

### **Environmental Action Committee**

#### Date

2016/03/01

#### Time

9:15 AM

#### Location

Civic Centre, Committee Room A - Second Floor, 300 Civic Centre Drive, Mississauga, Ontario, L5B 3C1 Ontario

#### Members

Matt Mahoney George Carlson Jim Tovey Brad Bass Dave Beaton Charles Cooper Stephanie Crocker Chelsea Dalton Joanne Deidun-Roork Alex Dumesle Manasi Goyal Lea Ann Mallett Rozhin Rasekhi Councillor - Ward 8 (Chair) Councillor - Ward 11 (Vice-Chair) Councillor - Ward 1 Citizen Member Credit Valley Conservation Citizen Member Ecosource Citizen Member The Little Green Schoolhouse Partners in Project Green Peel Environmental Youth Alliance Citizen Member University of Toronto Mississauga

#### Contact

Karen Morden, Legislative Coordinator, Legislative Services 905-615-3200 ext. 5471 karen.morden@mississauga.ca

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#### 1. <u>CALL TO ORDER</u>

- 2. <u>APPROVAL OF AGENDA</u>
- 3. DECLARATION OF CONFLICT OF INTEREST
- 4. <u>MINUTES OF PREVIOUS MEE</u>TING
- 4.1. Minutes from the February 2, 2016 Environmental Action Committee Meeting Pages 4-10

#### RECOMMEND APPROVAL

- 5. <u>DEPUTATIONS</u>
- 5.1. Sheila Storey, CEO of Sawmill Sid Inc. to speak regarding urban wood utilization and the Tree and Wood Recovery Centre.
- 5.2. Leo Yin, Hanwei Zhang, and Monica Wan from First Lego League Team Nebula to **Pages 11-21** speak regarding plastic bag waste in Mississauga.
- 5.3. Carlos Bauer, Resident to speak regarding an environmental program in Mississauga. Pages 22-23
- 5.4. Christopher Pyke, Waste Management Coordinator to speak regarding waste Pages 24-29 management and EAC action opportunities.
- 6. <u>MATTERS TO BE CONSIDERED</u>
- 6.1. Working Group Updates

Members of the Environmental Action Committee to provide updates with respect to the EAC Work Plan.

#### DIRECTION REQUIRED

- 7. <u>INFORMATION ITEMS</u>
- 7.1. <u>Update on Community Green Leaders: Celebrating Environmental Initiatives in</u> Pages 30-31 <u>Mississauga</u>

Memorandum dated February 9, 2016 from Diana Suzuki, Environmental Outreach Coordinator with respect to an update on Community Green Leaders and environmental initiatives in Mississauga.

#### RECOMMEND RECEIPT

7.2.	EAC Environmental Actions Summary Chart	Pages 32-33
	Environmental Actions Summary chart updated for the march 1, 2016 meetin	ıg.
	RECOMMEND RECEIPT	
8.	OTHER BUSINESS	
9.	DATE OF NEXT MEETING	
	Tuesday, April 5, 2016 – 9:15 AM, Civic Centre, Committee Room A	

10. <u>ADJOURNMENT</u>



### **Environmental Action Committee**

#### Date

2016/02/02

#### Time

9:30 AM

#### Location

Civic Centre, Committee Room A - Second Floor, 300 Civic Centre Drive, Mississauga, Ontario, L5B 3C1 Ontario

#### **Members Present**

Councillor Matt Mahoney, Ward 8 (Chair) Councillor George Carlson, Ward 11 (Vice-Chair) Councillor Jim Tovey, Ward 1 Brad Bass, Citizen Member Charles Cooper, Citizen Member Chelsea Dalton, Citizen Member Lea Ann Mallett, Citizen Member Manasi Goyal, Peel Environmental Youth Alliance Rozhin Rasekhi, University of Toronto Mississauga Dave Beaton, Credit Valley Conservation Joanne Deidun-Roork, The Little Green Schoolhouse Alex Dumesle, Partners in Project Green

#### **Members Absent**

Stephanie Crocker, Ecosource

#### Staff Present

Brenda Osborne, Director, Environment Julius Lindsay, Community Energy Specialist Jessika Corkum-Gorrill, Acting Environmental Specialist Lisa Urbani, Environmental Research Assistant Karen Morden, Legislative Coordinator, Legislative Services

#### 1. <u>CALL TO ORDER</u> – 9:30 AM

#### 2. <u>APPROVAL OF AGENDA</u>

The order of deputations was changed to have Robert Shirkey speak first (5.2.), Julius Lindsay speak second (5.3.), and Cameron McCuaig speak last (5.1.).

