoor classroom, be approved, for \$2,040 in funding subject to the review and approval of the site plan and plant species by Parks Staff.

2. Green Spin studio - David Merriman, Facility Coordinator, Recreation Dept. requesting \$33,285 at Thornhill Community Centre

This is a request to install generators on 15 cycles used in spinning classes at Thornhill Community Centre that will convert the energy of the cyclists into electricity which can then be fed into the facility's electrical grid. Any excess electricity can be returned to the community's power grid. The application states this project would save energy costs, decrease the community centre's carbon footprint, and engage and educate patrons. Monitors on each bike show the individual how much electricity is being generated by their peddling and in turn, a large monitor calculates and displays overall class results. According to the application, this technology has been used in other private fitness clubs however Markham would be the 1st municipality to install this system. Project team members include staff from recreation facilities and the Markham Energy Conservation Office. Over the course of the year a group cycling class could produce electricity equivalent to lighting 54 homes for a month and reducing carbon emissions by 3,750 pounds. This application has been circulated to the Markham Energy Conservation Office Manager who will be working as part of the Team in delivery of this project.

A communications plan would be part of the project to promote green and sustainable technology and the Town's commitment to be a leader in this area. Operating costs and replacement/upgrading of the equipment will be covered by the Recreation Department. The budget shows the following:

- 15 energy generators = \$14,625
- Energy grid = \$8,775
- Installation = \$885
- Display unit/hardware = \$2,500
- Graphics/signage = \$3,000
- Contingency= \$3,000
- Promotional materials = \$500

TOTAL = \$33,285.00

The application includes information on the supplier and the product.

MESF funding should be promoted as part of the communication program.

Recommendation:

That the application by David Merriman, Facilities Coordinator, for a green spin studio, be approved, for \$33,285 in funding.

3. **Recycling Program - James Robinson Public School - 90 Robinson Street (Highway 7 and 48 - Northwest quadrant), requesting \$5,000 for an organics recycling program**

This application has come from a teacher at James Robinson PS. This school is certified as an Eco Gold school with a committed Green Team. They want to improve their recycling practices and reduce the amount of materials going into landfill sites by adding curbside pick up of organic wastes to the school's recycling practices. Support is coming from the school's Parent Council and staff and they will be working with the Town of Markham Waste Department.

The budget is for \$5,200 with \$5,000 requested from MESF and \$200 coming from the Parent Council. The request for MESF funds include:

• 38 Green bins =	\$684
• 38 blue boxes =	\$304
• 3 large green otto carts =	\$207
• 35 black garbage bins with lids =	\$895
• 1 Concrete bunker for outside storage =	\$2,910
TOTAL =	\$5,000.00

The school board consent form has been completed and submitted. Waste Staff has met with the school representative and is willing to assist with this project.

MESF would be promoted through the school's monthly newsletter and through word of mouth from staff, the parents council and board meetings. In addition, the school will post Town signage or stickers.

Recommendation:

That the application by James Robinson Public School, for an organic waste recycling program be approved, for \$5,000 in funding, subject to working with Town of Markham Waste Management staff.

4. **Condominium Community Garden and School Garden – Vicky McGrath, Director, Sustainability Office, requesting \$4,932 for a Baythorn School Garden and a Townhouse Condominium Community Garden (Baythorn PS is located east of Yonge Street and north of Royal Orchard Blvd. The condominium is located west of Bayview Avenue south of the 407)**

This application is for a pilot project to develop 2 community gardens in spring 2011, to serve as demonstration models for the community. One is at Baythorn Public School, which could offer tours and workshops for parents, teachers and school administrators interested in starting similar projects. The other is for a condominium garden that could illustrate to other residents and condominium boards how a community garden can be integrated into higher density and established communities. A pilot community garden project was previously funded by MESF for Legacy Garden located on Markham Green Golf Course. The Sustainability Office has been developing a community garden policy for the Town which will set out the requirements for the

establishment of these gardens, including requirements for administration, resources, soil testing, funding, etc. This will be particularly important if other schools and condominium complexes, as well as parks, are identified as locations for developing community gardens as part of the Greenprint implementation.

Seeds of Change is a community organization that would be assisting with the organization and execution of this project. A work plan is included with the application that shows how the project will be carried out and that a “how to” manual would be prepared. The application indicates that additional funds are being sought from Carrot Cache, Shell Environmental Fund and Earth day Community Fund.

The school application does not include details about the size and location of the garden and whether soil testing will be conducted.

Since this is a community garden, issues concerning the townhouse complex garden include how community participants will be selected, its location, parking, and public access to garden plots for those who do not live within the complex.

The Sustainability Office has committed \$2,500 per garden to cover materials and tools. In kind support will be received from Garden Import Inc. (\$350) and Sheridan Nurseries (20% purchases). Additional funding is being sought to implement part-time staffing at the gardens, which will be especially important at the school garden over the summer months, to develop a resource website, and to complete the work required for the “how to” manual.

4,204 volunteer hours are shown. The budgets for the 2 gardens have been combined in the application. The total cost is \$11,421 with \$4,932 requested from MESF and \$6,489 coming from other sources (including \$5,000 from the Sustainability Office). MESF funding is to be used for:

• Indoor composter =	\$700
• Cold Frame =	\$380
• Outdoor education area =	\$600
• Signage =	\$400
• First Aid Kits =	\$52
• Honorariums =	\$800
• Printing of flyers =	\$2,000
TOTAL=	\$4,932.00

MESF is proposed to be recognized on all printed materials for promotion, resources, and the manual. The fund will also be recognized on signage at the gardens.

Staff has no objections to the school demonstration garden, however, consent is required from the School Board. Staff does not support the establishment of a public community garden on privately-owned condominium property. Should the committee choose to approve the condominium townhouse community garden, the Town solicitor advises that a duly authorized

resolution of the condominium board be obtained to ensure that the condominium board has agreed to this project. It is unclear from the application how community access can be guaranteed on private property and where the garden is proposed to be located.

Recommendation

School Garden

That the application from Vicky McGrath, Sustainability Office, for a school demonstration garden at Baythorn PS, be approved, subject to submission of a separate budget for the school in an amount not to exceed \$2,500;

And the Sustainability office staff take all necessary steps, prior to release of funding to ensure all necessary approvals are secured and soil testing has been taken;

Community Garden

And that the request for funding a community garden at a townhouse condominium, be denied;

And that no further community gardens be developed until a community garden policy is in place.

5. Sustainable Energy Initiative - Dr. Jose Etcheverry, York University, requesting \$3,320 for an Energy Training Initiative program at Markham District High school

This project is to introduce young students at Markham District High school about the renewable energy market and train them with hands-on experience on how to conduct renewable energy assessments using solar resource assessment tools. The project will teach students how to use these tools to quantify the renewable energy potential for key buildings in Markham such as libraries, schools and churches. The project team includes Dr. Jose Etcheverry, an assistant professor at York University and Markham resident in addition to a York graduate student, a representative from Windfall Ecology Centre and a teacher from Markham District High School. This application has been circulated to MECO and the manager will be working as part of the Team in delivery of this project

390 in kind hours are shown. The total cost is \$3,320 with all funds requested from MESF. MESF funding is to be used for:

- Equipment = \$2,495
 - Final report of site assessments = \$500
 - Bus tickets for students to York U = \$325
- TOTAL = \$3,320.00**

Consent has not been provided by the School Board.

MESF would be promoted through virtual signage on the York University Faculty of Environmental Science’s website.

Recommendation:

That the application by Jose Etchevarry for a Sustainable Energy Initiative be approved, for \$3,320 in funding, subject to approval from the school board.

6. Part time Person to promote Green Purchasing – Alex Moore, Manager, Purchasing, requesting \$50,000

This application is to develop Markham's Sustainable Purchasing Practices to help staff purchasing environmentally preferable products and services.

In Fall 2009, the Purchasing Department received \$20,000 funding from MESF to develop Markham's Sustainable Purchasing Practices guide. This current application is a request for \$50,000 in funding to hire a person for 6 months to:

- Provide education awareness to staff about green products
- Train staff about Sustainable Purchasing Practices
- Monitor purchasing for conformance to the guide
- Update the Green Procurement Guide as new information and products become available

The application was received after the September 17th deadline for MESF applications.

While Staff recognizes the importance and value of completing the Green Procurement Guide and awareness program, Council's direction, (November 25, 2008), specifies that MESF funding is intended for projects that would not normally be considered as part of a department's budget. As stated with the first application, the hiring of staff to assist with development and delivery of an existing policy initiative would not meet this standard, in staff's opinion, and could set a precedent for future funding requests. It is therefore not recommended for approval.

Recommendation:

That the application from Finance staff, requesting MESF funding in the amount of \$50,000 for hiring of a part time person to help finalize the Green Procurement Guide, be denied.

The following chart sets recommended expenditures to date from the fund.

MESF FUNDING 2010	
TOTAL FUNDING	\$ 300,000
FUNDING AVAILABLE FOR COMMUNITY GROUPS	\$ 100,000
<i>Community Projects Approved – 1st Half of 2010 (Spring)</i>	
<i>Little Rouge Creek Rehabilitation</i>	\$ 5,000
<i>Youth Ecological Action Conference</i>	\$ 9,368.36
<i>Ellen Fairclough Public School</i>	\$ 5,000
<i>Unionville Meadows Public School</i>	\$ 3,572
<i>Community Projects Recommended – 2nd Half of 2010 (Fall)</i>	
<i>David Suzuki PS</i>	\$ 2,040
<i>James Robinson PS</i>	\$ 5,000
<i>Sustainable Energy Initiative</i>	\$ 3,320
Total	\$33,300.36
Funds Remaining for Community Projects in 2010	\$66,699.64
FUNDING AVAILABLE FOR TOWN PROJECTS	\$200,000
<i>Town Projects Approved – 1st Half of 2010(Spring)</i>	
<i>Legacy Organic Garden (Sustainability Office)</i>	\$ 2,500
<i>Town Projects Recommended – 1st Half of 2010(Spring)</i>	
<i>Green Spin Studio (Recreation Department)</i>	\$ 33,285
<i>School Garden/Condo Community Garden (Sustainability Office)</i>	\$ 2,500 (school only)
<i>Markham's Sustainable Purchasing Practices</i>	Not recommended
Total	\$ 38,285
Funds Remaining for Town Projects in 2010	\$161,715
TOTAL MESF FUNDS RECOMMENDED FOR PROJECTS IN 2010	\$ 71,585.36
TOTAL MESF FUNDS REMAINING	\$228,414.64

APPLICATION 1

Date Sept. 17/10

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

Attention: Mavis Urquhart, Manager, Environmental Policy and Program Development

Re: Consent for Application for M.E.S.F. Funding for David Suzuki Public School

The Registered Owner of the lands at David Suzuki School is the York Region District School Board.

The YRDS Board (Owner) consents to the application by David Suzuki School for funds from the Markham Environmental Sustainability Fund (M.E.S.F.). In this capacity, the YRDS Board acknowledges that the proposed project complies with all Board applicable policies and requirements. Nancy Dodds, Principal of David Suzuki School, as the "Applicant for M.E.S.F." has the authority to give consent for the project.

Sincerely, Nancy Dodds
Principal, David Suzuki P.S.
YRDS Board
Position



Application Form

For Office Use Only - Project No.:

Group Information			
Name	David Suzuki Public School (Eco Team)		
Address	45 Riverwalk Drive, Markham L6B 0L9		
Phone	905-209-0435	Fax	905-209-0847
Email	jennifer.lim@yrdsb.edu.on.ca	Website Address	www.davidsuzuki.ps.yrdsb.edu.on.ca
Charitable/Non Profit Organization registration # (if applicable)	Our Group has a bank account in the name of our organization Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
11930 6462 RR 0001			

Briefly describe what your group does:

Our Eco Team is composed of administrators, secretaries, teachers, caretakers, and students. We have taken the initiative to care for our environment and to teach everyone in the school about it. We try to ensure that our school population is ~~ent~~ involved in taking care of the environment and that we raise awareness

Projects Contacts			
Name	Jennifer Lim	Name	Nancy Dodds
Title	teacher	Title	principal
Phone (work)	905-209-0435	Phone (work)	905-209-0435
Phone (home)	6462 - 0001	Phone (home)	
Email	jennifer.lim@yrdsb.edu.on.ca	Email	

Project Summary			
Title		Outdoor Classroom	
Location of Project		David Suzuki Public School Field	
Name of Registered Owner of the Lands		York Region District School Board	
Address of Registered Owner of the Lands		60 Wellington St.W., Aurora L4G 3H2	
Contact Name for Registered Owner of the Lands			
Phone # Registered Owner of the Lands		Duration (months, maximum 12 months)	12
Request for	Spring Funding <input type="checkbox"/>	Fall Funding <input type="checkbox"/>	Either <input checked="" type="checkbox"/>
Start Date of Project	Sept. 2010	End Date	Sept. 2011

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.

We would like to create an outdoor classroom to help with our ongoing delivery of curriculum. Having an outdoor classroom would give students a chance to learn in the outdoors and also to learn about their environment. We would like to incorporate native plants that attract various animals (butterflies, hummingbirds, other bird species) as well as vegetables and herbs.

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 for project: To create an outdoor classroom to help with our ongoing delivery of curriculum.

Description of the team: - consists of administrators, secretaries, teachers, caretakers, and students
- K-8 public school in YRDSB

Project Accomplishment: - provide students a chance to learn in the outdoors
- teach students about their environment
- increase biodiversity by incorporating native plants as it attracts animals

Maintenance of Project: After completion, students in each class will be given the opportunity to take care of the garden. The Eco Team will create a schedule for each class for the school year. In the summer time, caretakers and parent volunteers will be responsible for maintaining the plants.

Measurable Benefits: - Raise awareness about the environment in students and teachers
- Possibly increase the butterfly population

Promotion of MESF fund: Publishing our project and funding on the school newsletter.
other funding sources/in kind support: - School fundraising (Eco Team yard sale),
- Home Depot grant
- Green Apple grant

How it will be maintained: Each class will be responsible for planting and maintaining the plants every week by watering and planting (when necessary)

Educational sign component: Each plant will have a sign stating what type of plant it is

★ Please see Outdoor Classroom Plan Map attached ★

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	\$ 4040.00	Amount requested from the MESF	\$ 2040.00
Amount from other sources	\$2000.00	In- Kind support hours	96

BUDGET FORM – HUMAN RESOURCES (Volunteers)

[illegible]

BUDGET FORM

Other Expenses

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

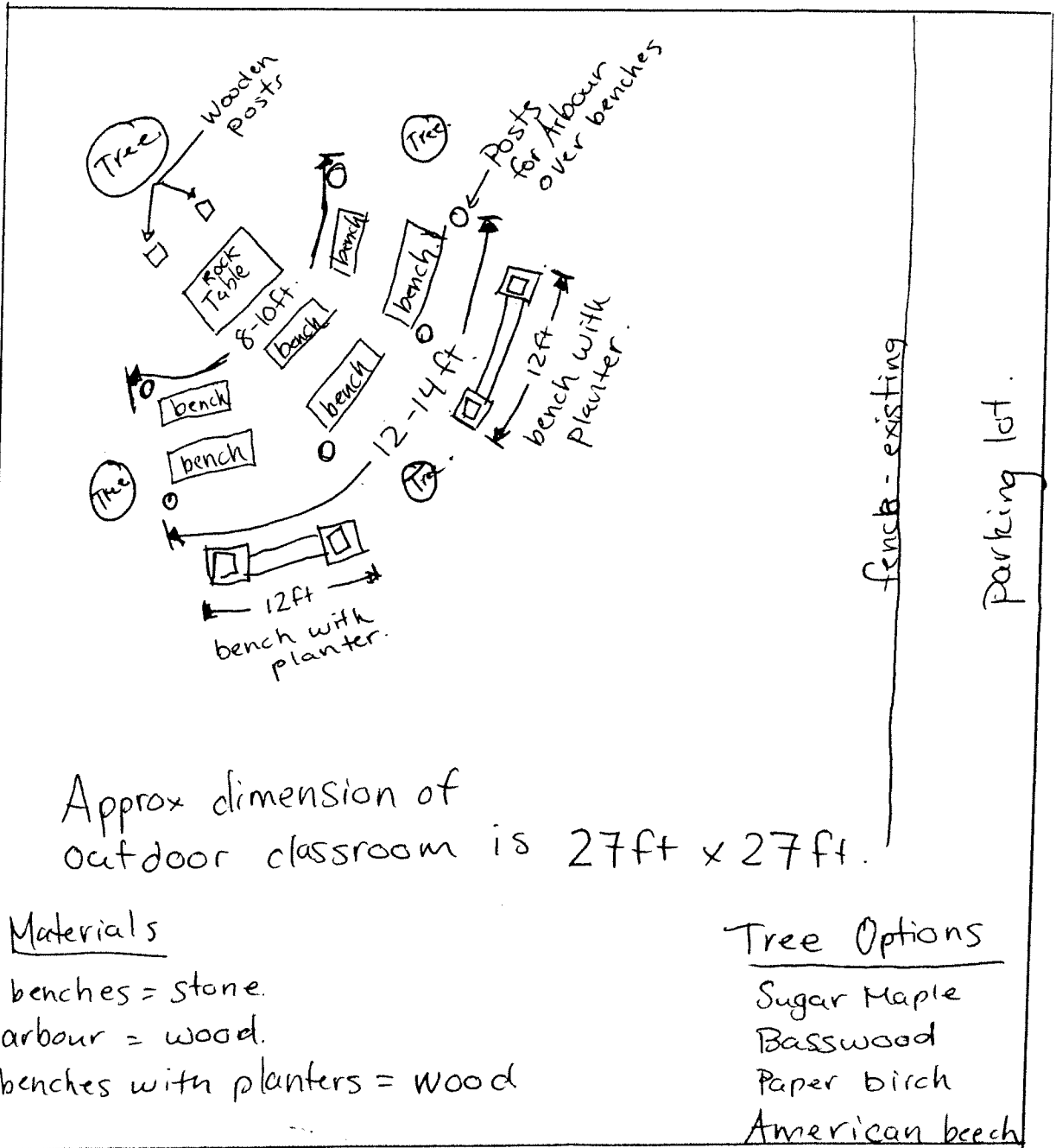
Upon completion of this Project please submit your project report, as well as original invoices, photos and records to Manager, Environmental Leadership, Town of Markham, 101Town Centre Boulevard, Markham, Ontario, L3R 9W3. Telephone 905-415-7502. Fax 905-475-4710. Photos may be posted on the Town's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

Outdoor Classroom Plan

David Suzuki P.S.



homes



School

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.
8. to permit the Town of Markham to claim ownership of greenhouse gas emission reductions, which resulted from the project.