Chelsea Dalton, Citizen Member added an item under "Other Business".

Approved, as amended (C. Dalton)

#### 3. <u>DECLARATION OF CONFLICT OF INTEREST</u> – Nil.

#### 4. <u>MINUTES OF PREVIOUS MEETING</u>

4.1. Minutes from the November 3, 2015 meeting of the Environmental Action Committee.

Approved (C. Cooper)

#### 5. <u>DEPUTATIONS</u>

The order of proceedings in these minutes reflects the amendments made prior to approval of the agenda, as amended.

5.2. Robert Shirkey, Executive Director, Our Horizon spoke with respect to the labelling of gas pump nozzles with messaging directed at consumers to create awareness and discontent with the current, everyday practice. Mr. Shirkey commented on a potential for change and possible funding of public, active transportation.

Discussion amongst Members included questions regarding pilots in other municipalities, the consideration of positive messaging and incentives, and noted that the matter is a Provincial responsibility.

#### RECOMMENDATION

That the deputation and associated PowerPoint presentation by Robert Shirkey, Executive Director, Our Horizon with respect to the labelling of gas pump nozzles to the Environmental Action Committee on February 2, 2016 be received.

<u>Received</u> (B. Bass) Recommendation EAC-0001-2016

5.3. Julius Lindsay, Community Energy Specialist spoke with respect to an update on climate change, providing background information, the economic impact of a climate change study, and spoke to the Provincial strategic plan.

Mr. Lindsay responded to questions from Members regarding the study methodology, annual expected damage (EAD), community partners, and potential next steps.

#### RECOMMENDATION

That the deputation and associated PowerPoint presentation by Julius Lindsay, Community Energy Specialist with respect to a climate change update, be received.

<u>Received</u> (A. Dumesle) Recommendation EAC-0002-2016

5.1. Cameron McCuaig, Resident spoke with respect to the Blue Dot Movement, thanked Environment staff for their work on the issue, and spoke to potential next steps. Mr. McCuaig noted Canadian participation and encouraged Members to get others involved.

> <u>RECOMMENDATION</u> That the deputation by Cameron McCuaig, Resident with respect to the Blue Dot Movement, be received.

Received (C. Cooper) Recommendation EAC-0003-2016

#### 6. MATTERS TO BE CONSIDERED

#### 6.1. <u>Blue Dot Movement - Update</u>

Jessika Corkum-Gorrill, Acting Environmental Specialist spoke briefly to her memorandum of January 8, 2016 regarding the Blue Dot Movement and the proposed draft motion, as presented in Appendix 1 of the memorandum.

Members spoke in support of the draft motion and recommended the following:

RECOMMENDATION

- 1. That the memorandum dated January 8, 2016 from Jessika Corkum-Gorrill, Acting Environmental Specialist with respect to an update and draft motion pertaining to the Blue Dot Movement, be received;
- 2. That Council adopt the motion as written in Appendix 1 of the aforementioned memorandum.

<u>Carried</u> (C. Cooper) Recommendation EAC-0004-2016

#### 4

#### 7. I<u>NFORMATION ITEMS</u>

#### 7.1. City of Mississauga Environment Focus Survey 2015

Jessika Corkum-Gorrill, Acting Environmental Specialist spoke to her memorandum dated January 6, 2016 regarding the City of Mississauga Environment Focus Survey 2015. Ms. Corkum-Gorrill responded to questions from Members with respect to the length of time the survey was posted online, the methods used to inform the public about the survey, and the methodology undertaken in creating the survey questions.

Discussion amongst Members provided information on best practices for messaging online, the ambassador team's ability to promote information and events, the possibility of promotion in the PEYA newsletter, and the utilization of UTM students through course projects, internships, and in-class assignments.

Dave Beaton, Credit Valley Conservation requested further details and survey results.

#### RECOMMENDATION

That the memorandum dated January 5, 2016 from Jessika Corkum-Gorrill, Acting Environmental Specialist with respect to the City of Mississauga Environment Focus Survey 2015, be received.

<u>Received</u> (M. Goyal) Recommendation EAC-0005-2016

#### 7.2. Resolution 0264-2015 - Boulevard Gardens

Councillors Mahoney and Tovey spoke briefly regarding the Council Resolution pertaining to boulevard gardens and expressed support and agreement with Resolution 0264-2015, noting that Council's vote was unanimous in their approval.