Signature Jennifer Lim Title Teacher

Printed Name Jennifer Lim Date Sept. 17, 2010

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

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

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

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

Markham Environmental Sustainability Fund

Photo Consent and Release Form

I, Jennifer M. Lim 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	Jennifer Lim	Date	Sept. 17/10		
Address	45 Riverwalk Drive				
Town	Markham	Province	ON	Postal Code	L6B 0L9
Telephone	905-209-0435	Email	jennifer.lim@yrdsb.edu.on.ca		
Town of Markham:					
Town Representative		Date			

For Office Use Only - Project No.:

APPLICATION FORM**PROJECT MANAGER**

Name & Position	Dave Merriman, Facility Coordinator
Department	Recreation Services
Phone	905-944-3777
Fax	905-944-3787

Email	dmerriman@markham.ca	Website Address	www.markham.ca
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PROJECT'S CONTACTS

Name	Warren Watson	Name	Carol Manning
Dept.	Recreation Services	Dept.	Recreation Services
Phone	905-294-6111	Phone	905-394-6111
Email	wwatson@markham.ca	Email	cmanning@markham.ca

PROJECT SUMMARY

Title	Green Spin Studio		
Location of Project (If applicable)	Thornhill Community Centre		
Duration (months, maximum 12 months)	5 months		
Request for:	Spring Funding	Fall X Funding	Either — —
Start Date of Project	November 1, 2010	End Date	March 31, 2010

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

Installation of generators on the fifteen (15) spin cycles used in the Spin Studio at the Thornhill Community Centre will take the energy of individuals participating in spin classes and convert the energy into electricity. Harnessing electricity from these fitness sessions helps reduce carbon emissions and lowers the community's demand for fossil fuel-based energy. The electricity generated can be connected to the facility's electrical grid through an inverter, so that "human" electricity can be used to power all aspects of the facility. Any excess electricity has the potential to return to the power grid for others in the community to use.

Markham would be the first municipality to install this system on the bikes. This will position the Town as a leader in sustainable and "green" fitness for municipalities. The technology has been used in several private fitness centres but no other municipality.

The power generated from human exercise can help to make the environment cleaner and greener while promoting a healthy lifestyle. While this is an effective method to lower energy consumption at a time when energy costs continue to escalate, it is also a progressive step forward in adopting a "green" platform for fitness. It will enhance the public image and connects health and fitness with the creation of clean, renewable energy. The project aligns with the Town of Markham's Green Print Sustainability Plan's pillars of sustainability. It will directly contribute to the "environmental health" of the community and individuals. It will improve the "social and cultural well-being" of participants and by increasing participation in classes, generate additional revenue and improve "economic vitality".

The project aligns with the plan's sustainability priorities of a) individual health, b) energy & climate and c) education and skills. The use of this unique system changing human energy to electricity will improve participants health while directly contributing to the reduction of energy consumption and also conveying an important message that the Town of Markham is committed not only to sustainability and environmental responsibility but to finding new and creative ways of taking action.

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:

A new Spin Cycle Studio is being built at the Thornhill Community Centre. This dedicated fitness space will be used exclusively for spin classes. Individuals attend these classes to improve their fitness and health. The Recreation Services Department is committed to the sustainability of facilities, services and programmed activities. The Department actively explores opportunities to take initiatives that improve environmental sustainability. The fifteen (15) spin cycles in the studio will be fitted with individual generators. These generators will harness the energy generated by the individual peddling the cycle and turn it into electricity. This electricity flows back to the grid. The project will save energy costs, decrease carbon footprint, lessen green house gases, engage and educate patrons.

The project team has members representing Recreation Facilities and programs as well as the Markham Energy Conservation Office. These members are:
 Dave Merriman, Recreation, 905-477-7000 ext 3787
 Warren Watson, Recreation, 905-294-6111 ext 231
 Carol Manning, Recreation, 905-294-6111 ext 229
 Graham Seaman, MECO, 905-477-7000 ext. 7523

The installation of the generators on each spin cycle will result in an innovative, creative method of capturing energy created by beneficial physical activity and converting it to electricity. Monitors on each bike show the individual how much electricity is being generated by their peddling and in turn a large monitor calculates and shows overall class results. This provides additional incentive to participants in that they are not only participating in an activity which has obvious benefits to their health and wellbeing but is also contributing directly to the sustainability of the environment.

Once the installation is completed Recreation Staff (listed above) will continue to maintain and monitor the overall project to verify results, promote and encourage participation and educate the public.

Participation in the spin classes will result in direct energy savings. The energy that is produced by individuals pedaling on spin bikes is converted to electricity. Below is an example of the amount of energy that can be produced.

Watts	What It Powers	Carbon Impact
A Single Workout		
Average Person 100-130 watt hour (Wh)	4+compact fluorescents for an hour	2 oz. of CO2 reduced
Elite Athlete Up to 300 watt hour (Wh)	2 laptop computers for an hour	6 oz. of CO2 reduced
Group Cycling Class		
Full Class (15 participants) 1.9-2.25 kilowatt hour (kWh)	75+compact fluorescent or central air for an hour	3.37 lbs of CO2 reduced
Over a Month	Light 4.5 homes for a month	315 lbs of CO2 reduced
Over a Year	Light 54 homes for a month	3750 lbs of CO2 reduced

Figures based on North American Grid (120V 60 hertz)

Promotion, marketing and educating will be an important part of an overall communications strategy for the project. The quantifiable benefits are obvious in the amount of measureable electricity generated, increased participation levels and additional revenue generation. There are quantitative benefits such as the increased awareness by participants and members of the public to the environmental initiatives this project represents. The studio will give the Town an excellent vehicle to deliver this important message. To that end, extensive graphics, signage, etc. are planned for the design and operation of the studio.

There are no additional funding sources identified at this time. Operating costs will be covered annually in the fitness centre operating budget. Life cycle would be monitored and replacement/upgrading costs included in the yearly Recreation Capital submission. Should anticipated results be verified and performance standards obtained as specified, expansion of the program and system would be considered at other Recreation fitness centres. The technology is progressing quickly and the supplier anticipates expansion of the product for use in treadmills, etc.

Extensive educational signage will be incorporated into the overall design of the studio conveying information on the energy savings, etc. The project offers a tremendous marketing opportunity to convey an important message regarding green and sustainable technology and the Town's commitment to be a leader in this area.

Project Schedule	Nov	Dec	Jan	Feb	Mar
Conceptual Design	✓				
Equipment Purchase & Delivery		✓	✓		
Marketing Promotion		✓	✓	✓	
Commissioning				✓	
Classes					✓

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	\$33,285	Amount requested from the MESF	\$33,285.
Amount from other sources	\$0.	In- Kind support hours	

BUDGET FORM – HUMAN RESOURCES (Volunteers)


Service	Details		In- Kind Value (in hours worked)
	Number of People	Estimated Time for Each (hour)	
Not applicable to this project.			
Total			

BUDGET FORM

Materials, Supplies and Equipment	Cost			MESF	Other
	# of units	Unit Cost \$	Total Cost \$		
Green Revolution Energy Generator	15	\$975.00.	\$14,625.00.	\$14,625.	\$0.
Green Revolution Energy Grid	1	\$8,775.00.	\$8,775.00.	\$8,775.00.	\$0.
Installation costs (Wiring, hardware)	1	\$885.00.	\$885.00.	\$885.00.	\$0.
Display unit/hardware	1	\$2,500.00.	\$2,500.00.	\$2,500.00.	\$0.
Freight & Delivery					
Installation					
HST	1				
Graphics/Signage	1	\$3,000.	\$3,000.	\$3,000.	\$0.
Contingency	1	\$3,000	\$3,000.		
Other Expenses					
Promotional Materials (Brochures)	1	\$500.	\$500.	\$500.	\$0.
Total			\$33,285.	\$33,285.	

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 type="checkbox"/>	Other <input type="checkbox"/>
<p>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.</p>			

DEPARTMENT HEAD'S AUTHORIZATION

Signature  Title Director of Recreation.

Printed Name Mary Creighton Date Sept 17/10

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	



The Green Revolution, Inc

54 Danbury Rd, Suite 417
Ridgefield, CT 06877
1-888-757-7530
www.egreenrevolution.com

Bill To Address:		Contact Information		Estimate	
3990 Major Mackenzie Drive East Markham, Ontario, L6C 1P8		David Merriman Unionville Recreation Area 905-944-3787 (direct line) dmerriman@markham.ca		Date	Number
				August 23 2010	DM001
Item	Description	Qty	Unit Price	Total	
EGT	The Green Revolution Energy Generator	15	\$975.00	\$14,625.00	
CBT	The Green Revolution Energy Grid	1	\$8,775.00	\$8,775.00	
	Required Wiring and Hardware	1	\$885.00	\$885.00	
	Display unit/hardware	1	\$2,500.00	\$2,500.00	
			SUB TOTAL	\$26,785.00	

Freight and Delivery	TBA
Installation	TBA
GST	\$1,339.25
PST	\$1,874.95
GRAND TOTAL	\$29,999.20

Purchasing Method

☐ Cash/bank check/money order

☐ Financing

☐ - MacroLease

☐ - Other _____ (please specify)

*Customer Responsible for applicable taxes

*Payment Schedule: International Order requires a 50% deposit with signed sales agreement (\$xx,xxx.xx); 25% due when shipped internationally (\$x,xxx.xx); balance due at installation

*Before Installation, Customer Facility must be configured within five feet of the proposed Grid-Tied Command Center Location

-One 30A, 120V Locking receptacle on a dedicated 30 amp circuit (nema L5-30R)

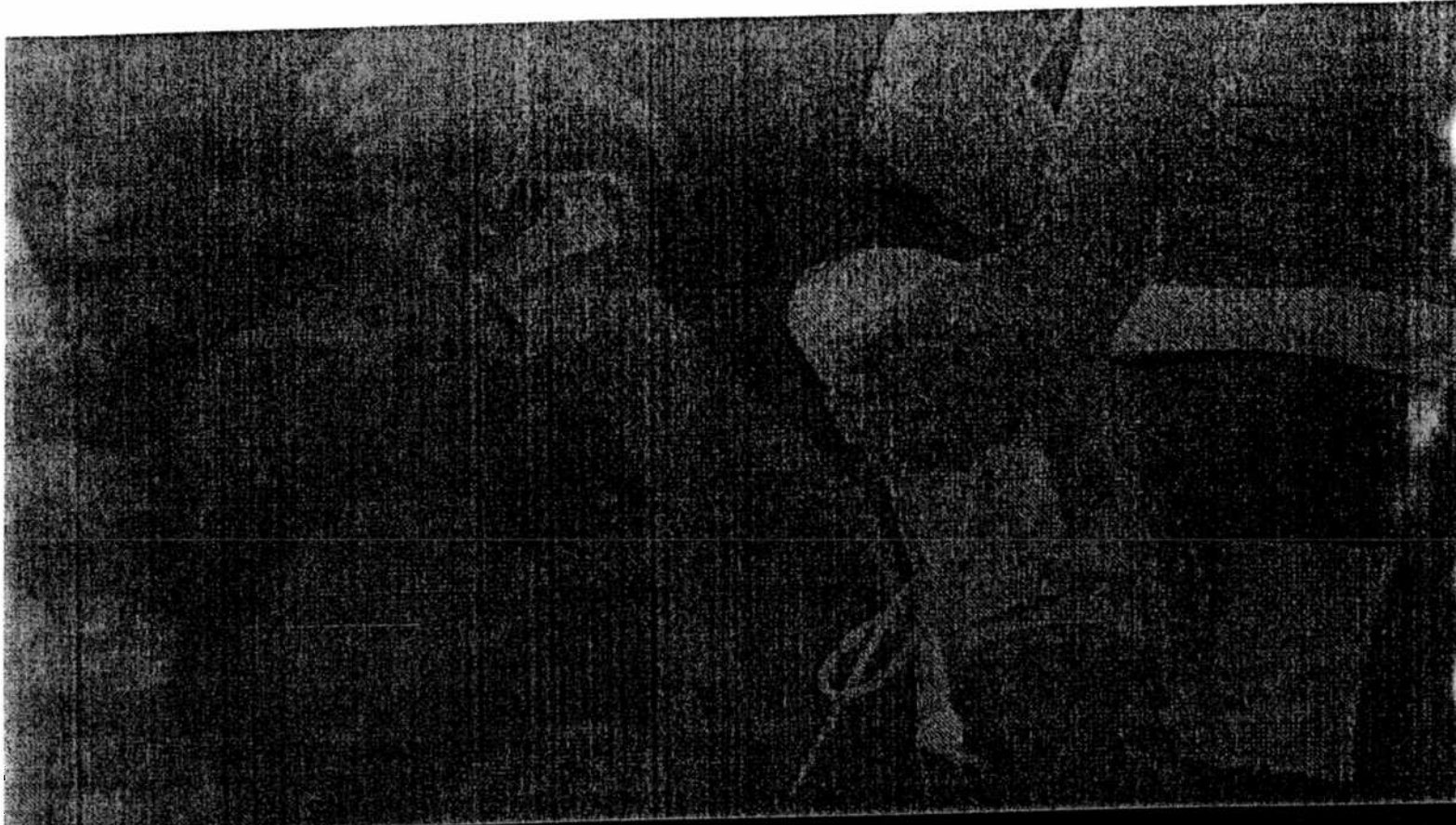
-One RJ45 data jack (connected at a router with access to the Internet)

*Estimate Subject to terms and conditions of the Sales Agreement

grow membership
with **greenpower**



THE GREEN REVOLUTION, INC.



THE GREEN REVOLUTION, INC.
www.egreenrevolution.com

join the revolution

Pedal power that creates electricity is creating quite a buzz in health and fitness clubs!

Thanks to our special patent-pending technology provided by **The Green Revolution™**, power generated from human exercise is helping to make the environment cleaner and greener while promoting a healthy lifestyle. This revolutionary program is the first of its kind on this scale to convert human energy from cycling workouts into clean and renewable energy.

What will joining the **The Green Revolution™** mean to your club?

When you join **The Green Revolution™**, you will differentiate your club from the competition with a powerful enticement that will be a magnet for members who care for the environment. Plus, you'll have an effective method to lower your energy consumption at a time when energy costs are escalating. It's a great way to enhance your public image, enjoy positive publicity and reduce your club's carbon footprint.




The "green" marketplace is one of the fastest growing, most dynamic sectors of the US economy.

6 GOOD REASONS to join **The Green Revolution™**

- 1 SET YOUR CLUB APART FROM OTHER FACILITIES
- 2 RETAIN EXISTING MEMBERS
- 3 ATTRACT NEW MEMBERS
- 4 PLAY A LEADING ROLE IN ADOPTING A "GREEN" PLATFORM
- 5 ENHANCE YOUR PUBLIC IMAGE
- 6 LOWER ENERGY COSTS



www.egreenrevolution.com



introducing **The Green Revolution**™

A Clean, Renewable Energy Alternative for Health Clubs & Fitness Centers

The Green Revolution™ has developed a new patent-pending technology that converts human power generated during aerobic activity into clean, renewable energy.

By harnessing the by-product of cardio fitness, we can help reduce our reliance on fossil fuels that create carbon gases. **The Green Revolution™** delivers a unique solution that improves the environment while promoting health through fitness.

Take the lead

Connect health and fitness with the creation of clean, renewable energy. It's easy and affordable to offer green initiatives in your health club. Address environmental issues while attracting new members and lowering energy costs.

What are we all about?

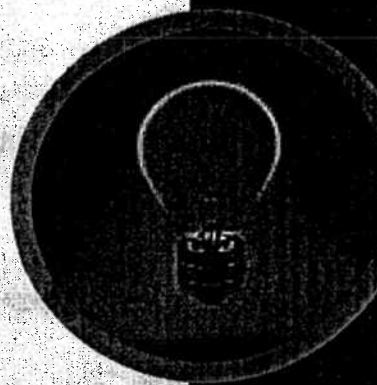
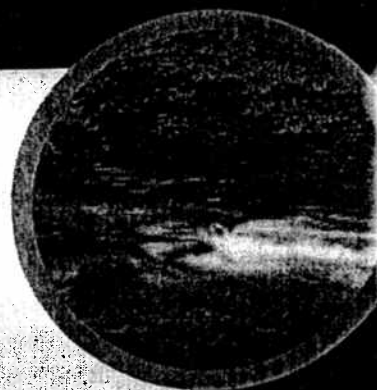
At **The Green Revolution™**, our mission is to involve people in the process of creating clean, renewable energy from everyday, human activity that will result in sustainable behavior change and lower energy costs.

We can all be part of the solution.

makeadifference



www.egreenrevolution.com



I can make a difference



How It All Began

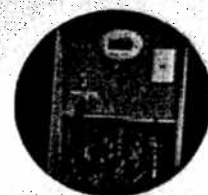
Growing up, I worked on a farm. I began to feel a strong connection with the land and a personal stewardship for the earth. As an adult, I wanted to reduce my footprint on the earth and contribute to a greener environment. While working out one day, I started to calculate the amount of energy expended at the gym. Stationary bikes create resistance and through this friction, heat is produced. The industrial engineer in me said, "What a waste! There's got to be a way to capture and use this energy."

Harnessing Energy From Exercise Equipment

I mentioned this idea to a friend in the energy industry who was equally enthusiastic and proceeded to design a prototype to capture energy from exercise equipment. We were off and running. We've now developed a product that captures energy produced by working out and converts it to 100% green power. We're pleased to be able to offer this technology to health clubs and fitness facilities for their own and their members' benefit.

If you're a health club owner, manager or fitness enthusiast, we hope you'll **join the revolution**.

A message from
The Green Revolution™
founder and CEO, Jay Whelan



How the Technology Works

Our product can be installed on all leading brands of indoor cycling equipment. The entire group cycling studio's indoor cycles are connected to the club's electrical grid through an inverter, so that human electricity can be used to power all aspects of the facility. A performance monitor is fitted to each bike's handlebar allowing the rider to control resistance level during a workout.

Harnessing electricity from your workout helps reduce carbon emissions and lowers the community's demand for fossil fuel-based energy. Any excess electricity generated from the club has the potential to return to the power grid for others in the community to use. Each group cycling participant will be able to control their individual renewable energy output through a resistance control panel attached to the cycle handlebar. The club will be able track the total energy that is produced through exercise on The Green Revolution™ web site: www.egreenrevolution.com



createusableenergy

www.egreenrevolution.com

energychart

A typical group cycling class with about 20 bikes has the potential to produce up to 3.6 megawatts (3,600,000 watts) of renewable energy a year. This is equivalent to the amount of power needed to light 72 homes for a month while also reducing carbon emissions by over 5,000 pounds.