#### RECOMMENDATION

That Council Resolution 0264-2015 pertaining to boulevard gardens, be received.

<u>Received</u> (Councillor Tovey) Recommendation EAC-0006-2016

#### 7.3. <u>Cities Initiative Partners With Compact of Mayors</u>

No discussion arose on this matter.

#### **RECOMMENDATION**

That the letter dated November 13, 2015 to the Mayors of the Great Lakes and St. Lawrence Cities Initiative, be received.

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<u>Received</u> (C. Cooper) Recommendation EAC-0007-2016

#### 7.4. <u>Green Drinks Mississauga Invitation</u>

Email dated January 18, 2016 from Diana Gaspar with respect to the February Green Drinks Mississauga coffee evening.

Charles Cooper, Citizen Member noted that he had been in contact with the organizer and planned to attend the event.

Brad Bass, Citizen Member spoke to the Toronto Green Drinks event, noting its popularity and that it provides a great opportunity for networking.

#### RECOMMENDATION

That the email dated January 18, 2016 from Diana Gaspar with respect to the February Green Drinks Mississauga coffee evening, be received.

<u>Received</u> (C. Cooper) Recommendation EAC-0008-2016

#### 7.5. <u>City of Mississauga Advisory Committees</u>

Document from the Office of the City Clerk with respect to the role and ground rules for Advisory Committees and their Members.

Karen Morden, Legislative Coordinator spoke briefly to the document with regard to the role of Committees of Council and the ground rules pertaining to Committee Members. Ms. Morden invited Members with questions to contact her for assistance at any time.

#### RECOMMENDATION

That the document from the Office of the City Clerk with respect to the role and ground rules for Advisory Committees and their Members, be received.

<u>Received</u> (L. Mallett) Recommendation EAC-0009-2016

#### 7.6. EAC Environmental Actions Summary Chart

Brenda Osborne, Director, Environment spoke to the Environmental Actions Summary noting that the recorded actions of the Members would also be included in a report to Council. Ms. Osborne further commented on two upcoming events – the 20 Minute Makeover event on April 22, 2016 (Earth Day) and Waste Audits that would be occurring prior to the Ontario Summer Games – and invited EAC Members to participate.

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Councillor Mahoney noted that a list of upcoming opportunities could be sent to EAC Members and that the chart should reflect smaller, daily actions as well.

Dave Beaton, Credit Valley Conservation spoke to the working group event ambassadors and they are working together to achieve the actions.

Brad Bass, Citizen Member noted that there would be a planting event, likely in May.

#### RECOMMENDATION

- 1. That the EAC Environmental Actions Summary Chart, as amended at the February 2, 2016 meeting of the Environmental Action Committee, be received;
- 2. That Members be requested to forward environmental actions and events to the Legislative Coordinator for inclusion on the EAC Environmental Actions Summary Chart.

<u>Received, as amended</u> (C. Cooper) Recommendation EAC-0010-2016

#### 8. <u>OTHER BUSINESS</u>

8.1 Councillor Tovey suggested that staff review City by-laws and report back on the by-laws that have anything to do with the environment.

Brad Bass, Citizen Member suggested that the Committee could select one bylaw to focus on, such as the nuisance plant by-law to which Jessika Corkum-Gorrill, Acting Environmental Specialist noted that the nuisance plant/natural space by-law is included in the Living Green Master Plan.

- 8.2 Dave Beaton, Credit Valley Conservation spoke regarding writing communications articles for Councillors' newsletters to which Councillor Tovey noted that the Region also supplies the Councillors with articles. Councillor Mahoney suggested that Brenda Osborne, Director, Environment send an email to the Councillors offering to provide environmental reports for newsletters. Councillor Mahoney further commented that there are paper versions of the newsletter but that the e-newsletter could be much more detailed and has a larger readership.
- 8.3 Chelsea Dalton, Citizen Member spoke regarding a Waste Bucket Challenge that she had entered and challenged her fellow- EAC Members to a one week challenge. Ms. Dalton advised that she would forward the youtube link.

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8.4 Brad Bass, Citizen Member requested that the meetings of the Environmental Action Committee start earlier to allow Members who have work responsibilities to return to their places of business earlier in the day, to which a start time of 9:15 AM was moved.

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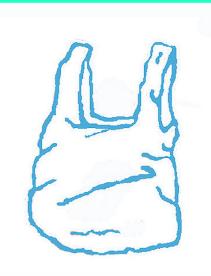
#### <u>RECOMMENDATION</u> That all future meetings of the Environmental Action Committee begin at 9:15 AM.