WATTS

WHAT IT POWERS

CARBON IMPACT

A SINGLE WORKOUT

Average Person

100-130 watt hour (Wh)

4+compact fluorescents
for an hour

2 oz. of CO₂ reduced

Elite Athlete

Up to 300 watt hour (Wh)

2 laptop computers for
an hour

6 oz. of CO₂ reduced

GROUP CYCLING CLASS

Full Class

2.5 - 3 kilowatt hour (kWh)

100+compact fluorescent or
central air for an hour

4.5 lbs of CO₂ reduced

OVER A MONTH

300 kilowatt hour (kWh)

Light 6 homes for a month

420 lbs of CO₂ reduced

OVER A YEAR

3,600 kilowatt hour (kWh)

Light 72 homes for a month

5,000 lbs of CO₂ reduced

power from the people



www.egreenrevolution.com

greenispower

Study reveals Being Green is good for business

• An independent study of fitness enthusiasts demonstrated that The Green Revolution™ technology creates a competitive advantage for participating fitness businesses.

GREEN MATTERS: the majority of those surveyed considered themselves environmentally conscientious and looked favorably on health clubs having a green program.

WOW FACTOR: An overwhelming majority of those surveyed indicated they are excited by The Green Revolution™ technology.

INCREASED MEMBERSHIP: More than one third surveyed indicated they would be extremely or very likely to switch to a health club that offered this new technology if their current club did not.

IMPROVED RETENTION: Close to half of those surveyed indicated that a health club with a commitment to "green" programs would have a positive impact on their loyalty to the club.



"The Green Revolution™ technology is the WOW factor, exciting members, engaging people in the community and attracting [positive] media attention for my club"



• Source: Market Research Study by Bruno and Ridgway Research Associates Inc. conducted September 2008. Study demographics: 200 fitness enthusiasts working out in a health club more than once per week. Study area: Metro areas in NYC, Boston and Chicago. Study respondents: 60% female, 40% male; earning 50K+ per year.



www.egreenrevolution.com

join the green revolution

Contact The Green Revolution™

We welcome your feedback.

Toll Free: 888-757-7530 • Fax: 203-413-9530

Email: info@egreenrevolution.com

Visit us online at www.egreenrevolution.com

Mailing Address:

The Green Revolution, Inc.

54 Danbury Road, Suite 417

Ridgefield CT 06877

Contact us today for details.



THE GREEN REVOLUTION, INC.

The Green Revolution, Inc.

54 Danbury Road, Suite 417

Ridgefield, CT 06877

bulldog power

Produced and printed using renewable energy, non-toxic, vegetable based inks, processed chlorine free and elemental chlorine free. Using Bulldog Power, energy produced exclusively wind and low-impact water generation.

Printed on paper that is 100% recyclable with no harmful additives.

We are committed to reducing its environmental impact through the increased use of certified environmental processes and products.

The Green Revolution Inc™

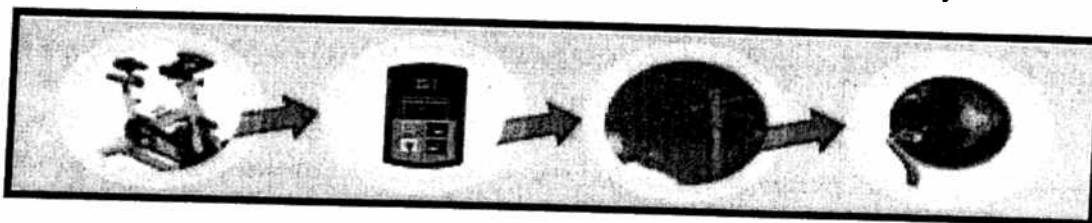


Company Profile

The mission of The Green Revolution Inc™ (TGR) is to involve people in the process of creating clean renewable energy from everyday, human activity that will result in sustainable behavior change and lower energy costs. The Green Revolution Inc has an innovative new patent-pending invention that converts human effort generated during aerobic activity into clean, renewable energy. By harnessing the byproduct of cardio fitness, we can help reduce greenhouse gases, and help to connect a Healthy Body with a Healthy Planet™. TGR uniquely delivers a solution that improves the environment while promoting health through fitness.

Technology

Our product can be installed on all leading brands of indoor cycling equipment. The entire group cycling studio's indoor cycles are connected to the club's electrical grid, so that fitness energy can be used to power all aspects of the facility.



A performance monitor is fitted to each bike's handlebar allowing the rider to control resistance level during a workout.

A typical cycling class with about 20 bikes has the potential to produce up to 3.6 megawatts of renewable energy a year. This is equivalent to the amount of power needed to light 72 homes for a month while also reducing carbon emissions by over 5,000 pounds. (same as 2 cars of the road for a full year)

Other Technologies

The Green Revolution Inc™ is currently working to incorporate this innovative technology on other forms of cardio fitness equipment. Harnessing electricity from your workout helps reduce carbon emissions and lowers the community's demand for fossil fuel-based energy. Any excess electricity generated from the club has the potential to return to the power grid for others in the community to use. Each group cycling participant will be able to control their individual renewable energy output through a resistance control panel attached to the cycle handlebar. The club will be able track the total energy that is produced on their own website

Contact The Green Revolution™

Toll Free: 888-757-7530 • Fax: 203-413-9530

Email: info@egreenrevolution.com

Visit us online at www.egreenrevolution.com

Installations

The Green Revolution launched its product line mid- 2009, after more than two years of development. One of our most prominent customers is Town Sports International (TSI). TSI owns the New York Sports Club brand (as well as BSC, PSC and WSC - for Boston, Philadelphia and Washington Sports Clubs, respectively). Over 150 locations in the Northeast. Since the successful NYC installation, we have installed at TSI's premier Washington Sports Club location, Washington Heights, and are currently planning an installation in the Boston Area.

Today, we are installed in more than 30 health clubs and expect to grow to 200 locations in 2011. Other Notable customers include Steve Nash Sports Clubs (NBA Star - Phoenix Suns), Kinetic Cycling in Brentwood, California - an exclusive high-end spinning studio to the Stars, Go Green Fitness in Orange, CT - our first "Carbon Neutral" club where members generate enough electricity to run their entire spinning studio. We have plans for several other health club installations this summer with Columbia Association in Maryland, Endorphin Power in New Mexico, Atlantic Health in New Jersey and many more.

Additionally, we have now branched out in new markets including the Education Sector with a recent installation in the New Fairfield School District in New Fairfield, CT and will be installed at one of the world's most prestigious universities in early July. We have also introduced our technology to Social/Recreation Centers with CASS community center in Detroit, MI and Internationally, we continue to grow in Canada, and are developing plans for a European launch later this year.

Canadian Market Place

The Steve Nash Club in Richmond, B.C. is the first international installation for The Green Revolution Inc. The response has been very exciting. As a result, we have expanded our organization to create a Canadian presence. Dave Johnson (davejohnson@egreerevolution.com) is a Canadian Sales Director (check title against your business card). The Canadian Fitness industry is very interested in this type of technology. "Maybe a quote from you here about the response you have seen, and the fact that you are closing new sales across the country...."

Investment Analysis

The Green Revolution Inc™ has proven to be an excellent value. Our customers have found the potential to generate an ROI across three dimensions: (1) Energy Savings from creation of clean useable electricity; (2) additional revenues from new exciting programs that involve group indoor cycling; (3) the media/marketing buzz that connects the club with the community. As a result of these 3 dimensions, The Green

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Email: info@egreenrevolution.com
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Revolution Inc [™] technology has a payback period of only 3 years.

Feedback from Fitness Enthusiasts

"The Fitness Enthusiast response to our technology has been overwhelming. People love the idea of taking their workouts to a higher purpose – improving the environment. Members are very motivated by the information they see when they workout, and what to create more electricity every time they are at the gym", says Mike Curnyn, Co-Founder and Chief Marketing Officer. "After we install at a new site, there are usually standing ovations from the members after cycling classes. They love the electronic bikes. They love to have the electronic interface, they love the feel of our technology on the bike and love the impact it is having on the environment. We received thousands of inquiries from Fitness Enthusiasts wanting to know where they can find our technology"

Contact The Green Revolution[™]

Toll Free: **888-757-7530** • Fax: 203-413-9530

Email: info@egreenrevolution.com

Visit us online at www.egreenrevolution.com



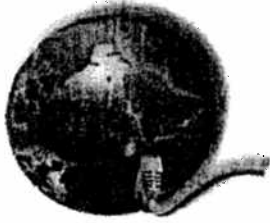
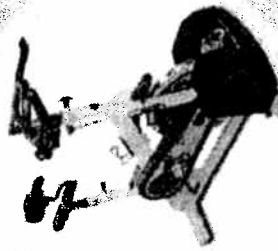
THE GREEN REVOLUTION, INC.

Discussion Overview

- Technology Overview
- Pre-Installation
 - Site Survey
 - Electrical Setup
 - In-Club Promotion
- Going Live
 - Training Instructors
 - P.R. /Media
 - In-Club Monitor



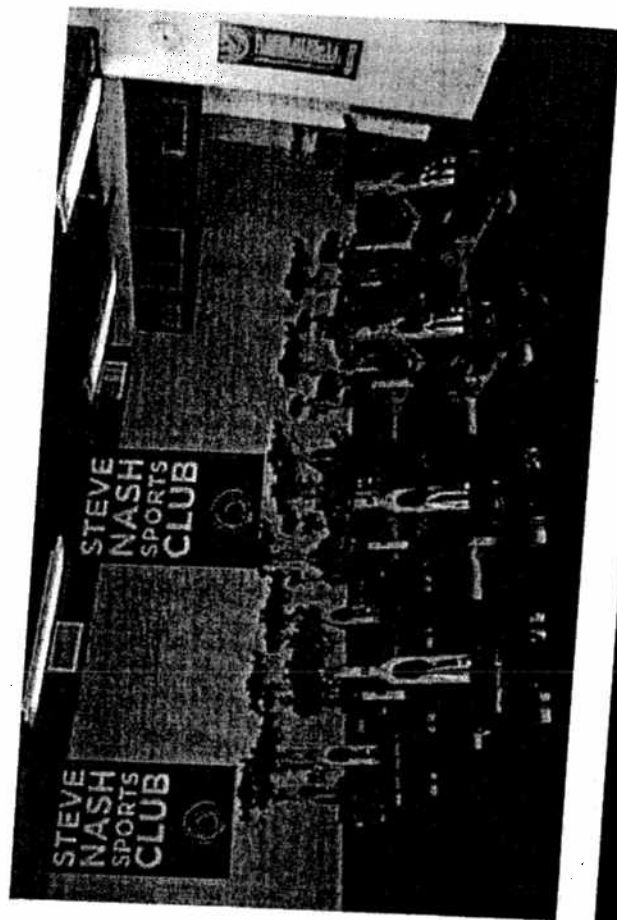
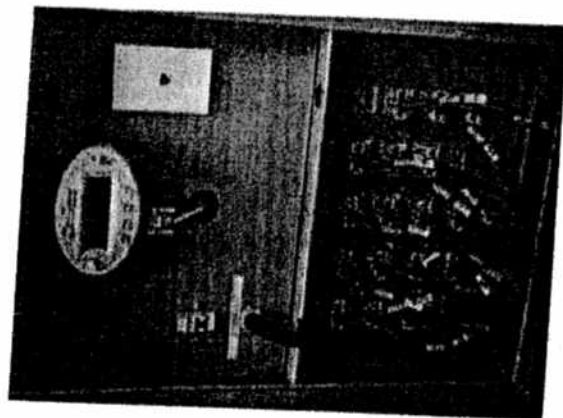
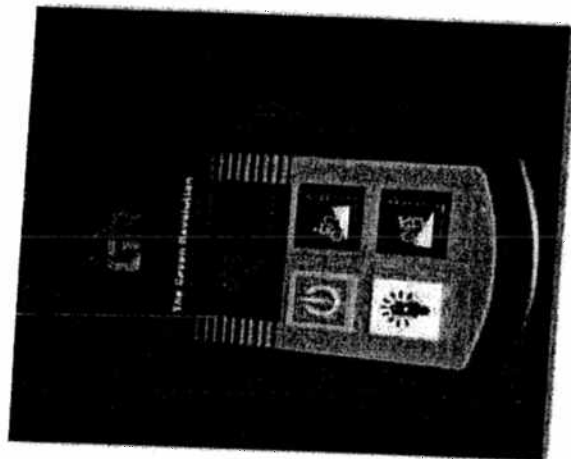
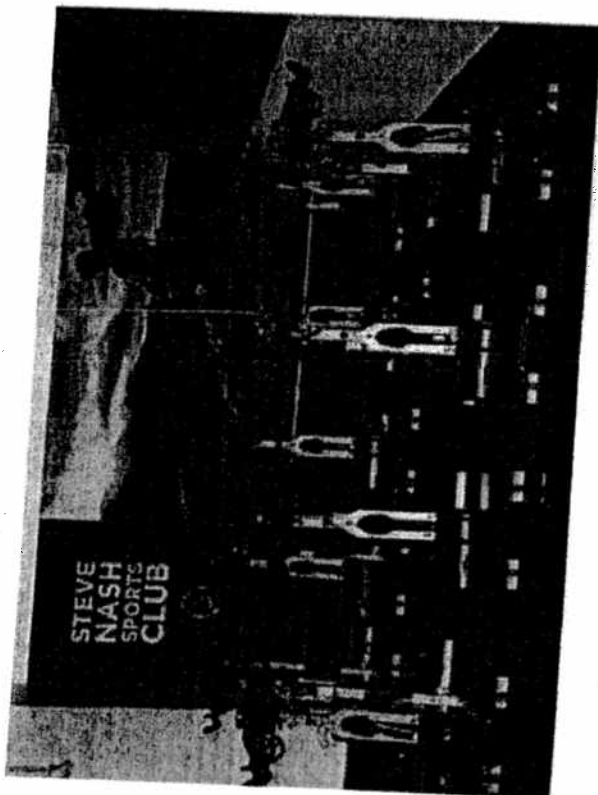
The Green Revolution Concept



- Designed to fit all indoor cycling brands
- No need to purchase new equipment
- People generate the power
- The rider controlled resistance level
- View the energy created on each cycle
- Energy used within the facility
- Reduces carbon foot print
- No green house gases
- Excess energy could be put back on the grid
- Total Facility Energy created tracked on your website.



Technology Overview



Pre-Installation

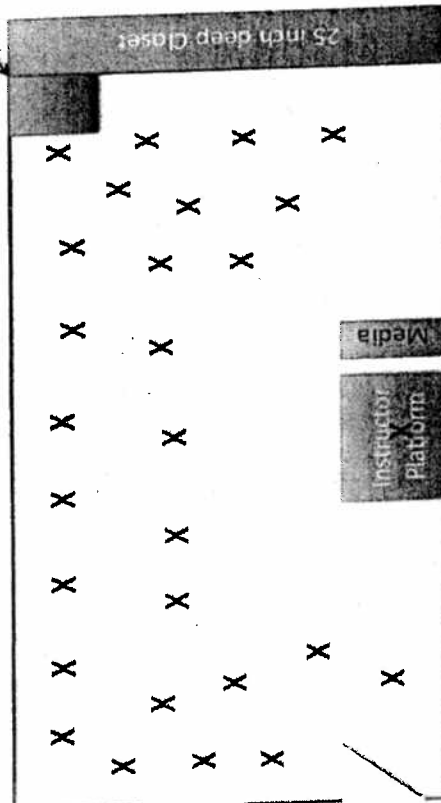
We plan the details with you to be sure you understand all key considerations before proceeding...

Site Survey

Proposed location of cabinet

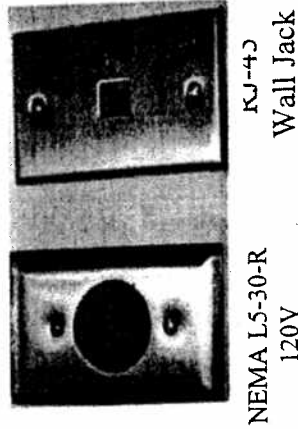
37 Feet

28 Feet



- Initial Layout Complete
- Location of Cabinet Identified
- Need to get measurements from bike to cabinet
- Review the class schedule to select the best time for installation

Electrical Setup



* The following needs to be located within 5 Feet of the Grid-Tied Command Center

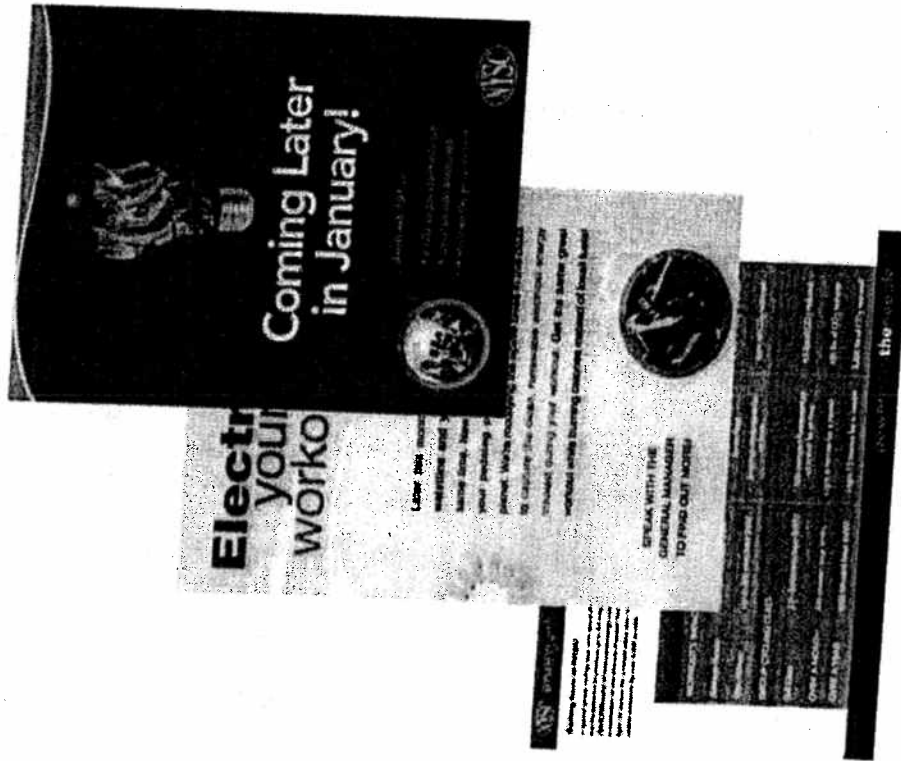
- Standard Components
- Electrical Spec can be provided

Our pre-planning work has allowed some of our installations to be completed without missing a class...