<u>Approved</u> (L. Mallett) Recommendation EAC-0011-2016

9. DATE OF NEXT MEETING(S)

Tuesday, March 1, 2016 - 9:15 AM, Committee Room A

10. <u>ADJOURNMENT</u> – 11:36 AM



# Plastic Bags



### What's the big problem?



By: Team 16608 (Nebula) Monica, Leo and Hanwei



## Team 16608 (Nebula)

Team Nebula came first in robot performance at the regional competitions. We advanced to provincials where we placed 7<sup>th</sup> out of 40 teams of West Ontario.

# What is FLL?

FLL is an international competition that is organized by First for kids aged 9 to 14 in North America and 9 to 16 elsewhere. In September or August a new worldwide challenge is given to the teams to tackle. For example in September of 2015, the challenge was to tackle problems about trash.

### FLL has 3 competition categories: robot, real life problems, and core values



## Problem

Canadians are using approximately 3 billion plastic bags each year.

Plastic bags could take up to 1000 years or more to completely disintegrate. During those years, they break up into small pieces that many animals consider as



This is a sample of the ocean water of the North Pacific Gyre

food.

## Facts

- The average Canadian family produces 800 kilograms of waste every year
- Plastic bags don't biodegrade, they photo degrade. That means they break into smaller pieces which fish and other animals can mistaken for food
- A recent study has shown that 94% of marine animals have at least one piece of plastic in their digestive system. Over 100,000 animals have been killed by plastic bags

## Getting to know the bags

- Only 1-3 percent of plastic bags in the world are recycled properly
- In the North Pacific Ocean, there are six times as much plastic as there is plankton
- About 500 billion plastic bags are produced and discarded every year
- Plastic bags were introduced to the market in 1977



# Solution

A reasonable solution is to give rewards to customers who bring in their own reusable bag(s)when they go shopping. For example; each time the customers bring their reusable bag(s) they would earn points and when they reach a certain amount of points. We would keep track of their score by handing out cards that you could add points onto. They receive a discount on their next purchase.

## Stop the bags!

If customers do not bring their own reusable bag(s) then, they have an option of buying plastic bag(s) for example; \$0.25 or reusable bag(s) \$8.00. This solution will encourage customers to stop using plastic bags and change to reusable bags.

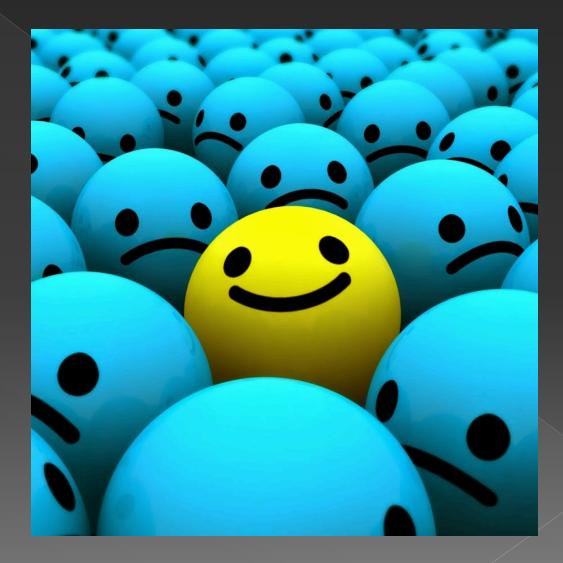
## Reuse and return bags

If customers keep on using plastic bag we can charge them we have 2 options we can charge them 25 cents no refund, or 50 cents and when they return the plastic bag they can get 25 cents back. This way, it would discourage them from using them and encourage to return and reuse it. Customers return them so plastic bags don't have to be manufactured as much and so that we can reuse the plastic bags that were already made.

## How the EAC can help us

The EAC can help us by giving us tips on how we can stop the plastic bags or at least make a lower demand for them.

# THANK YOU FOR LISTENING!



#### ENVIRONMENTAL PROJECT ADOPTION OF PARKS AND GREEN AREAS Mississauga, welcoming and participatory city

#### **Project Objective**

Promote citizen participation in the maintenance of our parks and green areas in order to build a city in harmony with nature.

#### **Project Elements**

Our city has eager citizens to contribute to improve the quality of life. A sustainable natural environment is a pleasant environment we all want for the recreation and enjoyment of our children.

#### **Project Features**

*Mississauga, pleasant and participatory city,* is an initiative that is based on the establishment of strategic alliances between Companies and the City Hall to achieve the maintenance of parks and green areas through the Adoption of Parks and Green Areas Project.

Adoption of Parks and Green Areas Project by Companies interested in cooperate to the City Hall in this noble endeavor, subject to the choice and definition of parks and green areas. The cost of maintenance for a specified period in the contract will be the exclusive responsibility of the Foster Company. Zero cost for the City Hall.

#### Maintenance Service Content (\*)

• General maintenance of the specific parks and green areas (selected).

• Personnel wearing uniforms with supporting company logo (mobile advertising).

• Static advertising of the supporting company in the assigned parks and green area (selected).

(\*) All maintenance shall be subject to the existing rules and action plan of the City Hall.

Our city deserves the best! It depends on us! ENVIRONMENTAL PROJECT ADOPTION OF PARKS AND GREEN AREAS Mississauga, welcoming and participatory city COMPLEMENTATION - METHOD OF EXECUTION

Responsibilities and implementation of the project

#### City Hall:

- 1. Defining the name of the Project.
- 2. Selecting the parks and green areas.
- 3. Promoting the Project.
- 4. Granting of advertisement space.
- 5. Verifying the quality of the services.
- 6. Providing annual distinction to participating companies.

#### Participating Company:

- 1. Committing to the strategic alliance with the City Hall.
- 2. Committing to payments for the landscaping services.
- 3. Receiving awards from the City Hall for supporting the project.

#### Project Manager Company:

- 1. Providing the maintenance services to the selected green areas.
- 2. Complying with existing standards.
- **3**. Determination of the cost for the service.
- 4. Fixing costs for participating companies.
- 5. Marketing the Project (advertising).
- 6. Presenting the overall of the service to be provided.
- 7. Reporting periodically the accomplished service.

Our city deserves the best! It depends on us!

## EAC Environmental Action Committee March 1, 2016

Deputation by Waste Management EAC Action and Engagement

Ontario Summer Games Facilities **PLUS** 20 Minute Makeover





Ontario Summer Games

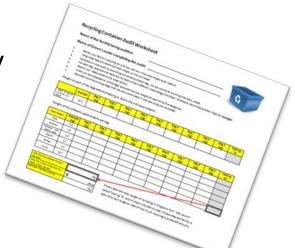
Jeux d'été de l'Ontario



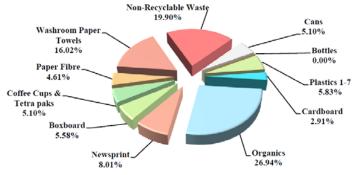
## Waste audits - strategic locations

A good waste audit will provide:

- Type of waste being generated in a facility
- Quantity of the different wastes being generated in a facility
- Origin of different wastes being produced
- Management policies and procedures that affect waste generation.
- Wasteful practices and potential opportunities to increase diversion and lower costs.
- Learning about waste generation and its impacts.



According to the graph approximately 53.16% of the sample waste weight was found to be divertible recycling programs currently in place under the Region of Peel's mixed recycling program.





## What does that mean to us?

- Provides a starting point for many future measurements
- Provide a more efficient and effective program organization – allowing focus on biggest impacts
- Reduce unnecessary or duplicated waste management costs
- Encourage better use of limited natural resources reducing what must go to landfill





### **Invitation** Goal: Set up for Ontario Summer Games

- Equipment inventory ensure all necessary equipment is available in good working order and clean
- Signage inventory ensure all necessary waste signage is present, in the correct locations in/around the waste equipment



• Light, safe waste audit of the affected facilities



### **Expectations**

- Using pre-designed checklist/template, walk the facility to review container placement and condition, waste program signage, litter, etc
- Participate with Waste Team on a scheduled "light" waste audit of the facility

(all necessary safety equipment will be provided)









## **20 Minute Makeover**

- Mississauga needs a 20-Minute Makeover
- Join the thousands across Ontario who will volunteer for 20 minutes to pick up litter around their workplace, school or community.
- To confirm your participation in the 20-Minute Mississauga Makeover, contact Chris Pyke at ext 3039 or christopher.pyke@mississauga.ca





Date:	2016/02/09
То:	Chair and Members of Environmental Action Committee
From:	Diana Suzuki, Outreach Coordinator, Environment Division, Community Services Department
Meeting Date:	2016/03/01
Subject:	Update on Community Green Leaders: Celebrating Environmental Initiatives in Mississauga

#### Background

On May 7, 2013, the Environmental Advisory Committee (EAC) received a report that outlined options for community recognition. The committee agreed to move forward with the option to host an annual celebration and networking event in the spring of 2014. The inaugural Community Environmental Appreciation evening was held on June 4, 2014 and the second was held on June 11, 2015. Both events were organized and hosted in partnership between the Environment and the Parks and Forestry Divisions to recognize environmental and forestry initiatives. Approximately 100 people attended each event including representatives from community groups, schools, businesses, and City staff.