In-Club Promotion

As part of the Pre-Installation process, we have several in-club promotional opportunities for you to consider...



- Begin to excite your members about what is coming
- A Library of content to choose from
- Customized with your branding
- A demonstration bike with interactive display



Instructor Training

As part of the Pre-Installation process, we have several in-club promotional opportunities for you to consider...

HealthybodyHealthyPlanet™

Coaching Guide
You have more performance feedback (e.g., resistance level, energy produced) than any other bike in the market. This is a great opportunity to help your riders get the most out of their workout.

HealthybodyHealthyPlanet™

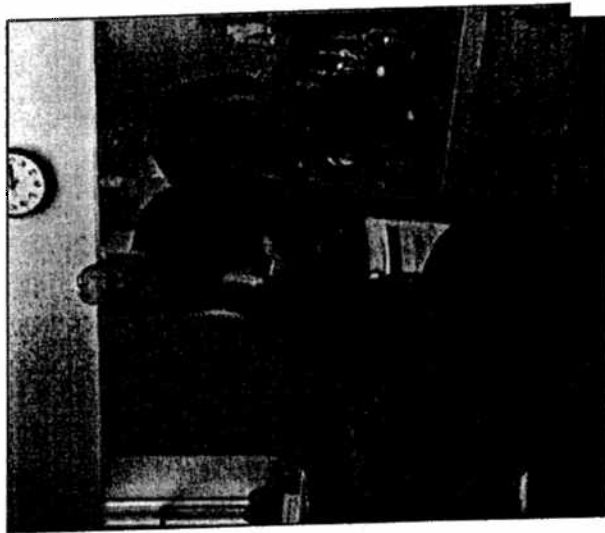
TIPS

When you adjust the resistance level, the Display Panel will show you your resistance level and energy generated.

To restart your workout, hold down the start button for 2 seconds to reset the energy generator.

Sweat Equity: The higher the RPM and/or resistance, the more calories burned and electricity generated.

- Training Guides
- Online Training Videos (Youtube)
- In-Person Training Classes



We can provide signage and information for your club that can inform members about the impact they are making through exercise.



P.R. Media Opportunities

We can support you with P.R. Media Opportunities. Our P.R. service will work with you to engage with the Media and conduct media events at your club



LOCAL Attention

- The Ridgefield Press "Pedal power generates electricity"
- The Wilton Villager "Local Health Club finds new way to create energy"
- The Hartford Courant "Ridgefield Gym, Power From The People"
- The Danbury News-Times "Ridgefield fitness club goes green: exercise equipment generates electricity"
- Eyewitness News 3, WFSB (Hartford, Connecticut)
- Patrons Supply Gym Power With Workouts"

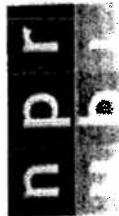


WILTON
VILLAGER

Hartford Courant

NATIONAL Attention

- The New York Times "How Powerful Is Your Workout?"
- CBS News 2 (New York) Conn. Gym Uses 'People Power' To Energize Building
- NPR News, WSHU Public Radio, "Pedaling feet become a renewable energy source"



The New York Times



Ridgefield
Fitness
Club LLC

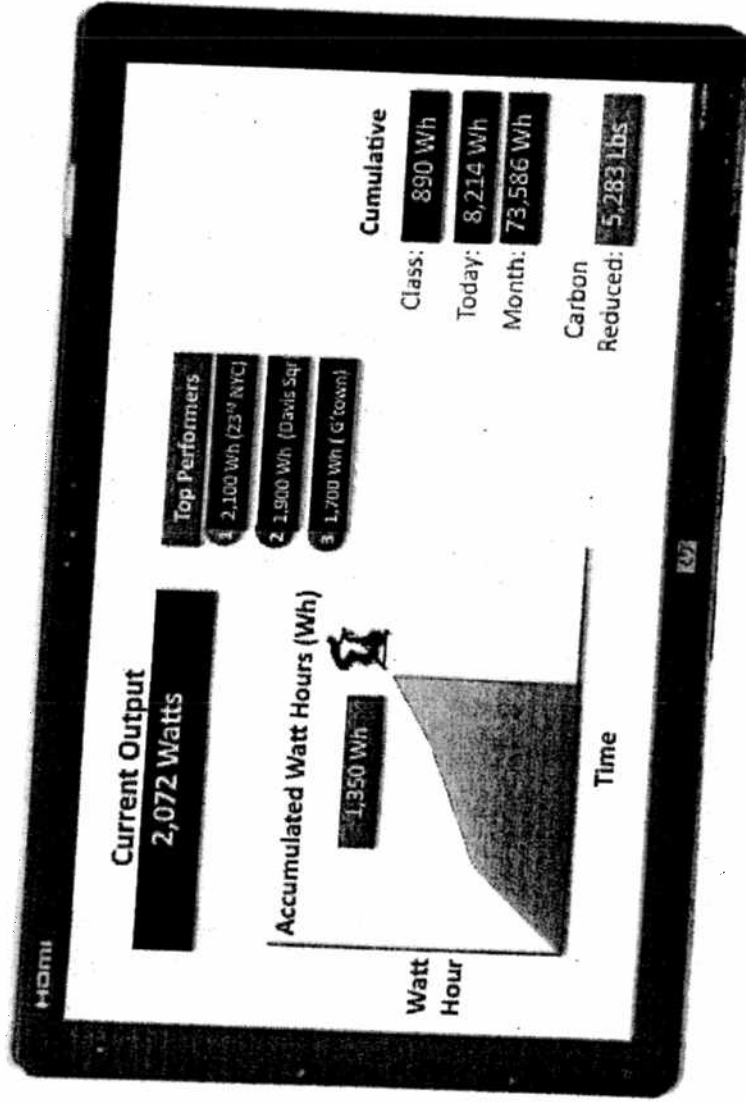
Jim Johnston,
Owner of the Ridgefield Fitness Club

"The Green Revolution's technology is the Wow Factor, exciting members, engaging people in the Community and attracting Media Attention for my club..."



Engaging Members

We have developed a customizable in-class display that engages members in a fun and exciting way that encourages the group to reach new levels.



- Each Class can visually see their output

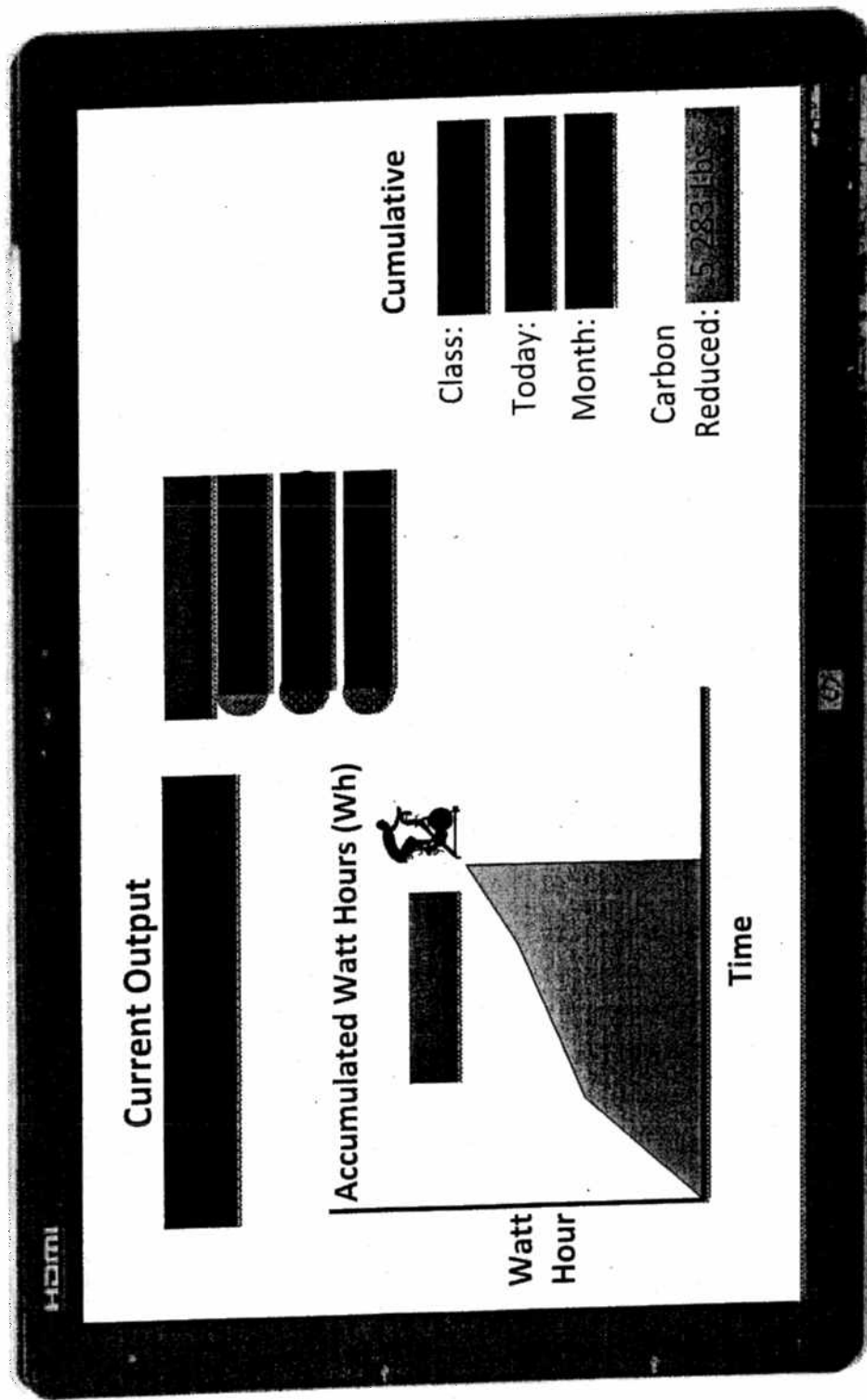
- Friendly competition between classes within the club

- Allows for club-2-club sharing and competition



Engaging Members

We have developed an in-club display that engages members in a fun and exciting way that encourages the group to reach new levels.



TIDY TEAMMATES

OPERATIONS

SEP 15 2010

RECEIVED



STAFF PHOTO/SJOERD WITTEVEEN

Emily Liu (left) and Melanie Soltau are excited to help clean up James Robinson Public School grounds and actually find a piece of debris during Earth Day at the school on Thursday. School children across Markham took part in Earth Day activities.

Application Form

For Office Use Only - Project No.:

Group Information

Name	James Robinson Public School Green Team		
Address	10 Robinson St Markham L3P 1N9		
Phone	905-294-3484	Fax	905-294-4626
Email		Website Address	www.jamesrobinson.ca
Charitable/Non Profit Organization registration # (if applicable)	Our Group has a bank account in the name of our organization Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
Yes Available from Bd office			

Briefly describe what your group does:

James Robinson Public School is a small, (200 students) 50+ year old school located in the old Town of Markham near highways 7 and 48. It was formally certified as a gold Eco School in 2008 and has a committed, 8-12 member Green Team whose focus has been teaching about recycling, collecting "blue bin" materials and monitoring contamination rates. To date, they have created a 3D recycling hall display, mounted posters in each room, (appendix #1) and introduced the concept of boomerang lunches to the school community. Each year, students formally teach classes about proper recycling and monitor contamination rates with regular inspections and tickets. Classes that are ticketed must better sort their blue box contents.

Projects Contacts

Name	Jim Spiers	Name	Jeanette McEllen
Title	Principal	Title	Teacher
Phone (work)	905-294-3484	Phone (work)	905-294-3484 x118
Phone (home)	n/a	Phone (home)	905-475-0878
Email	jim.spiers@yrdsb.edu.on.ca	Email	jeanette.mcelleen@yrdsb.edu.on.ca

Project Summary

Title	Zero Waste		
Location of Project	James Robinson Public School		
Name of Registered Owner of the Lands	Y.R.D.S.B.		
Address of Registered Owner of the Lands	60 Wellington St. Aurora		
Contact Name for Registered Owner of the Lands	Robert Selvazzo - Plant Services		
Phone # Registered Owner of the Lands	905-727-0022	Duration (months, maximum 12 months)	
Request for	Spring Funding <input type="checkbox"/>	Fall Funding <input checked="" type="checkbox"/>	Either <input type="checkbox"/>
Start Date of Project	ASAP	End Date	Ongoing

Please describe which of the following objectives your project meets.

James Robinson Public School is ready to improve their recycling practices with curb side "Green Bin" (organics) pick up. Reducing the amount of unnecessary waste going into landfill sites will have widespread and lasting benefits to the community. James Robinson Public School was featured in the local paper last April for their litter pick up efforts on Earth Day and would welcome the Town to showcase their Zero Waste Project on websites and in publications. The project will teach recycling techniques at school that match home expectations. Once colour coded, uniform recycling centres are set up in the school, recycling routines are established by staff and students, and parents are educated, proper organic waste practices will be sustainable. Finally, the Zero Waste project will directly support the Town of Markham's environmental policies and strategic plan to reduce waste and become a provincial leader in the "green" movement.

Please provide a detailed description of your project in the following space.

The purpose of the project is to dramatically reduce the amount of materials going to landfill sites by adding organic waste to the school's recycling practices. Please note that James Robinson Public School is in the unique position of having 9+ special needs students who require diapers. With the 'green bin' pick up, the school would have a significant reduction in waste along these lines. The James Robinson Green Team is made up of 8-12, grades 7 and 8 students who provide recycling leadership to the school community. Support for the project also comes from the school's Parent Council and staff group. This kind of a project requires all stakeholders to be actively committed. Currently, students take "blue bin" recycling out to the dumpster twice a week and "boomerang lunches" are encouraged. Students also monitor contamination rates with a ticket system. The plan would be for Caretakers to pick up organic waste each afternoon for storage in an animal and odour proof receptacle outside until the curb pick up day. Students would continue to transport "blue bin" materials to the dumpster outside.

Success will be measured by:

1. The waste diversion rate will be established prior to the project through a random garbage audit. This rate will be compared to a similar audit performed one year later. The audits will be run in collaboration with staff, students and Town personnel.
2. The reduction of garbage dumpster "tips" per month.

As a minimum, M.E.S.F. will be promoted through the monthly newsletter home and by word of mouth through Staff, Parents Council and Board meetings. The school welcomes any signage or stickers the Town would provide and would display them in a central location.

Finally, Y.R.D.S.B. will supply a series of educational new posters for display in each room. The school has purchased a few small black garbage cans for some rooms. Building wide, consistency of receptacles is important to ensure success. See appendix #2. Parent Council will also contribute funds for washable coverings for the recycling posters.

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	\$5,000.00	Amount requested from the MESF	\$5,000.00
Amount from other sources Parent + Council	\$200.00	In-Kind support hours	600

BUDGET FORM – HUMAN RESOURCES (Volunteers)

[illegible]

BUDGET FORM

Materials, Supplies and Equipment (e.g. Native seedlings)	Cost			MESF	Other
	# of units	Unit Cost \$	Total Cost \$		
Classroom size green bins	500	1.00	500.00	200.00	300.00
blue boxes	38	18.00	684.00	684.00	0
large green bin on a cart	38	8.00	304.00	304.00	0
black garbage bins with lids	3	69.00	207.00	207.00	0
1 large concrete bunker for outside storage (Bd policy to be cement)	35	25.59	895.65	895.65	0
clear covering for posters	1	2910.00	2910.00	2910.00	0
YRDSB Recycling posters				0	200.00 (From Parent Council)
Other Expenses (e.g. Printing Brochures)	100	0.50	50.00	25.00	25.00
Total			5000.00		

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, 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.

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.
8. to permit the Town of Markham to claim ownership of greenhouse gas emission reductions, which resulted from the project.

Signature



Title

Principal

Printed Name

Jim Spiers

Date

Sept 15/10

(James Robinson School is a New Applicant.)

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

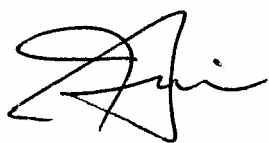
Attention: Mavis Urquart
Manager, Environmental Leadership

Re: Consent for Application for ~~E. M. S. F.~~ Funding
James Robinson Public School

The registered owner of the lands at James Robinson Public School is the York region District School Board (Y.D.R. S. B).

The York Region District School Board consents to the application by James Robinson Public School for funds from the Markham Environmental Sustainability Fund (M.E.S.F.). In this capacity, the Y.R.D.S.B. acknowledges that the proposed project complies with all Board applicable policies and requirements. Jim Spiers, Principal of James Robinson Public school, as the "Applicant for M.E.S.F." has the authority to give consent for the project.

Respectfully Submitted,



Sept 15/10

Mr. Jim Spiers
Principal
James Robinson Public School

Appendix #1

in the blue box

Remember to
look for the sign



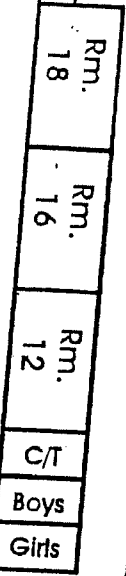
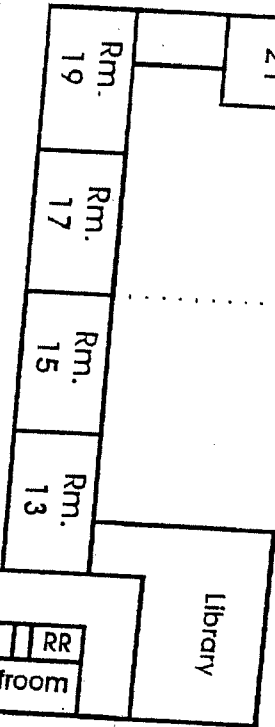
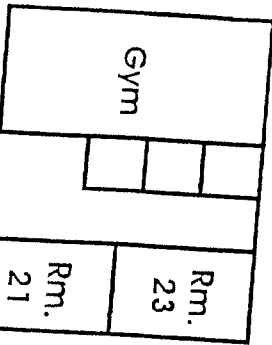
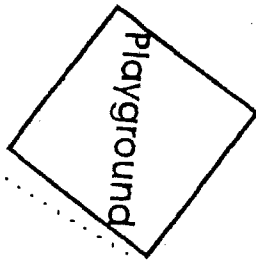
nor in the
blue box



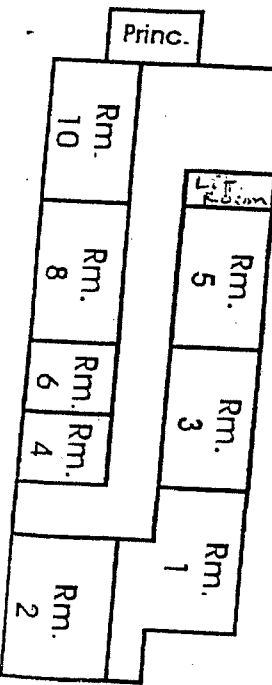
Intermediate Yard

Junior Yard

Primary Yard



James Robinson Public School



*Outside
recycling
centres
also needed



For Office Use Only - Project No.:

APPLICATION FORM**PROJECT MANAGER**

Name & Position	Victoria McGrath, Director		
Department	Sustainability Office		
Phone	X7516		
Fax			
Email	vmcgrath@markham.ca	Website Address	www.markham.ca/sustainability

PROJECT'S CONTACTS

Name	Katie Burns	Name	Lynne Koss
Dept.	Sustainability Coordinator, Sustainability Office	Dept.	Seeds of Change, Executive Director
Phone	X5283	Phone	905 597-3316
Email	kburns@markham.ca	Email	lynnekoss@rogers.com

PROJECT SUMMARY

Title	Seeds of Change		
Location of Project (if applicable)	Baythorn Public School and Stately Way, York Condominium Corporation No. 34		
Duration (months, maximum 12 months)	12		
Request for:	Spring Funding	<input type="checkbox"/>	Fall Funding <input checked="" type="checkbox"/> Either <input type="checkbox"/>
Start Date of Project	Fall 2010	End Date	Fall 2011

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.

Please see end of application.

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

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

Please see end of application.

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	11,421	Amount requested from the MESF	4,932
Amount from other sources	6,489	In- Kind support hours	4,204

BUDGET FORM – HUMAN RESOURCES (Volunteers)

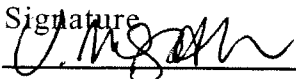
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BUDGET FORM

Materials, Supplies and Equipment	Cost			MESF	SO - CGSF	Other
	# of units	Unit Cost \$	Total Cost \$			
(e.g. Light bulbs)	500	1.00	500.00	200.00		300.00
Building Materials: Raised Beds & 1 Pizza Garden						
Cedar Planks, Posts, Galvanized Nails, Screws,	4 Beds	550.00	2,200.00		2,200.00	
Hammers, Plastic Liner, Netting, 1 ton gravel per site						
Garden Tools	2 Gardens	700.00	1,400.00		1,000.00	400.00
Soil & Compost	2	450.00	900.00		720.00	180.00
Arbour, trellises, bamboo stakes	"	575.00	575.00		460.00	115.00
Indoor Composter (to achieve zero waste at school)	1 Garden	700.00	700.00	700.00		
Organic vegetable & flower seeds	3	100.00	300.00		100.00	200.00
Seedlings, grow trays	3	150.00	450.00		225.00	225.00
Rain Barrels	4	80.00	320.00		220.00	64.00
Season Extenders – Collapsible Cold Frames	4	95.00	380.00	380.00		
Landscape Fabric for Weed Blocking	5	35.00	175.00		145.00	35.00
Outdoor education/ workshop area (Seating – Rock/logs, Bench)		700.00	700.00	600.00		100.00
Signage for labeling plants, garden signs, logo sponsors		500.00	500.00	400.00		100.00
First Aid Kits	2	26.00	52.00	52.00		
Honorariums for Workshop Leaders/Guest Speakers	8 4 ea. project	100.00	800.00	800.00		
Other Expenses						
(e.g. Printing Brochures)	100	0.50	50.00	25.00		25.00
Printing – Flyers, "How To" Brochure, Manual			2,000.00	2,000.00		
Total				4,932	5,070	1,419.00

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 type="checkbox"/>	Other <input type="checkbox"/>
<p>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.</p>			

DEPARTMENT HEAD'S AUTHORIZATION

Signature  Title Director, Sustainability Office

Printed Name Victoria McGrath Date Sept 17/10

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

MESF Objectives:

Seeds of Change (SOC) is a grass-roots community organization that is planning to develop a Pilot Project of a school garden and a community garden at a condominium in Markham in the Spring of 2011. The two Seeds of Change gardens meet the MESF objectives by:

1. Providing demonstrable environmental benefits for the community:
 - The gardens will be grown using organic methods and no chemical fertilizers or pesticides will be applied
 - Water conservation techniques will be practiced, including mulching to retain soil moisture and the collection of rain water with on-site rain barrels
 - The gardens will be Zero Waste. In particular, the school garden will include an indoor composter, which will make on-site composting possible in a schoolyard environment
 - The gardens will be a source of local nutritional food, which will have a significantly smaller carbon footprint and foster awareness about the importance of local food production
 - The gardens will be a source of habitat, insect biodiversity and pollinator species will be encouraged to the extent possible.
 - In addition to the environmental benefits, school and community gardens have the additional benefits of nurturing enhanced academic achievement, healthier lifestyles, creating cross-cultural and intergenerational relationships, building a sense of community and place, and social development.
2. A leading environmental innovation that can be showcased:
 - The school garden will be the first in the York Region's District School Board that will grow food and integrate the relationship between growing food and the environment into lesson plans. Additional funding is being sought to hire a part-time garden coordinator to organize summer programming and oversee the garden to keep it maintained and help prevent vandalism.
 - The condominium garden will be an example of how existing higher density properties can include more sustainable landscaping, that encourages environmental awareness and community building
3. Promotes education, understanding and participation in environmental sustainability:
 - Students and residents will have access to garden-based learning and experiential education. Every school and condominium exists within an ecosystem and a watershed. School and community gardens provide opportunities to interact with these systems first hand while tending the garden, instilling a strong environmental stewardship ethic.
 - There will be wider community education as a result of these two gardens as a result of the associated education and awareness component. In particular, other schools and condominiums will be targeted with information about the benefits of school and community gardens, invitations to visit the demonstration sites and attend workshops, and offering the "how-to" manual and yearly maintenance plans as resources.
4. Supports the Town's environmental policies and strategic plan:

- Building Markham's Future Together (BMFT) covers community gardens in Environmental Action Plan 5, which includes local food promotion and security. The milestones set in BMFT include increasing the number of community gardens and distributing them throughout the Town.
- School and community gardens are also part of the Implementation Strategy for the Draft Greenprint Sustainability Plan, in Goal 7 (Create and Support a Local Food System) Objective 2.4.2 (Significantly increase community food-producing opportunities).

Purpose for the project

SOC's vision is to contribute to the sustainability of suburban communities in York Region by giving students and community members opportunities to cultivate a sense of connection, care and appreciation for the environment, ultimately with York Region becoming a model of suburban sustainability. By providing skills to plant, grow, prepare, harvest and share locally grown nutritional food, we hope to improve our individual and communities' overall health and well-being, whilst reconnecting to nature and with each other.

The Seeds of Change Pilot Project is initiating two gardens in Markham in the Spring of 2011. The Sustainability Office has budgeted for a Community Garden Start-up Fund, which will provide a one-time investment of approximately \$2,500 per garden in Markham (\$5,000 total). It will cover the materials and tools for the two gardens in Markham (see budget).

The scope of the two proposed SOC gardens extends beyond the physical start-up materials that the Community Garden Start-up Fund will cover. SOC aims to create two educational venues that will serve as demonstration models for the community. One will be a school garden that can offer tours and workshops for parents, teachers and school administrators interested in starting similar projects, and the other, a condominium garden that can illustrate to other residents and condominium boards how a community garden can be integrated into higher density and established communities.

SOC will produce promotional materials to be distributed to schools and condominiums in Markham to create awareness of the environmental sustainability benefits of school and community gardens and offer the expertise that has been gained through these two initial projects. A detailed "how-to" manual will be prepared to cover the step-by-step process of starting and maintaining school and community gardens. Other existing community gardens in Markham, including the Legacy Community Garden and the York Region Food Network's Community Garden, will be consulted during the preparation of these guides. An educational resource will be prepared to assist teachers with using a school garden to meet the Ontario curriculum, including lesson plans, activities, and a guide to existing resources.

Description of the Project Team

The Seeds of Change group is in its initial year of operation and has established a partnership with the Markham Environmental Sustainability Office. The group is based in Thornhill and has the objective of using school and community gardens to make communities in York Region more sustainable. Other organizations represented on the

Steering Committee include Evergreen, Boys and Girls Club and York Region Environmental Alliance.

Baythorn Public School already has EcoSchool status and has committed to becoming the demonstration model. The school garden will include teachers and students in every grade (approx. 550 students), parents, and community members. There is already a core group of volunteers to shepherd the garden through the initial planning and fundraising stages.

Stately Way, York Condominium Corporation No. 34, is a townhouse condominium development of 58 homes with residents from China (Cantonese and Mandarin), Iran, Iraq, Jamaica, Kenya, Pakistan, Russia, Romania and Ukraine. Adults and children will participate in the design, planting and installation of the garden with a children's committee contributing to the project.

Relish Culinary Tours will coordinate chefs' participation in teaching participants' preparation and cooking.

What will your project accomplish? (include workplan with timelines)

Spring - Summer 2010 – Concept established and refined, initiation of the Seeds of Change Steering Committee, secured access to school and condominium properties, support from local Councillors and research into similar programs in other jurisdictions

Fall 2010 – Further development of plans and objectives, preparing preliminary budget, researching and completing funding applications, raised beds to be installed with cover crops

Winter 2010/11 – Prepare a detailed budget based on funding received, preparation of a detailed site plan, outreach to the community to recruit more volunteers, and arrange guest speaker schedule.

February/March 2011 – Seeds will be started indoors, arrangement for tools, set up workshop schedule, confirmation of site preparation, and secure part-time staff to be garden coordinators during the first year.

April/May/June 2011 – Hold orientation meetings with gardeners and teachers to explain the schedule, determine available skills, undergo site preparation, plant cool season crops in April using cold frames (especially important for the school garden to ensure produce is available before summer holidays), have an official opening of the gardens, ensure the water system (rain barrels) are in place, hold sessions for schools and condominiums to visit demonstration gardens, develop strategy and recruit volunteers to maintain the school garden during July and August, and record the activities that take place for the "how-to" manual. Organization of local chef program for Fall.

July/August 2011 – Maintain gardens, plant succession crops to ensure the school garden will have abundant produce in the fall.

September/October 2011 – Hold harvest events as first school fundraiser (with local farmer's market), plant exchange and to celebrate successes at both gardens, plant fall bulbs (like garlic), clean/repair/store tools, clean the site, and compost spent plant materials. Donation of produce to local food banks. Implement chefs' program.

November/December 2011 – Project evaluation, compilation of records and research into "how-to" manual, and prepare reports to funding agencies.

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

During the establishment of the two gardens, Garden Steering Committees will be formed. For the school garden it will include parents, teachers, administrators, and community members. For the condominium garden it will include residents (including representation from the condominium board) and neighbours. These Garden Steering Committees will oversee the day-to-day matters at each garden. Additionally, SOC will provide on-going support to the gardens on an as-needed basis. The long-term goal is to incubate these gardens so that they are able to function autonomously (with funds from local corporate businesses and creative on-going fundraising ideas such as calendars with recipes, selling herbal teas, seedlings, etc.) after the first year so that Seeds of Change can devote more of their resources to starting other new gardens.

What are the measurable benefits of this Project?

The school and community gardens and the Seeds of Change promotional and educational campaign will:

- **Create two new gardens in Thornhill**
- Provide a roadmap for starting new gardens, with an expertise in starting school gardens and community gardens on condominium properties
- Attendance growth at educational and volunteer garden workshops
- Increased number of classes and children that engage with their environment through hands-on and experiential learning
- Feedback from teachers on students' behavioural changes i.e. attention span, class disruption, mood changes and school violence
- Organically grown produce, available to students, residents, and food bank donations
- Media interest and coverage
- Growth of partners and sponsors
- Increased number of requests from schools, groups/organizations seeking community gardens.

How will you promote the MESF fund with this project?

The MESF fund will be recognized on all printed materials for promotion, resources, and the manual. We will utilize popular social networking tools like Facebook, Twitter, LinkedIn to promote workshops, events and opportunities to interested parties acknowledging funders. The fund will also be recognized on the signage of the gardens. Media will be invited to all events. Promotion of the gardens and SOC will also occur at Sustainability Office engagement events associated with the Greenprint Sustainability Plan.

Describe other funding sources/in kind support

Funding applications are underway for this project that include: Carrot Cache, Shell Environmental Fund, and Earth Day Community Fund.

We have in-kind support from Garden Import Inc. (\$350.00) and 20% purchases from Sheridan Nurseries.

The majority of this additional funding will go towards part-time staffing at the gardens, which will be especially important at the school garden over the summer months, the development of a resource website, and to complete the necessary work for the manual's content.

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

Both gardens will be built with good quality, lasting infrastructure (proper fencing, tools and signage) that will ensure they continue beyond one year. The first year of a new garden is the most costly, and therefore fewer economic resources will be required to continue the gardens in subsequent years. Seeds of Change will be seeking charitable status in the future.

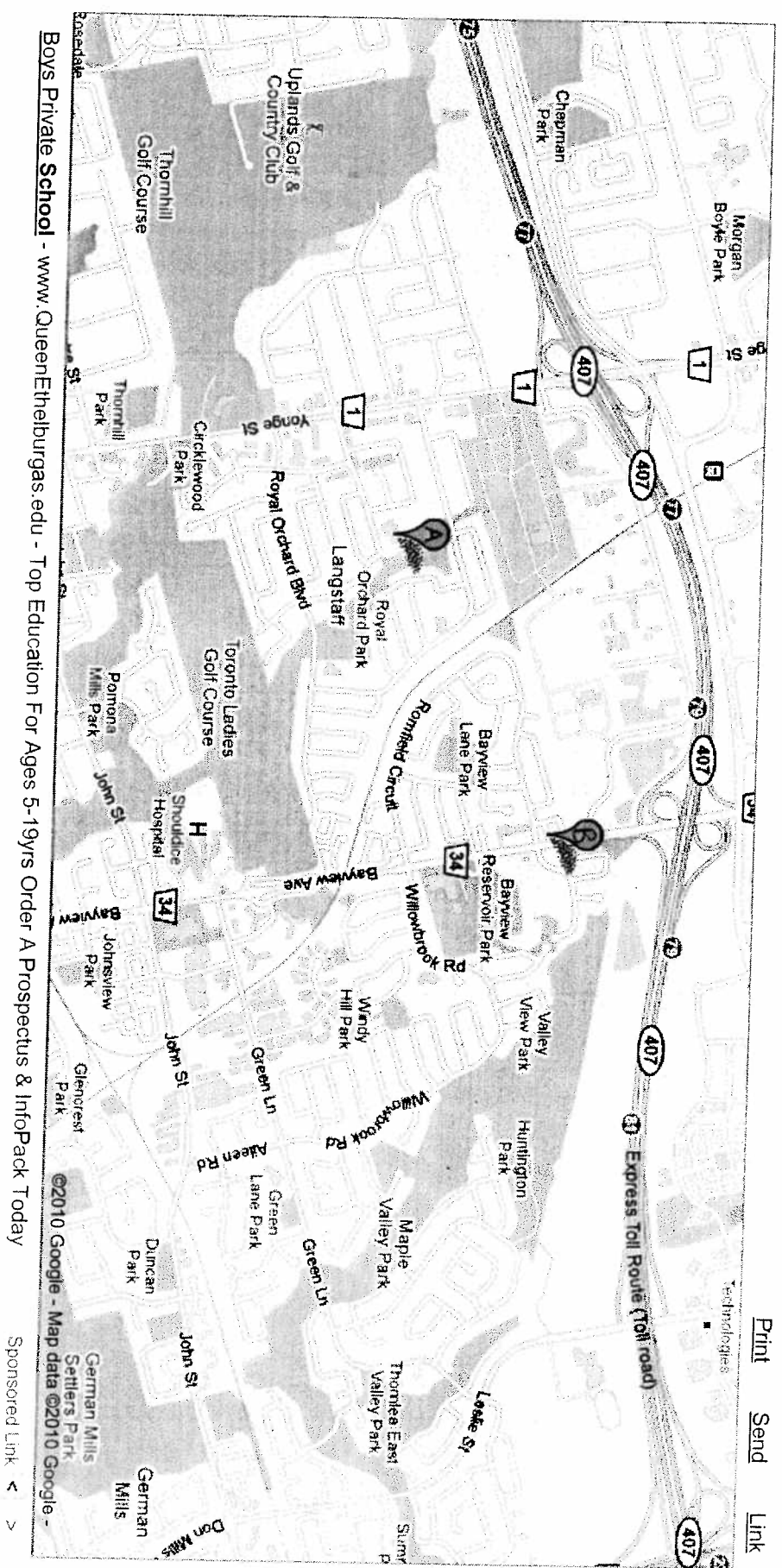
The resources that are prepared, particularly the brochures and manual, will be resources that can be utilized along with the newly learned critical life skills as participants share them with their family and friends in future years to encourage participation in these gardens and foster the start of new ones. Online curriculum templates and relevant information will be available as teachers' resources.

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

Yes, both gardens will have signage that will include the name of the garden, rules of conduct, how to participate, and recognition of funding organizations.

Google maps Baythorn Public School 201
Canada BAYTHORN DR, near Markham, ON
L3T 3V2

To see all the details that are visible on the screen, use the "Print" link next to the map



Print Send Link

Boys Private School - www.QueenEthelburgas.edu - Top Education For Ages 5-19yrs Order A Prospectus & InfoPack Today

- A - Baythorn Public School
- B - York Condominium Corp. No. 34

Canada

To see all the details that are visible on the screen, use the "Print" link next to the map.

An aerial photograph of a residential neighborhood in Baytown, Texas. The map shows a grid of streets including Norman Dr, Chas P, Baytown Dr, and Baytown Public School. A red pin is placed on the school building. Other visible streets include Tommy Brax Dr and Baytown Dr. The area is densely populated with houses and trees.

Sponsored Link

To see all the details that are visible on the screen, use the "Print" link next to the map.

Sponsored Link >

York Condominium Corporation No. 34
2 – 75 Stately Way, Thornhill

July 8th, 2010

Ms. Lynne Koss
Executive Director
Seeds of Change

Dear Lynne:

As members of the Board, YCC #34, we are writing to confirm that we are excited to participate in the pilot project of "Seeds of Change" as one of the first condo development gardens in York Region. We want to underscore the importance of nutrition and wellness for our owners/residents, make individual and communal life better by interaction, sharing and working together.

We will allot a minimum of 200 sq. ft. with access to a water source. Small – but mighty!

We look forward to working together.