#### 2016 Event Details

This year's event, Community Green Leaders: Celebrating Environmental Initiatives in Mississauga is scheduled to be held at BraeBen Golf Course from 7:00 p.m. to 9:00 p.m. on Monday, April 18, 2016.

This is an invitation-only event that will recognize and thank Green Leaders across the city for their environmental and forestry initiatives. A call-out for projects and initiatives to be recognized has been sent through a survey to non-profit organizations, school groups, businesses, and individuals. Groups/individuals that submit projects/efforts demonstrating community involvement and environmental impact that supports the priorities and actions in the Strategic Plan and the Living Green Master Plan will receive an invitation to the recognition evening.

The evening will feature opening remarks by the Mayor and/or Members of Council, the chair of the EAC, project/initiative presentations, and networking opportunities. Presentations will be organized as panel discussions to give guests the opportunity to hear about a number of projects and initiatives during the evening. Additionally, projects and initiatives will be highlighted through exhibits and a slide show. Light refreshments will be available.

All members of the EAC are invited to attend. In addition, the Environment Division is looking for two members to assist as facilitators during the panel discussions. All EAC members are invited

to assist as greeters during the event. Please notify Diana Suzuki-Bracewell of your interest in attending and/or assisting with the event by March 18th.

The draft agenda is as follows: 7:00 p.m. – Registration 7:20 p.m. – Greetings from the Mayor and/or Members of Council, Chair of Environmental Action Committee and appropriate staff 7:40 p.m. – Project/Initiative presentations 8:20 p.m. – Networking, exhibits, slide show and refreshments 8:45 p.m. – Prize draws 9:00 p.m. – End

Diana Suzuki Outreach Coordinator Environment Division Community Services Department

### EAC ENVIRONMENTAL ACTIONS SUMMARY

ACTION	Member(s)	DATE/Hours
Actions, events, workshops, conferences, training etc., that member(s) have done/ participated in related to being an EAC Member	Name of Member/Members/ Working Group	Date/Days/Hours (e.g. April 25, 2015, volunteer ½ day)
Attended Provincial EAC Symposium	Chelsea Dalton	May 2, 2015 - 1 day
Attended 100% Possible March in Ottawa	Chelsea Dalton	November 29, 2015 – 1 day
Attended Mississauga Moves 2015 Conference	Chelsea Dalton	November 9, 2015 – 1 day
Attended Community Environmental Appreciation Evening	Chelsea Dalton	2015 – ½ day
Attended Clean Air Council Summit	Chelsea Dalton	2015 – 1 day
Represented EAC at Clean Air Partnership 2015-2018 Inter- governmental Declaration on Clean Air and Climate Change in Toronto	Alex Dumesle	2015 – 1 day
Represented EAC at FCM Sustainable Conference in Ottawa	Alex Dumesle	February 2016
PPG partnered with CVC and Stormwater Management Team at City of Mississauga to provide a workshop to 50 industrial and commercial end users on the upcoming stormwater charge (2 <sup>nd</sup> partnership presentation)	Alex Dumesle	2015
Attended FCM – Sustainability	Councillor Jim Tovey	February 2016

### EAC ENVIRONMENTAL ACTIONS SUMMARY

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Conference in Ottawa		
Attended Seedy Saturday	Councillor Jim Tovey	February 20, 2016
Mississauga Event		
Represented EAC at Credit River	Dave Beaton	February 2016
Alliance meeting at Riverwood		
Working to engage Credit River	Dave Beaton	Ongoing
Alliance members in policy/		
by-law review		
Exploring options re.	Dave Beaton	Ongoing
pollinators/"Bee City"		
Presenting at Sharing Experiences	Dave Beaton	March 5, 2016
Workshop		
Green Ambassadors program	Brad Bass	Summer 2016
volunteer		
Management of small native	Brad Bass	April to October 2015
meadow sites on institutional		
property following conversion		
from turf grass or invasive plants		
to native plants and a Creature		
Tower to provide habitat for		
pollinating insects		