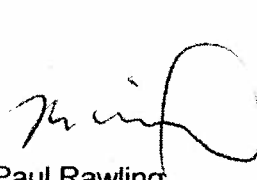
Sincerely,



Pat Campbell



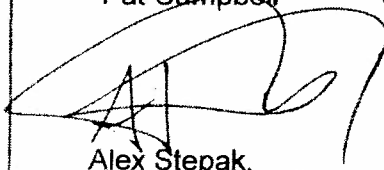
Joseph Litschitz



Paul Rawling



Ken Smith



Alex Stepak,
Property Manager
Stately Way

June 28th, 2010

Ms. Lynne Koss
Executive Director
Seeds of Change
2 Stately Way
Thornhill, ON
L3T 3Z8

Dear Lynne:

As Principal of Baythorn P.S., I am writing to confirm that we are excited to participate in the pilot project of "Seeds of Change" as one of the first schools in York Region to underscore the importance of nutrition and wellness for our students by creating a school garden. This letter of intent is pending final approval of the board, school council and members of the eco-club/faculty involved. With that approval we will proceed and the school will be totally committed to the project and schedule to begin in the 2010/2011 school year.

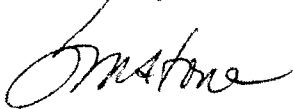
Together we will conduct a site inspection to determine the appropriate space to be allotted for a minimum space of 1500 sq.ft., with access to a water source, and along with our own team of committed staff, parents and students we want to ensure that the seeds planted come to fruition from this ground-breaking venture.

Staff Member Running Eco-Club
2010/2011 MS. L. VAN VLYMEN

Grounds Staff
Supervisor: MR. R. MUNGAL (LEAD CUSTODIAN)

We look forward to working together.

Sincerely,



Brian Stone
Principal

Application Form

For Office Use Only - Project No.:

Group Information

Name	Sustainable Energy Initiative		
Address	Faculty of Environmental Studies, York University		
Phone	416.736.5252	Fax	416. 736.5679
Email	rejose@yorku.ca	Website Address	
Charitable/Non Profit Organization registration # (if applicable)	Our Group has a bank account in the name of our organization No; however, the Faculty of Environmental Studies does and can help.		

Briefly describe what your group does:

The Sustainable Energy Initiative is a group of professors and graduate students based in the Faculty of Environmental Studies of York University working on research, project implementation and education focused on renewable energy, conservation, and efficiency.

Projects Contacts

Name	Dr. Jose Etcheverry	Name	Ms. Dianne More
Title	Assistant Professor	Title	Teacher
Phone (work)	416.736.5252	Phone (work)	905.294.1886
Phone (home)	905.554.0452	Phone (home)	905.294.7766
Email	rejose@yorku.ca	Email	dianne.more@ydsb.edu.on.ca

Project Summary

Title	Developing Markham's Renewable Energy Capacity		
Location of Project	Markham		
Name of Registered Owner of the Lands			
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	Fall Funding <input checked="" type="checkbox"/>	Either
Start Date of Project	October 2010	End Date	May 2011

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

- A. The project provides demonstrable, widespread and lasting environmental benefits for the community;
 - B. The project is a leading environmental innovation that can be showcased by the Town of Markham;
 - C. The project promotes education, understanding and participation in environmental sustainability in the Town of Markham; and;
 - D. The project supports the Town's environmental policies and strategic plan.
- The proposed project will address all of the above objectives by:**
- A. Quantifying the renewable energy potential of select Markham Schools, Churches and other not-for profit groups to illustrate in a very accessible format how they can capitalize on the Ontario Power Authority Feed-In Tariff
 - B. The renewable energy (RE) assessments can be used by the Town of Markham to assess and develop partnerships with the above groups to implement new projects under the OPA FIT Program
 - C. The project will train Markham District High School students on how to conduct renewable energy assessments
 - D. The project results will include an assessment of potential CO₂ emission reductions through RE in all buildings analyzed and therefore will assist in Markham's efforts to reduce emissions and address climate change

Purpose for the project

The purpose of the project is to introduce young students in Markham to the employment possibilities of the renewable energy market and develop their skills in that market and also to show non-profit organizations the potential financial, pedagogical and environmental advantages of participating in this market. First, the project will train a group of students from Markham District High School on how to conduct renewable energy (RE) assessments using the most sophisticated solar resource assessment tool* currently available (see video at www.solmetric.com/buy210.html) and RETSCREEN (a RE feasibility software available from NRCAN at www.retscreen.net that permits to evaluate the technical and financial suitability of any site in the planet using a web-based NASA data database). The project will teach students how to use these tools to accurately quantify the renewable energy potential in a group of key buildings in Markham (e.g. Markham District High School, Reesor Park Public School, libraries, interested churches)

*Please see attached information for specifications of the solmetric SunEye 210 tool and PV Designer software

Description of the Project Team

Sustainable Energy Initiative, Faculty of Environmental Studies, York University (Dr. Jose Etcheverry, a Markham resident and professor, Tom Du graduate student)

Windfall Ecology Center (Alex Kopperson, Certified Energy Advisor)

Markham District High School (Diane Moore, Teacher)

What will your project accomplish? (Include workplan with timelines)

1. Training of Markham District High School on how to conduct renewable energy (RE) assessments using solar resource assessment tool and RETSCREEN (November 2010)
2. Identification of key public buildings interested in understanding their RE potential (November-December 2010)
3. Evaluation by the students and project team of renewable energy potential in a group of selected buildings in Markham, e.g. Markham District High School, Reesor Park Public School, libraries, interested churches (December-February 2011)
4. Writing data results into highly accessible reports for each of the buildings (including quantification of renewable energy potential, total feed-in tariff payments over 20-year period and CO₂ emission reduction calculations) (March 2011)
5. Presentation and promotion of project results in selected venues (April-May 2011)

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

Dr. Jose Etcheverry, Professor Faculty of Environmental Studies, York University (416.736.5252)

What are the measurable benefits of this Project?

1. Select number of students trained in RE assessment and introduced to potential employment opportunities in RE market
2. Identification of Markham public buildings interested in participating in the OPA FIT program
3. Quantification of potential FIT payments and CO₂ emission reduction potential in selected buildings

How will you promote the MESF fund with this project?

MESF fund will be promoted in all written materials and presentation/promotion of all project results

Describe other funding sources/in kind support

In-kind support by all project members (see section below for details)

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

It is proposed that the training component of the project is refined and replicated with new students next school year using the know-how and equipment expected to be acquired through this project. Also a report will be produced for publication, and widespread dissemination, summarizing all learning and lessons acquired through the project.

Although it cannot be guaranteed, some of the buildings assessed may opt to develop renewable energy projects, which will lead to CO₂ emission reductions

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

If MESF is interested it could be arranged (e.g. through a "virtual sign" in the Faculty of Environmental Studies website)

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	\$ 3,320	Amount requested from the MESF	\$ 3,320
Amount from other sources	\$	In- Kind support hours	390

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
Final report of site assessments	100	5	500	500	
YTR transportation for students to York U/Sites (bus tickets)	100	3.25	325	325	
Total				3320	

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

How did you organization hear about the MESA? (Please check one)			
Town Website	_____	Newspaper advertisement <input checked="" type="checkbox"/>	Word of mouth _____ Other _____
<p>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.</p>			

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.
8. to permit the Town of Markham to claim ownership of greenhouse gas emission reductions, which resulted from the project.

Signature

Title Assistant Professor/PhD

JE

Printed Name

Jose Etcheverry

Date

September 17, 2010

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

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

Consent for Photographs received	Yes	No	Photos posted on website?	Yes	No
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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		

Markham Environmental Sustainability Fund

Photo Consent and Release Form

I, Jose R. Etcheverry 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	JRE		Date	September 17 2010	
Address	28 Sir Kay Drive				
Town	Markham	Province	Ontario	Postal Code	L3P 2Z2
Telephone	905.554.0452		Email	rejose@yorku.ca	
Town of Markham:					
Town Representative		Date			

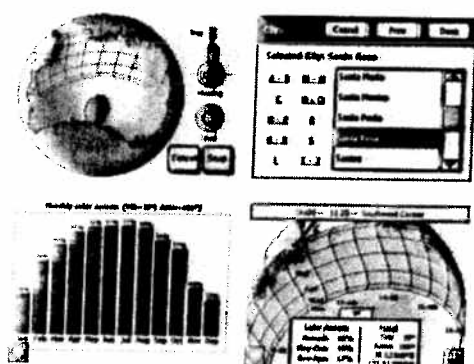
Solmetric Expert Tools. Better Solar.



View Cart

SunEye 210

SunEye 210 Shade Analysis Tool enables fast accurate solar site evaluation.



Watch the Video



Base Price: **\$1,995.00**

Options

Integrated GPS: **Yes (+\$200)**

PV Designer Software
One-Year License: **Yes (+\$300)**

BUY NOW

Description **Features** **Ordering Information**

Enhancing Site Evaluation

The SunEye 210 is an integrated Shade Analysis Tool for solar site assessment. It includes a fisheye lens on a digital camera and a dedicated on-board processor to perform digital image processing and analysis to compute shading and solar access percentages. It includes an electronic compass and level, and an inclinometer function for measuring roof pitch and azimuth.

- Digital camera with calibrated fisheye lens
- Electronic Inclinometer
- Electronic Compass
- Single-Handed Operation
- Rugged, Comfortable Design
- Worldwide weather data
- Data views: Annual sunpath, monthly solar access, obstruction elevation
- Edit mode to add or remove obstructions
- Integrated GPS (Optional)
- Live Survey Mode - View Annual Sunpaths live as you scan the site
- "What if" editing of sunpath obstructions with new scenario storage
- Desktop software for use on Windows PC
- Export reports for printing and emailing results
- Export files for other popular simulation programs
- 2 Year Warranty Worldwide



Download
Datasheet
(pdf)

The SunEye comes standard with the following items: a hard carrying case, an AC battery charger, a USB computer interconnect cable, a stylus, and a DVD containing the desktop PC software. All 210 units have worldwide operation and a 2 year limited warranty. User interface available in English, French, Italian, German, and Spanish. Integrated GPS is optional, enabling the



automatic detection of session and skyline location. PV Designer software is available as a bundled item for \$300 (\$100 off the normal base price).

Minimum System Requirements

- Windows 7, Windows Vista (all editions), Windows XP SP2 (Professional, Home, or Media Center), or Windows 2000 SP4
- 700 MHz
- 256 MB RAM
- 100 MB hard drive space

Systems that do not meet these requirements may not operate correctly.

Currently, the SunEye software does not run natively on Mac OS. It is possible, however, to run the SunEye software on a Mac using a Windows emulator, such as Parallels Desktop for MAC, or VMWare.



Request More Info



Tell a Friend

Optional Accessories

The following optional accessories are not included and must be ordered separately.

Replacement Parts

The following standard accessories are included with purchase. Or click on any item to order a spare or replacement.

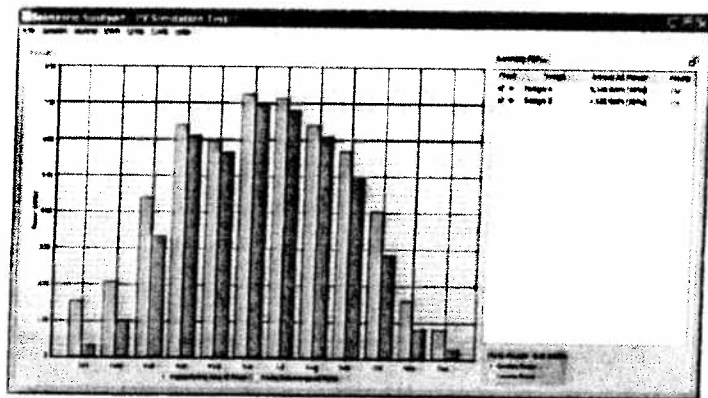
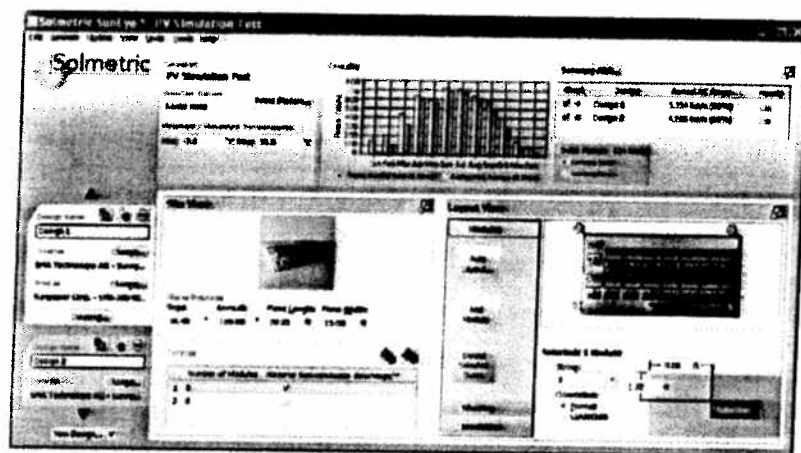
Solmetric PV Designer

Design Tools to Optimize Solar Production

More confidence in less time:

- Panel layout using real dimensions
- Shade visualization and analysis using data from Solmetric SunEye™
- AC kWh calculations with local weather impacts
- Partial shade analysis including string effects

The PV Design tool that lets you compare different hardware and roof layouts and see the results instantly.



Visualize solar PV designs

- See your design and optimize solar access
- Integrated equipment database puts manufacturer data at your fingertips
- Hourly, daily, annual output calculations
- Export data for further analysis
- Generate reports with high impact visuals for your proposal

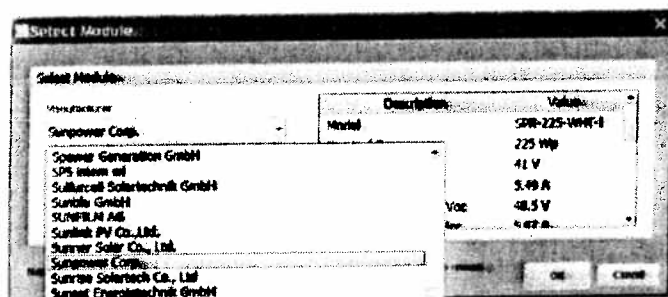
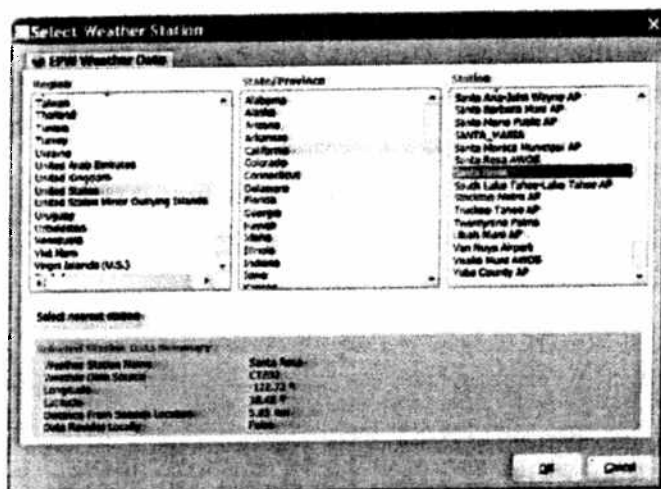
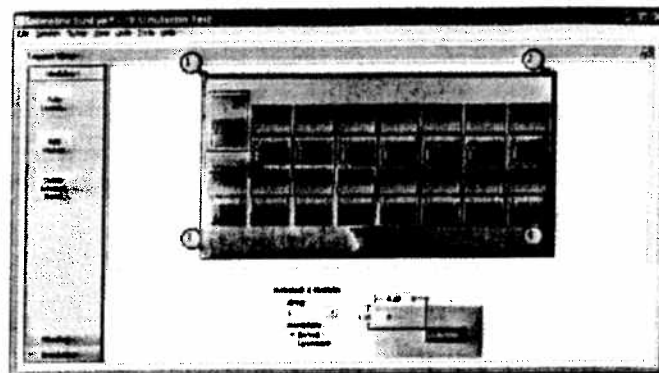
Solmetric
www.solmetric.com

PV Performance Analysis On Your Desktop

Model performance with actual on-site shade measurements

- Pinpoint locations of Solmetric SunEye™ readings
- Layout modules and define strings
- Visualize shading and module placement
- Optimize solar production for desired season
- Calculations include shading and string effects
- Calculate with and without SolarMagic™ Power Optimizers for each string*

* SolarMagic is a trademark of National Semiconductor Corporation.



Build winning solar proposals

- High Impact visuals show system layout
- Charts and graphs to support production estimates
- Experiment easily with alternative configurations
- Export data results to your applications for further analysis
- Use nearby weather data
- Select from built-in database of modules and inverters and compare results



For more information contact:

Solmetric Corporation
Toll free: 1-877-263-5026
info@solmetric.com

SunEye 210



**Integrated hand-held tool
for solar site evaluation
and shade analysis.**

That means:

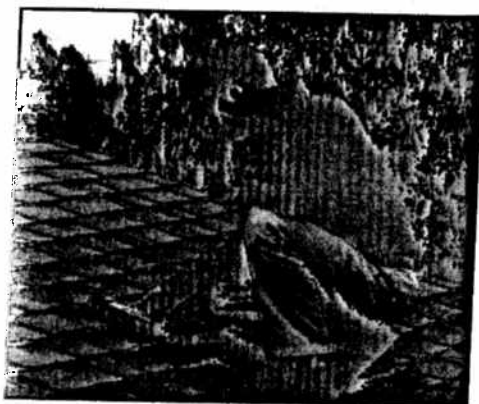
- Easy, accurate measurements and instant feedback
- Fast estimates lead to quick sales and designs
- Data is automatically stored for later review & design

Enhancing Site Evaluation

The Solmetric **SunEye 210** represents the next generation for solar energy professionals doing site evaluation and energy production estimates. With a unique patent-pending approach using a calibrated fisheye lens, the **SunEye 210** builds on the popular **SunEye 110** that has earned broad praise from solar professionals worldwide. It brings a new level of accuracy and convenience.

Key Features

- Electronic Inclinometer
- Electronic Compass
- Single-Handed Operation
- Rugged, Comfortable Design
- 2 Year Warranty Worldwide
- Integrated GPS (Optional)
- Live Survey Mode- View Annual Sunpaths live as you scan the site
- Digital camera with Fish-eye lens
- "What if" editing of sunpath obstructions with new scenario storage



Measuring roof pitch is now integrated into the SunEye 210. Simply lay it on the roof or module and read tilt and heading.

Solmetric

**Expert Tools.
Better Solar.**

Watch an Introductory video at
www.solmetric.com

Solmetric SunEye Family

Digital Camera with Fisheye Lens
GPS
PV Designer Compatible
One-hand Operation
Electronic Compass
Electronic Inclinometer
Live Survey Mode
Battery
Display Resolution
Two Year Warranty



SunEye 110

✓
Option (external)
✓

1700 mAh
320x240 (QVGA)
Outside US



SunEye 210

✓
Option (Integrated)
✓
✓
✓
✓

3300 mAh
640x480 (VGA)
Worldwide

SunEye 210

Take a closer look



2 Megapixel
Digital Camera
with Fisheye Lens

Built-in stylus holder

Impact resistant
molded body contains
post-consumer plastic

Bright Hi-Resolution
VGA Touch screen Display

Annual Sunpaths View
Other views include
monthly solar Access,
obstruction elevation
angles, and fisheye image.

Standard USB-Mini
connector transfers
SunEye data to Desktop
Companion PC software.
Edit and export
professional reports from
your PC.

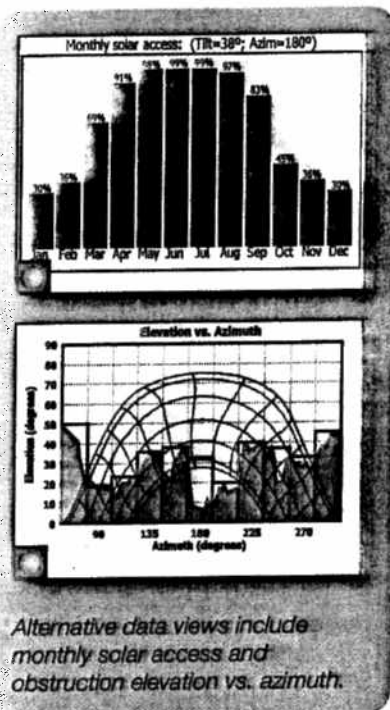
Display of Solar Access
and Panel Orientation

Home Button

5-way Navigation Keys.
Handy center key snaps
picture for one handed
operation

Quick Launch Buttons:
Orientation Mode and
Quick Measure

Neck/Wrist
Strap Attachments



About Solmetric

Solmetric provides accurate, time-saving solutions for solar professionals. Solmetric knowledge and expertise is embedded into each of the following products:

SunEye - Solar Site Evaluation

PV Designer - PV System Design

PV Analyzer - PV System Verification

Ordering Information:

Solmetric SunEye 210 Standard Accessories

Hard Case with tool storage cut-outs,
Stylus, AC Charger, USB Cable,
Installation DVD, Lens Cap and
Quick Start Guide.

Optional Accessories

PV Designer Software, Neck Strap

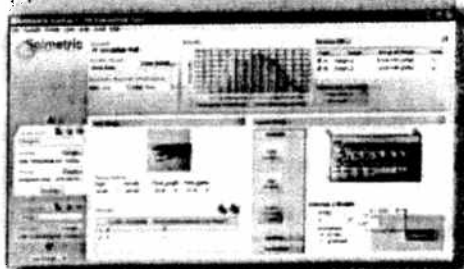
Solmetric

Headquarters:

Solmetric Corporation
117 Morris St. Suite 100
Sebastopol, CA 95472
www.solmetric.com
email: info@solmetric.com
Tel: +1-707-823-4600
Fax: +1-707-823-4620
toll-free in US: 877-263-5026

Desktop Companion Software

collects the shade data, generates reports and provides data files in many useful formats. The **PV Designer** software adds module layout and energy production estimates.



APPLICATION 6

For Office Use Only - Project No.:

APPLICATION FORM

PROJECT MANAGER

Name & Position	Alex Moore - Manager, Purchasing		
Department	Finance		
Phone	905-475-4711		
Fax	905-479-7762		
Email	amoore@markham.ca	Website Address	

PROJECT'S CONTACTS

Name	Raj Raman	Name	Joel Lustig
Dept.	Finance	Dept.	Finance
Phone	905-477-7000 Ext, 2013	Phone	905-477-7000 Ext, 4715
Email	rraman@markham.ca	Email	jlustig@markham.ca

PROJECT SUMMARY

Title	Markham's Sustainable Purchasing Practices		
Location of Project (if applicable)	Purchasing		
Duration (months, maximum 12 months)	12 months		
Request for:	Spring Funding	Fall Funding	Either
Start Date of Project	January 1, 2011	End Date	December 31, 2011

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 Sustainable in the Town of Markham; and;
- ❖ The project supports the Town's environmental policies and strategic plan.

Markham's Sustainable Purchasing Practices would support all the above initiatives.

Markham's Sustainable Purchasing Practices is an internal tool for staff to utilize for purchasing environmentally preferable products and services within the context of achieving value for money. The tool provides information on how to integrate environmental purchasing considerations into the procurement process including planning, acquisition, use and disposal. Through the support of MESF funding in 2009, the Town is finalizing a Markham's Sustainable Purchasing Practices guide that includes the consideration of many factors such as cost, performance, availability, quality and environmental performance.

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

OPERATIONS

OCT 06 2010

RECEIVED

BUDGET FORM – HUMAN RESOURCES (Volunteers)

[illegible]

Purpose

This is a part time position in the purchasing department that will assist the users to pursue alternate purchasing options that will conform to sustainable purchasing practices. Extensive research and discussions have been completed in 2010 to develop a sustainable purchasing practice guide that will enable users to refer before accessing the market for products and services. This guide is expected to be published on the intranet in the first quarter of 2011.

The Purpose and Focus of this position will be as follows:

1. Provide educational awareness to staff, to the approaches to purchasing products which have a lower impact on the environment over their life cycle.
2. Train staff involved in purchasing on Sustainable Purchasing Practices
3. Continuously monitor the purchasing requirements of users for conformance to the guide
4. Update guide to keep up with any new environmental information and any additional products to such guide

The availability of this resource is critical in ensuring the Town's success in implementing a strategic component of Environment Sustainability and the Green Print strategy

Team

The project will be delivered by the Purchasing Department with support from Sustainability office and other user departments as required. The request within this application is to hire on a contractual position or consultant to help roll out Markham's Sustainability Purchasing Practices and educate staff on "green" products/services.

Accomplishments/Work plan

The project outcome will be a regularly reviewed Sustainable Purchasing Practices guide by Town Staff, Consultants (doing specifications on behalf of the Town) to make better purchasing decisions based on an expanded notion of cost, and consideration of the environmental attributes and social issues associated with the products purchased. Another one of the objectives of implementing the Sustainable Purchasing Practices is to create awareness among the individual users for using eco-products & services wherever possible.

Maintain & Monitor

Markham's Sustainable Purchasing Practices will assist individuals to change their purchasing practises and offer tips for integrating sustainable practices into purchasing decisions in a way that will be systematic and long lasting. The extent of this training/education will allow for an increase in sustainable purchasing decisions and increase the overall sustainable practices in the Town. A survey is being released to staff in 4th quarter 2010 and will be helpful in establishing a baseline of our green purchasing practices knowledge and after one year another survey will be undertaken and should show a sustainable uptake on knowledge of staff surrounding green purchases.

Like any public program it is essential to monitor the effectiveness of the Sustainable Purchasing Practices. Moreover, since public purchases are done using tax payers money, it is essential that the Sustainable Purchasing Practices is implemented in a transparent and impartial manner. For this purpose, necessary monitoring and training mechanisms need to be incorporated right from the design phase. Such monitoring can include:

- Amount of "green" purchases vis-à-vis total purchases
- Typical products sources in highest quantities under Sustainable Purchasing Practices guide
- Reduction in environmental burden by using Sustainable Purchasing Practices such as GHG emissions or reduction in water/energy consumption etc.

All this information can be used not only for reporting, but can also provide important feedback to make necessary changes/adjustments to the Sustainable Purchasing Practices for the future.

Measurable Benefits

Increased staff knowledge of green purchasing practices and a better understanding of certified third party agencies that the town recognizes as following 'green' practices will help inform staff on our movement to a greener procurement. Also, cost savings are the most universally applicable financial benefits of green purchasing. Numerous studies highlight the fact that those organizations practicing green procurement typically save money over total ownership costs and support a reduction in organizational footprints.

Promotion of MESF

The Markham's Sustainable Purchasing Practices will acknowledge MESF within the guide and any promotional literature relating to this project.

Other Funding Sources

No other funding sources,

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	50,000	Amount requested from the MESF	50,000
Amount from other sources		In- Kind support hours	



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

Markham Environmental Sustainability Fund

Internal Guide and Application Form

What is the MESF?

The MESF is a Town program that funds innovative and leading environmental initiatives that contribute to the sustainability and health of the natural environment. The fund provides financial resources for projects in Markham that promote environmental responsibility and enhance the protection of the Town's natural resources. The purpose of the fund is to provide demonstrable, widespread and lasting environmental benefits to the Markham community.

Who Can Apply?

Town of Markham staff or member of Markham Council.

What are the Program's Requirements?

Applications will be considered by the Environmental Issues Committee for recommendation to the Finance and Administrative Committee and Council. The following objectives shall be considered by the Environmental Issues Committee when reviewing applications:

- the project is a leading environmental innovation (i.e. pilot project) that can be showcased by the 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.

Projects will be expected to meet at least one of these objectives, if not more. Applications that do not meet any of these criteria will not be approved.

What are the Internal Funding Criteria for an Application?

- Projects must be within the Town of Markham, initiated by Town of Markham staff or members of Council
- Applicants must only be applying for one year at a time, although the project may be phased
- Materials and equipment costs will be a priority for funding from the MESF, however, other costs may be eligible and will be determined on an individual project basis
- The project must have widespread, lasting environmental benefits for the community
- The project promotes environmental sustainability
- The project promotes understanding and participation in environmental sustainability in the Town of Markham
- The project will have measurable results
- Records are to be kept with respect to the project and a report is to be prepared upon completion of the project and submitted to the Environmental Issues Committee for their records
- The project is consistent with the Town of Markham's objectives
- The project promotes the Town of Markham and the Town of Markham's commitment to environmental sustainability
- Work on the project must not have commenced
- Funding is intended for projects that would not normally be considered as part of a department's budget
- Funding will not be granted where projects have been commenced

What are some Suggested Projects?

- energy efficiency initiatives / pilot projects
- climate change reduction and Kyoto initiatives
- clean air awareness activities and initiatives
- water management promotion
- green roof promotion and implementation

- downspout disconnection/rain barrel program
- wildlife habitat restoration/naturalization activities
- water conservation/efficiency initiatives
- natural features study update/implementation
- environmental and natural gardening promotion and information
- clean-up activities
- environmental management activities
- school environmental projects

When are the application deadlines?

Funding is awarded twice each year - in Spring (February application deadline) and Fall (September application deadline). For specific dates please refer to the website or contact the Manager of Environmental Leadership.

How Do I apply?

- Step 1 **Speak with the Manager of Environmental Leadership** about your proposed application;
- Step 2 **Complete the Application Form.** Please ensure that it is legible and signed.
- Step 3 **Prepare any supporting information**, such as illustrations and maps and attach them to the application form. Sufficient and complete information must be provided for the Environmental Issues Committee to make a decision.
- Step 4 **Submit your application** to the Manager, Environmental Leadership, Town of Markham, Ontario, L3R 9W3. Telephone 905-415-7502, Fax 905-475-4710.

Application Checklist

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

- A complete application form, signed by Department Head, including all budget and funding details
- All supporting documentation

What will happen next?

The Environmental Issues Committee will review all applications taking into account the established objectives and criteria described above. They will determine which projects should be funded and how they should be funded (in a single payment or in phases) and make a recommendation to General Committee and Council.

How will I be notified?

You will be contacted by the Manager of Environmental Leadership following Council's decision.

What happens after the Project is completed?

Upon completion of the project and no later than 12 months from delivery of the funding, you are required to submit your project report. Include a project summary and photos so we can review and promote your project.

What does a Project Report Contain?

- accounting of how all funding has been spent
- original copies of paid invoices
- description of the success/any shortfalls of the project
- photographs for review and promotion of the project
- completed consent form for use of photographs

A project format will be provided to assist you in preparing the report

BUDGET FORM

[illegible]

Other Expenses

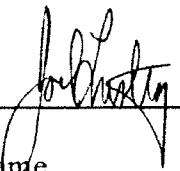
n/a					
Total					

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

Town Website	_____	Newspaper advertisement	_____	Word of mouth	_____	Other	_____
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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.

DEPARTMENT HEAD'S AUTHORIZATION

Signature  Title TREASURER

Printed Name JOEL LUSTIG Date OCTOBER 6/10

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

Report to: Environmental Issues Committee
Report Date: October 8, 2010
Subject: Markham Trees for Tomorrow Fund, Funding Application, Fall 2010
Prepared by: Nory Takata, Parks Planner - Operations Dept, Community and Fire Services Commission Ext. 3226

Recommending:

1. The funding application by 10,000 Trees for the Rouge, for \$8,100, to conduct a series of fall tree plantings to restore 3 acres of floodplain along the north bank of the Little Rouge River to enhance the biological diversity and increase the effective riparian buffer along a 500 + m reach of this sensitive watershed area, be approved.

10,000 Trees for the Rouge Fall Restoration Planting

This request is from the Markham Trees for Tomorrow Fund for \$8,100 to:

- plant 3 acres with native tree and shrub species to improve the function, canopy cover, and breadth of the riparian buffer zone along the north bank of the Little Rouge River

The application, which includes a site map with planting plan, species list and detailed budget, is attached for review.

Proposed Project deliverables for this fall planting project include:

- Restore 3 acres of floodplain adjacent to the Little Rouge River by planting over 1,500 native trees and 420 native shrubs to enhance the linear riparian buffer zone by more than 500 meters;
- Increase forest diversity by introducing 7 native tree and shrub species appropriate for this site;
- Connect forest fragments to reduce edge effects and increase continuous forest cover;
- Reduce peak flow volume and intensity through uptake by the root systems and retention on foliage during summer storm events;
- Mitigate the impacts of agricultural run-off by reducing the rate of flow, filtration of dissolved solids via roots, etc.;
- Displace invasive, non-native species;
- Provide hands-on learning and education for approximately 250 volunteer tree planters.

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

Finally these planting events provide an excellent opportunity to leverage community engagement by providing meaningful volunteer activities for AmEx, Toshiba and LEAF Tree Tenders Course graduates. They also demonstrate the valuable role that Markham's Trees for

Tomorrow Fund can play in creating a collaborative network of Non-Governmental Organizations, Public Agencies, private sector participants and community groups

Request for Exception

A total of \$97,500 was granted from The Markham Trees for Tomorrow Fund for four tree planting projects in the spring, including \$7,500 which was awarded to 10,000 Trees for the Rouge for their annual spring tree planting event which was successfully completed on April 25th of this year. Although this fall planting project was being developed at that time and was discussed with staff in August 2009, 10,000 Trees could not include it in the spring application as the project was not finalized until later.

The Trees for Tomorrow guidelines allow only one funding application per organization annually. It is, however, recommended by staff that an exception to the criteria be made in this instance, given the unique and important nature of this project which has been under development since the spring. In addition, the 10,000 Trees total funding request for 2010 is \$15,600 (the sum of the spring and fall applications), which falls well short of the upper funding limit per project, per annum, of \$30,000.

Recommendation:

That the application for 10,000 Trees for the Rouge Fall Planting Project be approved for the amount of \$8,100 to plant 2,000 Native trees and shrubs in this restoration planting.

Funding for this fall Markham Trees for Tomorrow Fund application project would be drawn from Markham Trees for Tomorrow Account #700-101-5399-10221. The total funding provided by the Markham Trees for Tomorrow Fund (pending fall funding approval) for 2010 is \$105,600 as detailed below:

Organization	Spring Funding	Fall Funding	2010 Funding
10,000 Trees for the Rouge	\$7,500	\$8,100	
Friends of the Rouge Watershed	\$30,000		
Evergreen	\$30,000		
LEAF*	\$30,000		
Totals	\$97,500	\$8,100	\$105,600

*Local Enhancement and Appreciation of Forests



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

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

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

Trees provide substantial environmental, social and economic benefits to our community. One mature tree can remove about 48 pounds of carbon dioxide from the atmosphere per year and release enough oxygen into the atmosphere to support two people. In the first 50 years of its' lifespan, the average tree will have produced \$31,250 worth of oxygen, \$62,000 worth of air pollution control, \$37,500 worth of recycled water and \$31,250 of erosion control. With the Markham Trees for Tomorrow program, more than 75,000 trees will be planted by 2010. This fund provides grants for tree planting projects to an upset limit of \$30,000.

Who Can Apply?

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

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

What are the Program's Requirements?

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

All applications must:

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

All applications must include:

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

What are the Funding Criteria for an Application?

- applicants can request a maximum of \$30,000 from the MTTF per project per year for projects that will be completed within that same one-year time frame (12 months from issuance of cheque)
- only materials and equipment costs (not consulting services) are eligible for funding from the MTTF
- any groups that received funding for projects which have not been completed to the satisfaction of the Town are not eligible for future funding
- funding will not be granted where projects have been commenced.

When are the application deadlines?

Funding will be awarded twice per year in Spring and Fall. Applications must be submitted by September 17, 2010, for fall funding.

How Do I apply?

- Step 1 **Contact the Parks Planner** about your proposed project and to request an application form. (Telephone: 905-477-7000 ext. 3226
e-mail: ntakata@markham.ca)
- Step 2 **Complete the Application Form.** Please ensure that it is legible and signed.
- Step 3 **Prepare required supporting information**, such as illustrations and maps and attach them to the application form. In the event the Registered Owner of the lands is an entity other than the Town of Markham, a letter must accompany the application stating that the Owner consents to this application; acknowledges that the proposed project complies with all its applicable policies and requirements; and, that the writer has the authority to give its consent. Sufficient and complete information must be provided with the application for the Environmental Issues Committee to make a decision.
- Step 4 **Submit your application to the Parks Planner, Operations, Town of Markham, 101 Town Centre Boulevard, Markham, Ontario, L3R 9W3.**

Application Checklist

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

- A complete and signed application form, including all budget and funding details
- All supporting documentation such as a detailed site plan, species list, planting specifications etc.
- Consent letter from registered owner, if applicable

What will happen next?

The Environmental Issues Committee will review all applications taking into account the established objectives and criteria described above. They may choose to grant the right to the applicant to present their proposal, if requested. They will determine which projects should be funded and how they should be funded (in a single payment or in phases) and make a recommendation to General Committee and Council.

How will I be notified?

An acknowledgement will be sent upon receipt of an application. If your project is approved for funding, you will be contacted. If your application is not approved, you will be informed in writing.

What happens after the Project is completed?

Upon completion of the project and no later than 12 months from delivery of the funding, you are required to submit your project report. Include a project summary and photos so we can review and promote your project, together with the completed consent forms permitting use of your photographs by the Town (copy attached).

What does a Project Report Contain?

- accounting of how all funding has been spent
- original copies of paid invoices
- photographs for review and promotion of the project
- completed consent form for use of photographs

A project format will be provided to assist you in preparing the report

Application Form

For Office Use Only - Project No.:

Group Information			
Name	10,000 Trees for the Rouge Valley		
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		
12981 4729 RR001	Yes YES No <u> </u>		
Briefly describe what your group does:			
<p>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 restore a variety of native habitats to a high level of ecological form and function. A one day public event which attracts 1,700 people on average, is held during late April and is the focus of political and media attention. However, monitoring and stewardship of each project continues with community support throughout the growing season. The group has been responsible for planting over 140,000 indigenous trees and shrubs on over 120 acres of land in the Rouge Park since 1989.</p>			
Project Manager		Additional Contact	
Name	Colin Creasey	Name	Marshall Buchanan
Title	Chairperson	Title	Registered Professional Forester
Phone (work)	905-450-4634	Phone (work)	613 649-0098
Phone (home)	905-880-9116	Phone (home)	613 649-0098
Email	ccreasey@pre-con.com	Email	heritagetrees@on.aibn.com
Project Summary			

Title	Little Rouge River Fall Planting		
Location of Project	North side Donald Cousens Parkway, 0.7 km east of 9 th Line		
Name of Registered Owner of the Lands:	Town of Markham		
Address of Registered Owner of the Lands	101 Town Centre Blvd, Markham ON L3R 9W3		
Contact Name for Registered Owner of the Lands	Nory Takata		
Phone # Registered Owner of the Lands	905 477-7000	Duration (months, maximum 12 months)	3
Request for	Spring Funding <u> </u>	Fall Funding <u>X</u>	Either <u> </u>
Start Date of Project	September 24 th 2010	End Date	November 21, 2010

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, CTIO, 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,

Fundraising Committee

Searches 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.

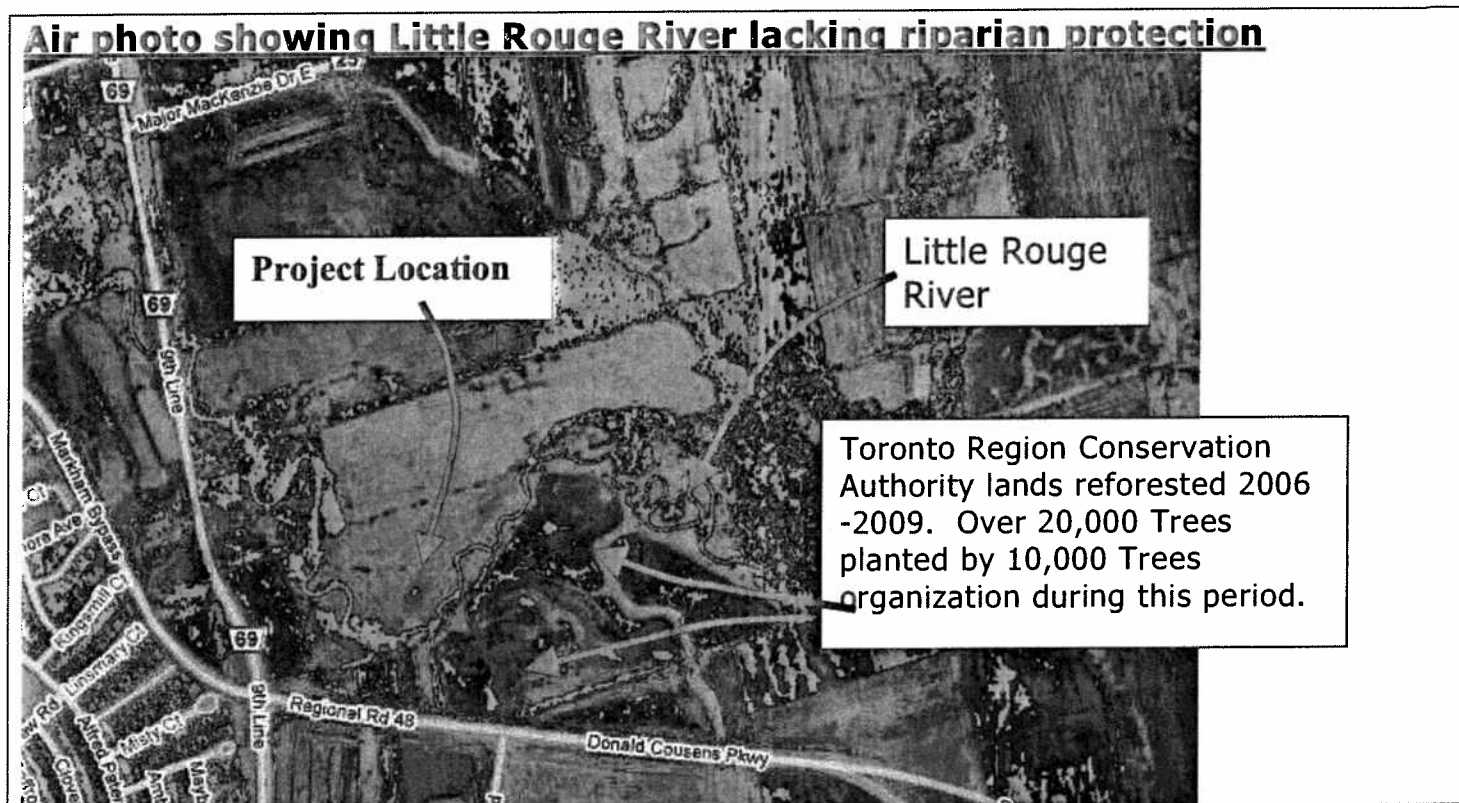
Site Preparation

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.

Project Overview

The purpose of this project is to restore 3 acres of a 12 acre floodplain adjacent to the Little Rouge River. It is the second step of a multiphase effort to restore biodiversity to a floodplain that has been in agricultural use since pioneer settlement until it was abandoned approximately 25 years ago. The 3rd step is to transform about 2.5 acres of the floodplain to a swamp ecosystem during September 2010. That project will be implemented by 10,000 Trees Volunteers & the Toronto Region Conservation Authority using \$20,000.00 of funding already secured by 10,000 Trees and provided exclusively by Canon Canada Inc.

We are seeking funding from the Trees for Tomorrow Fund to help plant 3 acres of this meadow during the fall of 2011.



Overall Project Goal

Our objective is to create high functioning natural ecosystems close to urban areas so that there will be refuges for plants and animals where most people live. We are trying to mitigate the biodiversity crisis which is greatest in settled landscapes and teach that parks and protected areas are needed close to where people live; they are not just for remote & rural Canada. We do this by providing an annual public tree planting events and by providing schools and corporations opportunities for additional hands-on green giving in the municipality where they work and live.

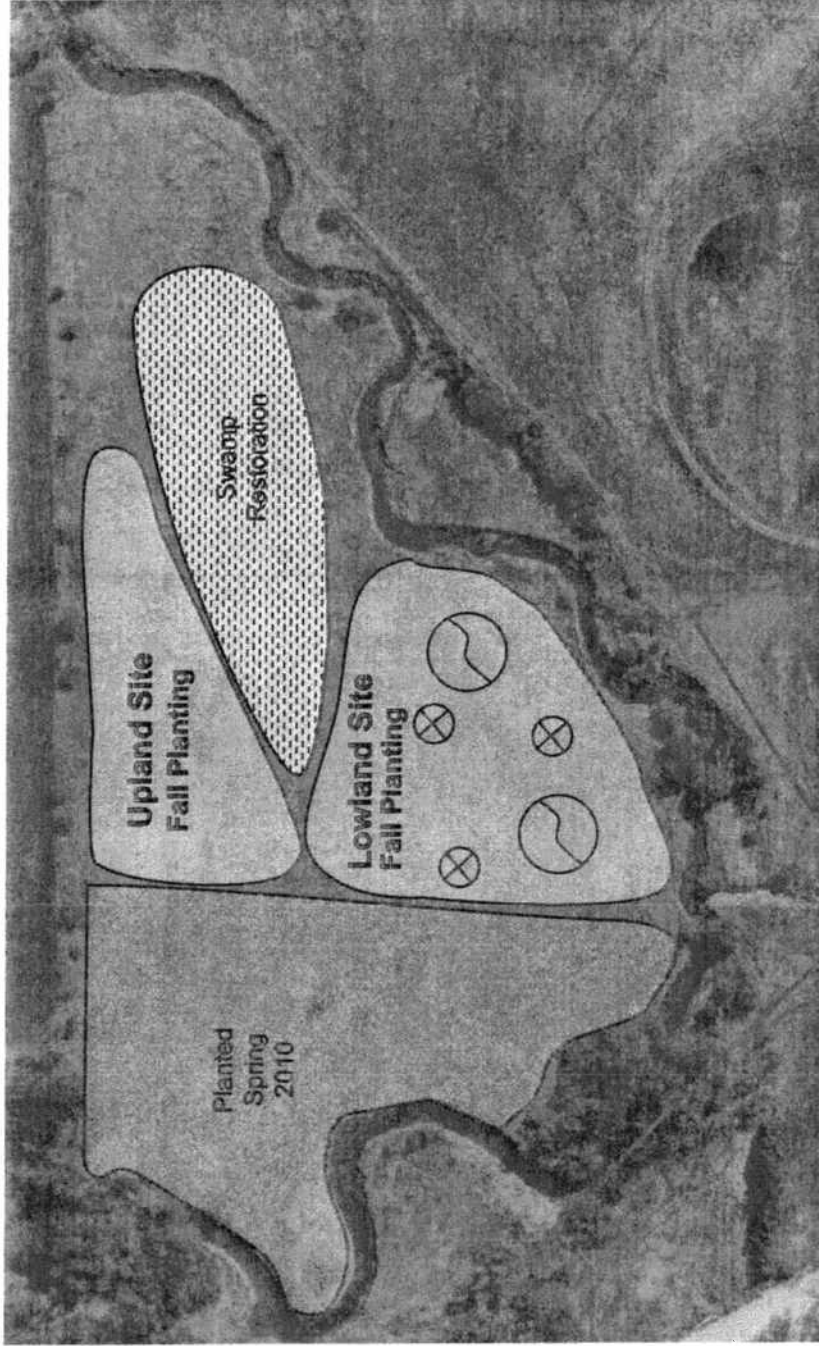
In the short term the project objectives are to

- 1) Increase native species cover by 2.5 acres
- 2) Increase linear riparian zone trees by at least 500 metres
- 3) Increase forest diversity by planting 7 native tree and shrubs species new to the site
- 4) Provide hands-on learning and education for participants via training provided by planting managers, educational posters which are placed on site and posted signs which indicate the species of plant material used

As the planted trees grow, the project will, in the medium & long term:

- 1) Connect forest fragments to increase continuous forest cover and reduce edge effects
- 2) Reducing peak flow volume and intensity by storing and conserving water
- 3) Reducing agricultural runoff
- 4) Displace alien species / non-native vegetation

Table 1 List of Prescribed Trees & Shrubs Little Rouge River - Fall Planting			
Common Name	Latin name	Stock Type	Number Required
Balsam Poplar	<i>Populus balsamifera</i>	Bareroot, 1.3	75
Bitternut Hickory	<i>Carya cordiformis</i>	Container, 1 metre	20
Black Ash	<i>Fraxinus americana</i>	Container 75 cm tall	80
Black Walnut	<i>Juglans nigra</i>	Bareroot, 1 metres	100
Cottonwood	<i>Populus deltoides</i>	Bareroot, 1.5	400
Eastern white cedar	<i>Thuja occidentalis</i>	Open root ball, 1	350
Elderberry	<i>Sambucus canadensis</i>	Container 60 cm tall	50
Gray Dogwood		Container 60 cm tall	100
Nannyberry	<i>Viburnum</i>	Container 60 cm tall	20
Red Osier Dogwood	<i>Cornus stolonifera</i>	Container, 1 metre	250
Silver maple	<i>Acer sacharinum</i>	Bareroot, 2 metres	100
Tamarack	<i>Larix laricina</i>	Container 75 cm tall	250
White Birch	<i>Betul papyrifera</i>	Bareroot, 2 metres	30
White pine	<i>Pinus strobus</i>	Bareroot, 1 metres	150
White spruce	<i>Picea glauca</i>	Container 1.3	25
Total			2000



<p>Temporary Deer Exclusion Plot</p> <p>50 Silver Maple trees / plot</p> <p>40 Black Ash</p> <p>15 White Birch</p> <p>10 Bitternut Hickory</p>	<p>⊗ Shrub Thicket</p> <p>83 Red Osier Dogwood</p> <p>33 Grey Dogwood</p> <p>17 Elderberry</p> <p>7 Nannyberry</p>	<p>⊗</p> <p>Lowland Site – Scattered Trees</p> <p>400 Cottonwood 75 Balsam Poplar</p> <p>350 White Cedar 25 White Spruce</p> <p>250 Tamarack</p>	<p>Upland Site</p> <p>150 White Pine</p> <p>100 Black Walnut</p>
<p>2010 Fall Tree Planting</p>	<p>10,000 Trees for the Rouge</p>	<p>August 20, 2010</p>	<p>Scale: 1 cm = 30 metres</p>
<p>Drawing: Marshall Buchanan, Registered Professional Forester</p>	<p>10,000 Trees for the Rouge</p>	<p>August 20, 2010</p>	<p>10,000 Trees for the Rouge</p>

Work Plan, Maintenance & Monitoring Activities	
April - October	Work Plan
Project Start September 24th 2010	<ul style="list-style-type: none"> • Begin installation of protective temporary fencing against deer browsing
	<ul style="list-style-type: none"> • Receive trees, distribute, and heel in place
Planting Days September 27th – October 31 2010	<ul style="list-style-type: none"> • Receive students and community groups in small numbers 30 - 100 people over several days during the next 4 weeks • Supervise and coordinate volunteers to get trees and shrubs planted
	<ul style="list-style-type: none"> • Instruct planting managers on site layout and planting methods
	<ul style="list-style-type: none"> • Install tree guards to reduce damage from meadow voles
	<ul style="list-style-type: none"> • Photograph progress of reforestation
	<ul style="list-style-type: none"> • Monitor trees & shrubs to verify initial viability, that buds flushed and leaves emerged (i.e. trees are alive)
May	<ul style="list-style-type: none"> • Monitor for insect herbivory (caterpillars etc.)
	<ul style="list-style-type: none"> • Monitor site for wildlife use
June	<ul style="list-style-type: none"> • Mow weeds where necessary
	<ul style="list-style-type: none"> • Photograph site
	<ul style="list-style-type: none"> •
July - August	<ul style="list-style-type: none"> • Complete fertilizing and water if necessary
	<ul style="list-style-type: none"> • Cut weeds again, if necessary
	<ul style="list-style-type: none"> • Conduct regeneration survey
	<ul style="list-style-type: none"> • Monitor site for wildlife use
	<ul style="list-style-type: none"> • Photograph site

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	\$17,874.50	Amount requested from the MTTF	\$8,100.00
Amount from other sources	\$9,774.50	In- Kind support hours	908

Marshall Buchanan

Friday, August 20, 2010

APPLICANT'S SIGNATURE

DATE

BUDGET FORM – HUMAN RESOURCES

BUDGET FORM – HUMAN RESOURCES (Volunteers)

Service	Details		In- Kind Value (in hours worked)
	Number of People	Estimated Time for Each hour)	
(e.g. Volunteer planters)	10	10	100
Volunteer Planters	250	2.5	625
Training Planting Managers	10	2.5	25
Sub committee Meetings	4	37.5	150
Executive Meetings	3	20	60
Fundraising	3	5	15
Ecological Consultants	1	25	25
Tree Maintenance	1	8	8
Total	272	100.5	908

BUDGET FORM (Material Resources)

Table 2 Budget for Nursery Stock				
Little Rouge River - Fall Planting				
Common Name	Stock Type & Minimum Height	Number Required	Estimated Unit Cost	Line Total
Balsam Poplar	Bareroot, 1.3 metres	75	4.50	337.5
Bitternut Hickory	Container, 1 metre tall	20	12	240
Black Ash	Container 75 cm tall	80	10	800
Black Walnut	Bareroot, 1 metres tall	100	6	600
Cottonwood	Bareroot, 1.5 metres	400	5.50	2200
Eastern white cedar	Open root ball, 1 metre	350	7	2450
Elderberry	Container 60 cm tall	50	6.75	337.5
Gray Dogwood	Container 60 cm tall	100	6.75	675
Nannyberry	Container 60 cm tall	25		135
Red Osier Dogwood	Container, 1 metre tall	250	6.75	1687.50
Silver maple	Bareroot, 2 metres tall	100	12	1200
Tamarack	Container 75 cm tall	250	8.75	2187.5
White Birch	Bareroot, 2 metres tall	30	15	450
White pine	Bareroot, 1 metres tall	150	4.75	712.5
White spruce	Container 1.3 metres	25	12	300
Sub-total Trees & Shrubs				\$14,312.50
Delivery & Handling				\$400.00
Total without Taxes				\$14,712.50

Table 3 Budget for Temporary Deer Fencing (materials only, excluding taxes)	
Item Description	Estimated Cost for 2 plots
32 Wooden Stakes @ \$6.00 each	192.00
400 feet of ¼ polypropylene rope per plot =\$40.00	80.0
Total	\$272.00

Materials, Supplies and Equipment	Cost			MTFT	Other
	# of units	Average Unit Cost \$	Total Cost \$		
Nursery Stock (trees and shrubs)	2000	7.36	14,712.50	7000	7712.50
Tree Guards	750	1.00	850	500	350
Biodegradable Weed Mats	600	1.40	840.00		840.00
Temporary Deer Fencing	2 plots	136	272		272
Grass Mowing	2 acres	300	600	600	
Soil Scarification	2 acres	300	600		600

Other Expenses

(e.g. Printing Brochures)	100	0.50	50.00	25.00	25.00
Toilets & Washstands	2	500	1000		1000
School Buses	6	300	1800		1800
Total			\$17,874.50	\$8,100.00	\$9,774.50

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

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

Applicant's Signature

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

If approved for funding I further acknowledge and agree:

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



Signature

Title **Registered Professional Forester**

Printed Name **Marshall Buchanan**

Date: **Friday, August 20, 2010**

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

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

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

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

Markham Trees for Tomorrow Fund

Photo Consent and Release Form

I, Marshall Buchanan 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		Date	Friday, August 20, 2010		
Address	1320 Scotch Bush Rd				
Town	Douglas	Province	ON	Postal Code	K0J 1S0
Telephone	613 649-0098		Email	heritagetrees@on.aibn.com	
Town of Markham:					
Town Representative		Date			